

## **COE-BROWN NORTHWOOD ACADEMY PROGRAM OF STUDIES**

The Coe-Brown Northwood Academy Program of Studies includes information that will assist you in selecting courses, programs and co-curricular activities throughout your high school career. You will find this publication to be highly valuable as it contains specific information pertaining to recommended sequence of courses, graduation requirements as well as basic course descriptions.

The Board of Trustees has made a strong commitment to continually improve our curriculum and co-curricular programs to best meet the needs of the individual student. The Academy is accredited by the New England Association of Schools and Colleges, and is certified as an approved public academy by the State of New Hampshire Board of Education.

In order to ensure a positive learning environment, the safety and health of our school community is emphasized. There is no place to compromise these issues in our educational atmosphere. The Academy supports that premise with its policies, procedures, and practices. In addition, we offer families the option to purchase student health insurance with twenty-four-hour coverage if they so desire.

We have a traditional philosophy of the student learning environment. In support of this philosophy, we allow and encourage a variety of teaching and learning styles within our learning environment. There are many opportunities for students to explore a variety of academic and vocational studies and to prepare themselves for their futures. In support of this, we expect timely completion of assigned work, consistent attendance and demonstration of character and responsibility in accordance with the Academy's mission statement.

We are very proud of our faculty, staff and students at Coe-Brown Northwood Academy and are fortunate to have a faculty and staff highly dedicated to the academic and social growth of the individual student. In order to be successful, it is necessary that there is a close and positive working relationship between Academy staff and home. We encourage you to develop positive communication with our staff in regards to your student's academic and co-curricular activities.

Coe-Brown Northwood Academy is a reflection of the strength, diversity and values of all the members within our school community and we look forward to our students achieving their academic endeavors this academic year.

Sincerely,

*Administration &  
Board of Trustees*

## **ACCREDITATION STATEMENT**

Coe-Brown Northwood Academy is accredited by the New England Association of Schools and Colleges, Inc., a non-governmental, nationally recognized organization whose affiliated institutions include elementary schools through collegiate institutions offering post-graduate instruction.

Accreditation of an institution by the New England Association indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer group review process. An accredited school or college is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of the quality of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the status of an institution's accreditation by the New England Association should be directed to the administrative staff of the school or college. Individuals may also contact the Association:

**NEW ENGLAND ASSOCIATION OF SCHOOLS AND COLLEGES  
THE SANBORN HOUSE, 15 HIGH STREET  
WINCHESTER, MASSACHUSETTS 01890  
(617) 729-6762**

**COE-BROWN NORTHWOOD ACADEMY  
PROGRAM OF STUDIES  
2018-2019 ACADEMIC YEAR**

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**COURSE OFFERINGS**

Courses are listed at the earliest level they may be selected. Most courses may be taken at a later point in a student’s high school career as well.

**GRADE 9:**

<b>CODE</b>	<b>TITLE</b>	<b>CREDIT</b>	<b>LEVEL</b>	<b>PAGE</b>
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**SOCIAL STUDIES CURRICULUM:**

151	US History I-General	0.5	1	22
152	US History I-CP	0.5	2	22

**ENGLISH CURRICULUM:**

002	Think Tank-General	0.25	1	28
017	The Great Outdoors: Extremes	0.25	1	28
107	Drama I-General	0.5	1	28
111	English 9 Reading General	1.0	1	29
112	English 9-General	1.0	1	29
113	English 9-CP	1.0	2	29
114	English 9-Honors	1.0	3	29
161	Orientation	0.25	1	29

**WORLD LANGUAGES CURRICULUM:**

120	Mandarin Chinese-General	0.25	1	37
121	French I-CP	1.0	2	37
122	Spanish I-CP	1.0	2	37
123	Latin I-CP	1.0	2	37
124	Russian I-CP	1.0	2	38

**BUSINESS AND COMPUTERS CURRICULUM:**

009	Career & Technical Exploration-General	0.25	1	41
010	Business in a Nutshell-General	0.25	1	42

**GRADE 9:**

CODE	TITLE	CREDIT	LEVEL	PAGE
015	Keyboarding-General	0.25	1	42
181	Computer Literacy-General	0.5	1	42
182	Computer Literacy-CP	0.5	2	42
183	Keyboarding-General	0.5	1	42
185	Introduction to Business-General	0.5	1	43

**AGRICULTURAL EDUCATION CURRICULUM:**

190	Agriculture Technology I/FFA	0.5	1	47
191	Agriculture Technology II/FFA	0.5	1	47

**HEALTH AND PHYSICAL EDUCATION CURRICULUM:**

006	Competitive Sports-General	0.25	1	53
007	Lifetime Sports-General	0.25	1	53
008	Introduction to Weight Training-General	0.25	1	53
014	Cooperative Games/New Games-General	0.25	1	53
118A	Physical Education-General	0.25	1	54
118B	Physical Education-General	0.25	1	54

**MATHEMATICS CURRICULUM:**

130	General Math-General	1.0	1	56
131	Algebra I-General	1.0	1	56
132	Algebra I-CP	1.0	2	56
133	Math I-Honors	1.0	3	57
134	Pre-Algebra-General	1.0	1	56

**SCIENCE CURRICULUM:**

141	Intro. to Science-General	1.0	1	60
142	Intro. to Science-CP	1.0	2	60
143	Intro. to Science-Honors	1.0	3	60
144	Science Core Skills I – Skills Enrichment	1.0	1	61

**SPECIAL EDUCATION CURRICULUM:**

110	Reading Workshop I-Skills Enrichment	1.0	1	70
171	English Skills I	1.0	1	70
172	Math Skills I	1.0	1	70

**FINE ARTS CURRICULUM:**

003	Art Exploration-General	0.25	1	73
004	Introduction to Illustration-General	0.25	1	73
005	Photography Basics-General	0.25	1	73
016	Voice Lab -General	0.25	1	73
020	Intro to Guitar	0.5	1	73
022	Chorus-Honors	0.5	2	74
023	Band-Honors	0.5	2	74
100	Basic General-Three Dimensional Design	0.5	1	74
101	Basic Art I-CP	0.5	2	75
102	Basic Art II-CP	0.5	2	75
103	Basic General Art I-General	0.5	1	75
104	Band-CP	0.5	1	75
105	Chorus-CP	0.5	1	75
106	Piano I-General	0.5	1	76

108	Basic General Art II- General	0.5	1	76
192	Woodcraft-General	0.5	1	76

**GRADE 10:**

CODE	TITLE	CREDIT	LEVEL	PAGE
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**SOCIAL STUDIES CURRICULUM:**

250	World History-CP	1.0	2	22
251	World History-Honors	1.0	3	22
253	Global Studies-General	0.5	1	23
254	Global Studies-CP	0.5	2	23

**ENGLISH CURRICULUM:**

200	Playwriting and Directing-General	0.5	1	30
201	Improvisation for Theatre-General	0.5	1	30
202	Survey of Film-General	0.5	1	30
203	Acting-General	0.5	1	30
204	Tech Theatre I-General	0.5	1	31
205	Tech Theatre II-General	0.5	1	31
206	Journalism I-General	0.5	1	31
207	Journalism II-General	0.5	1	31
218	Reading 10 General	0.5	1	31
220	English 10-General	1.0	1	32
221	English 10-CP	1.0	2	32
222	English 10-Honors	1.0	3	32
223	Shakespeare's Comic Wit-CP	0.5	2	32
229	Intro. Creative Writing/Eng-226-CP	0.5	2	32

**WORLD LANGUAGES CURRICULUM:**

219	Russian II-CP	1.0	2	38
225	Spanish II-CP	1.0	2	38
226	Spanish II-Honors	1.0	3	38
227	French II-CP	1.0	2	38
233	French II – Honors	1.0	3	39
228	Latin II-CP	1.0	2	39

**BUSINESS AND COMPUTERS CURRICULUM:**

266	Marketing/E Commerce-General	0.5	1	43
267	Law and You-CP	0.5	2	43
268	Criminal Justice-CP	0.5	2	43
282	Intro. to Animation with Adobe-CP	0.5	2	43
283	Intro. Graphic Design-CP	0.5	2	44
284	Intro. Computer Programming-CP	0.5	2	44
285	Web Page Design-CP	0.5	2	44

**FAMILY AND CONSUMER STUDIES CURRICULUM:**

260	Child Development-General	0.5	1	45
263	Textiles & Fashion Technologies-General	0.5	1	45
264	Foods and Nutrition I-General	0.5	1	45
265	Foods and Nutrition II-General	0.5	1	46

**GRADE 10:**

CODE	TITLE	CREDIT	LEVEL	PAGE
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**AGRICULTURAL EDUCATION CURRICULUM:**

280	Floral Design I-General	0.5	1	47
281	Greenhouse Management-General	0.5	1	47
287	Landscaping-General	1.0	1	48

**VOCATIONAL/TECHNICAL EDUCATION CURRICULUM:**

288	Woodworking IA-General	0.5	1	50
289	Woodworking IB-General	0.5	1	50
290	Basic Automotive-General	0.5	1	50
291	AutoCAD & Inventor 3-D Design-CP	1.0	2	51
293	Construction-General	0.5	1	51
294	Power & Energy-General	0.5	1	51
295	Creating Mobile Apps with App Inventor-CP	0.5	1	51

**HEALTH AND PHYSICAL EDUCATION CURRICULUM:**

215	Health-General	0.5	1	54
237	Concepts of Physical Fitness & Performance-CP	0.5	2	54
244	Team Sports Concepts-General	0.5	1	54
245	Individual Sports Concepts-General	0.5	1	55

**MATHEMATICS CURRICULUM:**

230	Geometry-General	1.0	1	57
231	Geometry-CP	1.0	2	57
232	Math II-Honors	1.0	3	57

**SCIENCE CURRICULUM:**

241	Biology-General	1.0	1	61
242	Biology-CP	1.0	2	61
243	Biology-Honors	1.0	3	61
246	Science Core Skills II- Skills Enrichment	1.0	1	61
247	Field Ecology- General	0.5	1	61
248	Field Ecology- CP	0.5	2	62

**SPECIAL EDUCATION CURRICULUM:**

270	Reading Workshop II-Skills Enrichment	1.0	1	71
271	English II-Skills Enrichment	1.0	1	71
272	Math II-Skills Enrichment	1.0	1	71

**FINE ARTS CURRICULUM:**

208	Digital Photography- CP	0.5	2	76
209	Advanced Photography-CP	0.5	2	77
210	Drawing & Painting I-CP	0.5	2	77
211	Drawing & Painting II-CP	0.5	2	77
212	Ceramics/Sculpture-CP	0.5	2	78
213	Music Theory-CP	0.5	2	78

**SOCIAL STUDIES CURRICULUM:**

336	New England History CP	0.5	2	23
350	American Studies History-CP	1.0	2	23
351	US History II-General	0.5	1	24

**GRADE 11:**

CODE	TITLE	CREDIT	LEVEL	PAGE
352	US History II -CP	0.5	2	24
353	US History II -Honors	0.5	3	24
355	US History-AP	1.0	4	24
356	Current Events Modern World-General	0.5	1	25
357	Sociology-General	0.5	1	25
358	Psychology-General	0.5	1	25
359	Sports in Society-CP	0.5	2	25
360	US History III-General	0.5	1	26
361	US History III -CP	0.5	2	26
362	US History III -Honors	0.5	3	26
376	World Geography-CP	0.5	2	27
377	History of Russia -CP	0.5	2	27
382	Understanding the Middle East -CP	0.5	2	27

**ENGLISH CURRICULUM:**

229	Intro to Creative Writing / Eng 226 (CP)	0.5	2	32
302	Film Production-CP	0.5	2	33
303	Poetry and Performance-CP	0.5	2	33
319	Public Speaking/Com 212-CP	0.5	2	33
320	English AP Language and Composition	1.0	4	33
321	English 11-General	1.0	1	34
322	English 11-CP	1.0	2	34
323	English 11-Honors	1.0	3	34
324	American Studies English-CP	1.0	2	34

**WORLD LANGUAGES CURRICULUM:**

325	French III-CP	1.0	2	39
326	Spanish III-CP	1.0	2	39
327	Spanish III-Honors	1.0	3	39
328	French III-Honors	1.0	3	40
329	Latin III-CP	1.0	2	40

**AGRICULTURAL EDUCATION CURRICULUM:**

368	Animal Science I Small-General	0.5	1	48
369	Animal Science II Large-General	0.5	1	48
370	Animal Science III Vet-General	0.5	1	48
391	Natural Resources I-General	1.0	1	49

**BUSINESS AND COMPUTERS CURRICULUM:**

380	Accounting & Finance Reporting I-CP	0.5	2	44
384	Entrepreneurship-General	0.5	1	44

**FAMILY AND CONSUMER STUDIES CURRICULUM:**

381	Culinary Arts I-General	0.5	1	46
383	Family Relations-General	0.5	1	46
385	Early Childhood Education-General	0.5	1	46

**VOCATIONAL/TECHNICAL EDUCATION CURRICULUM:**

393	Architecture-CP	1.0	2	52
394	Welding I-General	0.5	1	52
395	Welding II-General	0.5	1	52

**HEALTH AND PHYSICAL EDUCATION CURRICULUM:**

306	Sports Medicine I-CP	0.5	2	55
307	Sports Medicine II-CP	0.5	2	55
309	Intro to Coaching- Gen	0.5	1	55

**MATHEMATICS CURRICULUM:**

330	Algebra II-General	1.0	1	58
331	Algebra II-CP	1.0	2	58
332	Math III-Honors	1.0	3	58

**GRADE 11:**

CODE	TITLE	CREDIT	LEVEL	PAGE
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**SCIENCE CURRICULUM:**

312	Earth & Space Science – CP	1.0	2	62
315	Integrated Science- General	1.0	1	62
316	Exercise Science- CP	0.5	2	62
334	Introduction to Pharmacology-CP	0.5	2	62
335	Introduction to Forensic Science-CP	0.5	2	63
337	Introduction to Engineering-CP	1.0	2	63
338	Meteorology-CP	1.0	2	65
339	Biology AP	1.0	4	63
340	Zoology-General	1.0	1	64
341	Zoology-CP	1.0	2	64
342	Environmental Science-General	1.0	1	64
343	Sci 219/Env219: Environmental Issues-CP	1.0	2	64
344	Chemistry-CP	1.0	2	65
345	Chemistry-Honors	1.0	3	65
346	Meteorology-General	1.0	1	65
347	Anatomy & Physiology-General	1.0	1	65
349	Earth and Space Science-General	1.0	1	66
354	Anatomy & Physiology/Bio210-CP	1.0	2	66
363	Physics-CP	1.0	2	66
364	Physics-Honors	1.0	3	66
365	Physics-AP	1.0	4	67
366	Technical Prep Chemistry-General	1.0	1	67
367	Technical Prep Physics-General	1.0	1	67
379	Science Core Skills III- Skills Enrichment	1.0	1	67
386	Chemistry- AP	1.0	4	68

**SCHOOL COUNSELOR AND STUDENT SERVICES CURRICULUM:**

308	Outdoor Leadership	0.5	1	64
398	Endeavors in Excellence-CP	0.5	2	64
399	Endeavors in Excellence-Honors	0.5	3	64

**SPECIAL EDUCATION CURRICULUM:**

300	Community Based Instruction	1.0	1	67
305	Writing Workshop	0.5	1	67
371	Reading Workshop III	1.0	1	67
372	English Skills III	1.0	1	67
373	Math Skills III	1.0	1	67
390	Vocational Preparation-General	0.5	1	68



**FINE ARTS CURRICULUM:**

304	Humanities-CP	0.5	2	78
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**GRADE 12:**

CODE	TITLE	CREDIT	LEVEL	PAGE
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**SCHOOL COUNSELOR AND STUDENT SERVICES CURRICULUM:**

400	Career Seminar- CP	1.0	2	68
401	Career Internship- CP	2.0	2	68

**SOCIAL STUDIES CURRICULUM:**

441	Economics-General	0.5	1	27
442	Economics-CP	0.5	2	27
443	Economics-Honors	0.5	3	28

**ENGLISH CURRICULUM:**

403	Foundations of Teaching-CP	0.5	2	35
420	Heroes and Villains in Literature-General	0.5	1	35
421	Adventure in the Great Outdoors-General	0.5	1	35
422	Literature of the Dystopian Future-General	0.5	1	35
423	Science Fiction and Fantasy-General	0.5	1	36
425	English 12-CP	1.0	2	36
426	English 12-Honors	1.0	3	36
427	English AP Literature & Composition	1.0	4	36

**WORLD LANGUAGES CURRICULUM:**

410	Spanish IV-CP	1.0	2	40
412	AP Spanish Language	1.0	4	40
413	French IV-Honors	1.0	3	40
414	Latin IV-Honors	1.0	3	41
415	AP Spanish Literature & Culture	1.0	4	41
416	French V-Honors	1.0	3	41

**AGRICULTURAL EDUCATION CURRICULUM:**

444	Natural Resources II-General	1.0	1	49
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**VOCATIONAL/TECHNICAL EDUCATION CURRICULUM:**

445	Capstone Shop-General	1.0	1	52
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**MATHEMATICS CURRICULUM:**

430	Personal Financial Math-General	1.0	1	59
432	Calculus-AP	1.0	4	59
433	Senior Math-General	1.0	1	59
435	Calculus I: Single-Variable			
	Calculus/Mat225-Honors	1.0	3	59
436	Pre-Calculus-Honors	1.0	3	59
437	Pre-Calculus-CP	1.0	2	60
440	Probability & Statistics-CP	1.0	2	5660

**SPECIAL EDUCATION CURRICULUM:**

431	Life Skills Math	1.0	1	72
470	English Skills IV	1.0	1	72

**FINE ARTS CURRICULUM:**

404	Advanced Placement in Studio Art	1.0	4	78
405	Independent Study in Art-Honors	0.5	3	79

**CO-CURRICULAR ACTIVITIES:** 74

Ancient Greek Club	75
Athena Club	75
Bible Club	75
Boys A Cappella Group/Girls A Cappella Group/Show Choir	75
Chemistry Society	75
Creative Writing Club	75
Debate Club	75
Drama Club	75
Film Club	75
International Thespian Society	76
Jazz Band	76
Literary/Art Magazine	76
Math Team	76
National Art Honor Society (NAHS)	76
National French Honor Society	76
National Honor Society	76
National Latin Honor Society	76
Peer Helpers	76
Pep Band	77
Project Pomegranate	77
Project SEARCH	77
Quiz Bowl	77
Science & Robotics Club	77
Select Chorus	77
Spanish Honor Society	77
Student Council	78
Student-Athlete Leadership Team (S.A.L.T.)	78
The Honourable Society for Philocubism	78
Tri-M Music Honor Society	78
Ultimate Club	78
Yearbook	78

**INTER-CURRICULAR ACTIVITIES:**

The National FFA Organization	79
Family, Career and Community Leaders of America	79
Future Business Leaders of America	79

NON-DISCRIMINATION ON THE BASIS OF HANDICAP	80
RIGHTS AND PRIVACY OF STUDENT RECORDS	80
SEXUAL HARRASSMENT/VIOLENCE PREVENTION POLICY	81
NONDISCRIMINATION POLICY	83
GRIEVANCE POLICY	83
BULLYING AND INTIMIDATION POLICY	84

## ACADEMY PROFILE

Coe-Brown Northwood Academy, founded 1867, is a small co-educational public academy secondary school accepting students in grades 9-12. The Academy campus is located on the shores of Harvey Lake. It is a thirty-minute drive to both Concord, NH, the State Capital, and Durham, NH, the location of the University of New Hampshire.

The campus consists of Pinkham Hall and the main Academy classroom building, Soper Hall, the Science Building, Smith Hall, Wiggin Hall Fine Arts Center, playing fields and woodlands.

Coe-Brown Northwood Academy is an approved high school and is accredited by the New England Association of Schools and Colleges. Students from the surrounding towns are accepted on a tuition basis.

The Academy is chartered by the State of New Hampshire and is governed by a Board of Trustees, which meets on a regular basis to conduct the educational and business affairs of the school.

At present, there are 715 students, grades 9-12, from the towns of Northwood, Strafford, Nottingham, Barrington, Deerfield and other surrounding towns attending CBNA.

Our faculty consists of eighty-seven employees including: teachers, reading specialist, librarian, school counselors, skills teachers, school nurse, paraprofessionals, Technology Director, two Assistant Headmasters and Headmaster. Efforts have been made to keep a staff, which not only reflects expertise, but also a varied educational background that will provide for a variety of learning experiences for the students.

The entire staff is involved in the process of staff development and professional growth to insure that they keep abreast of the most current information in their subject area or teaching field.

Central to Coe-Brown's educational program is the spirit of commitment to the student. This spirit reflects itself in the philosophy that recognizes the need to have each student develop to their fullest potential through a variety of course offerings. There is a commitment to building the student's self-confidence, encouraging positive attitudes towards learning, developing basic learning skills and to preparing the student to either continue their education or enter into the world of work.

The Academy offers a broad curriculum consisting of College Preparatory Courses, Basic Education Courses, and Vocational Courses. This curriculum includes: English, Mathematics, Science, French, Latin, Russian, Spanish, Social Studies, Vocational Technology, Business and Computers, Family and Consumer Studies, Music, Art and Physical Education. Support services are also available to the students at CBNA.

The Academy has a very extensive co-curricular program, which includes Drama Club, Athena Club, Peer Helpers, Bible Club, Pep Band, Quiz Bowl, Select Choir, Show Choir, Concert Band and Chorus, Jazz Band, Yearbook, Tri-M Music Honor Society, International Thespian Society, Math Team, National Art Honor Society, National French Honor Society, National Honor Society, Spanish Honor Society, National Latin Honor Society, Boys and Girls A Capella Group, Creative Writing, Amnesty International, Ancient Greek Club, Chemistry Club, Science & Robotics Club, Project Search, Student-Athlete Leadership Team (SALT), The Honourable Society for Philocubism, Ultimate Club, Literary Magazine, Debate Club, Film Club, Project Pomegranate and Student Council. Coe-Brown Academy's Athletic Program consists of Volleyball, Cross-Country, Soccer, Hockey, Basketball, Bass Fishing, Winter Track, Baseball, Softball, Spring Track, Golf and Tennis.

Coe-Brown Northwood Academy admits students of any race, color, sex, national and ethnic origin to all the rights, privileges, programs and activities generally accorded or made available to students at the school. Coe-Brown Academy does not discriminate on the basis of race, color, sex, disability, national and ethnic origin in hiring of faculty members, in administration of its educational policies, admission policies, scholarship programs, and athletic and other school-administered programs.

Coe-Brown is not a large school, and its rural setting offers the student an excellent opportunity to learn yet retain his/her individual identity. The Headmaster and faculty extend a warm invitation to all adults and parents to visit them and the students.

## MISSION STATEMENT

**Coe-Brown Northwood Academy strives to produce graduates who are academically and socially prepared to be responsible, caring and contributing members of the global society.**

To achieve this mission we seek to:

1. Promote learning outcomes that:
  - meet high academic standards
  - support excellence in the acquisition of literacy, technology, analytical, computational skills, and communication skills
  - place the needs of the individual student first, maintaining small teacher/student ratios
  - provide a strong foundation for post-secondary education, employment, and life-management skills
  - reflect and meet the needs of students in a multi-cultural society
  - instill a sense of civic responsibility.
2. Create an environment that fosters an appreciation of:
  - life-long learning
  - critical and creative thinking
  - personal responsibility
  - self-respect
  - multiple aspects of knowledge
3. Support mutual respect for peers, faculty, administration, community, and the environment through example, curriculum, community service projects, and community involvement within the school.
4. Continuously assess, improve, and develop curriculum in response to the ever-changing world.

Coe-Brown Northwood Academy is a comprehensive secondary institution offering the highest quality curriculum of studies to the residents of Northwood, Strafford, and surrounding towns. Our educational programs and opportunities are accessible to both traditional and non-traditional learners, responsive to the diverse needs of an ever-changing community, and consistent with state and federal laws supporting the education of our youth.

The Academy offers a curriculum of studies which is consistent with these premises and the laws of the State of New Hampshire. This curriculum, woven into a coordinated course of study, will enable all students to realize their potential and prepare them for their chosen endeavors upon graduation. The expertise of faculty and staff permits course offerings to develop the full potential of all students, whether they be educationally advantaged or challenged. It is then incumbent on the students to be academically diligent, consistent in attendance, and positive in attitude to successfully complete their chosen course of studies.

## **DEFINITION OF A “COE-BROWN GRADUATE”**

We expect the Coe-Brown graduate to possess the communication skills of writing, reading, listening, and speaking; to possess computational skills in mathematics and personal economics; and to possess basic computer literacy.

The Coe-Brown graduate is expected to have a basic knowledge of the fine arts, aesthetically and historically; healthy lifestyle choices and personal fitness; science and the environment; and history and civics in order to choose options as a responsible citizen.

The Coe-Brown graduate will demonstrate individual responsibility in the home and community, be courteous to and accepting of people of all backgrounds and abilities, demonstrate a desire for lifelong learning, and demonstrate self-reliance tempered with sound problem-solving and decision-making skills.

## GRADUATION REQUIREMENTS

English	4 credits	
Mathematics	3 credits	
Social Studies	3 credits	Including US History I, Global Studies or World History, US History II, US History III, and Economics
Science	3 credits	Including 1 Physical and 1 Biological
Fine Arts	½ credit	
Computer Literacy	½ credit	
Health	½ credit	
Physical Education	1 credit	
Senior Portfolio	1 credit	
Electives	6 ½ credits	Including 3 credits from Groups I through IV (see DISTRIBUTION REQUIREMENTS next page)
MINIMUM REQUIRED	23 credits	

In addition: Students must successfully complete all class competency requirements prior to graduation.

## DISTRIBUTION REQUIREMENTS

Three credits shall be selected from at least two of the following groups - I Fine Arts; II World Language; III Practical Arts (Business Education and Family and Consumer Studies); IV Vocational. These three credits must be above and beyond the initial 1/2 credit each required for Fine Arts and Computer Literacy.

NOTE: One credit is earned by receiving a passing final grade in a course, which meets daily for the whole school year. Senior Portfolio will be graded on a Pass/Fail basis. Courses which do not meet for 180 days carry proportionately less credit.

A student should have 5 credits at the end of freshman year, 11 credits at the end of sophomore year, and 17 credits at the end of junior year in order to stay on track to graduate. In addition, these credits must include enough of the mandatory graduation requirements along with proving competency and meeting attendance requirements to allow students to progress and graduate with their class



## COURSES REQUIRED AT EACH GRADE LEVEL

Freshmen:	Orientation	¼ credit
	US History I	½ credit
	English 9	1 credit
	Computer Lit	½ credit
	Mathematics	1 credit - may include General Math, Intro to Algebra, Algebra I CP, Math I Honors, Geometry CP. Math II Honors
	Phys. Ed. Electives	½ credit 2 ¼ credits
	<b>TOTAL</b>	<b>6 credits</b>
Sophomores:	English 10	1 credit
	Mathematics	1 credit -may include Algebra I, Geometry Gen & CP, Math II Honors, or higher as qualified
	Science	1 credit
	Global Studies	½ credit – or World History – 1 credit
	Health	½ credit
	Electives	2 credits (could include Fine Arts, PE Elective)
	<b>TOTAL</b>	<b>6 credits</b>
Juniors:	English 11	1 credit
	US History II	½ credit
	US History III	½ credit
	Mathematics	1 credit
	Other Requirements & Electives	2 credits
	<b>TOTAL</b>	<b>5 credits</b>
Seniors:	Economics	½ credit
	English 12	1 credit
	Senior Portfolio	1 credit
	Other Requirements & Electives	3 ½ credits
		<b>TOTAL</b>

### NOTE:

1. All 9<sup>th</sup> grade students must take Physical Education unless excused by the Headmaster. One additional semester of PE must be completed to graduate.
2. Many courses must be taken in sequential order and require that students successfully pass prerequisite classes with a credit. Earning a credit requires that students have received a passing grade, met all class competencies and satisfied attendance requirements.
3. All students must carry at least five courses. Students may not carry more than six credits without permission of the Headmaster.

4. English courses must be taken in sequence. A student who fails English 9, for example, must pass the course during the summer or repeat it the following year, before taking English 10. A student may apply for special consideration of this policy.
5. Students may choose courses offered at or below their grade level, provided they meet the prerequisite requirements.
6. Students who have special circumstances which would merit consideration for accelerating their schedule to graduate before their class may submit a request to the Board of Trustees.
7. Class schedules for all students will be prepared in the spring for the following fall semester. Changes to these schedules may be made during the first five school days of the fall semester. After the fifth school day, schedule changes must be recommended by the gaining and losing teacher and the school counselor. All schedule changes require parental approval. Schedule changes which increase a student's credit load to more than six credits or reduce the credit load to less than five credits must also be approved by the Headmaster. Teachers may recommend schedule changes to move a student to a different level of the same academic area such as from college prep English to honors English, or from Algebra I to Intro to Algebra. These changes must be approved by the appropriate Department Chairpersons. In these cases, the student's grade will not be carried over into the new course. Changes to schedules for semester II classes may be made within the first five school days of the semester. The same requirements as those stated above also apply.
8. The mid-year and final exam grades combined count as 1/5 of the final course grade for full year courses. Courses with fractional credit will have only a final exam counting 1/5 of the final grade. Senior grades are weighted proportionally with no final exam.
9. Administrative procedure for accepting credit outside the CBNA curriculum.
  - Coe-Brown will accept credit for classes taken in a state accredited high school program. These courses will be included in the student's transcript and reflected in his/her GPA.
  - Credit for any other class or program would need approval from the Administration. Students will submit a proposal request to their school counselor first who will then present the request to the Administration.

Enrollment in any alternative class does not exempt a student from the requirements of a full-time CBNA student.

Special circumstances for a student who is enrolled at Coe-Brown and cannot fulfill these requirements may be considered on a case by case basis. Documentations of the special circumstances and proposed plan must be submitted to be considered by administration. Coe-Brown reserves the right to review all transfer credits to determine if they meet identified Coe-Brown competencies.

10. Advanced placement in a course.

A student with prior classes or experience in a particular area may apply for higher level placement in a class here at Coe-Brown. The appropriate Curriculum Coordinator will assess the student's proficiency in accord with Coe-Brown competencies for that course. (Assessment may include, but is not limited to administration of the comparable Coe-Brown final, oral evaluation or written requirements.) A recommendation for placement will be made to the Dean who has the final approval. If advanced standing is approved, no credit will be awarded for the class out of which the student tested.

11. Dual Enrollment Program (Earning college credit through CBNA courses). Coe-Brown partners with Southern New Hampshire University to offer **SNHU in the High School's** dual enrollment program, which allows high school students the opportunity to earn early college credits while in high school. Designated courses have been aligned to meet the same content, rigor and learning outcomes as that of the University.

The courses are taught during the regular school day by our high school teachers who have met the University's adjunct faculty requirements and have been approved by the University. The program allows eligible high school sophomores, juniors, and seniors, to take SNHU courses to earn credit simultaneously toward both a high school diploma and a college degree. At the beginning of the course students complete an application and submit the course registration fee for each college credit. Upon successful completion of the course, students will have an official SNHU college transcript to use in transferring credits to other colleges and universities. Please note that each college and university has its own policy on accepting transfer credits.

**Participation advantages:**

- Reduced costs: SNHU in the High School courses require only a \$100 fee, a savings of more than 90 percent off regular full-time SNHU tuition.
- Students experience the academic requirements of a university-level course, and are better prepared for college by gaining exposure to college expectations and workload.
- High school students applying to college having already earned university credits demonstrates to admission offices that they are capable of meeting the academic demands of university-level course work.
- Credits are generally transferable to other colleges and universities (policies vary by school).
- Credits and grades are earned and recorded on an official SNHU transcript at the conclusion of the course(s).

Discuss this option with your school counselor to determine which CBNA courses will meet this concurrent enrollment opportunity. There needs to be a minimum of six students per class enrolled in the dual credit option in order to offer the course for college credit.

## GRADING SYSTEM

93-100	A Superior
85-92	B Good
76-84	C Average
70-75	D Passing
Below 70	F Failing

## COURSE-EFFORT RANKING

1	Very Good
2	Good
3	Could Improve
4	Poor

### **HONOR ROLL:**

The honor roll will be announced at the end of each of the four marking periods during the year.

High Honors – weighted GPA of 97 or higher.

Honors – a weighted GPA of 90 or higher.

To be eligible for honor student status at graduation, a student must have a minimum GPA of 85.

### **CLASS RANK:**

The class ranking is computed at the end of the junior year and middle and end of the senior year. Students' grades are averaged and averages are ranked in order from highest to lowest. All grades and all students are included in the ranking; grades are weighted in three categories.

### **AP Level Courses – Level 4 – Weighting - +7**

Are designed to challenge the exceptional student and should meet the following criteria –

- it is the most academically challenging course with all the course material comparable to a first year course in a four year college;
- it prepares the student for the AP Exam which, depending on the student's score, may earn college credit or advanced placement in college classes.

### **Honors Level Courses – Level 3 – Weighting - +5**

Are designed to challenge the exceptional student and should meet the following criteria –

- where three levels of a course are offered, it is the most academically challenging course;
- it prepares the student for SAT II Subject Tests and possible advanced placement in certain college courses.

### **College Prep Courses – Level 2 – Weighting - +2**

Are designed to prepare an academic student for comparable college courses and should meet the following criteria –

- the course material is specifically related to comparable college courses and is designed to prepare students to succeed in them;
- it prepares the student for College Entrance Examinations.

### **General Courses – Level 1 – No Weighting**

Are designed to prepare students for daily living and skills necessary for entry into a two year vocational or business school; they include those courses required for graduation by current state standards and standards established by the Board of Trustees.

**NOTE:** Weighting affects only the student's Grade Point Average (GPA) and Class Rank. Additional weighted points are only added for grades 80 or higher.

#### **AWARDING OF CREDIT:**

Students will be awarded credit, as specified in this manual, if they complete the course with a final grade of 70 or higher and;

1. they have complied with the attendance policy;
2. they have settled all financial obligations to the school;
3. they have completed the required mid-year and final exams;
4. they have successfully completed the class competencies.

Credit is not given for partial completion of a course. Unless specified in this manual, a student may not receive credit for taking the same course twice.

#### **SCHEDULING AND GRADING POLICIES FOR TRANSFER STUDENTS:**

To the extent possible, students entering Coe-Brown from another school during the school year will be given a course schedule which matches the schedule followed at the previous school. Courses which cannot be matched will be dropped and students will be given credit for each quarter of a credit-bearing course completed with a passing grade.

Transfer students adding a new course which is already in progress will either complete make-up work to qualify for full credit, or will pick up from the point of entry and receive credit only for the full quarters actually attended.

#### **MAKE-UP WORK:**

Students who receive a grade below 70 may retake that course in an approved summer school program. Written notification of satisfactory completion and grade from the summer school is required by August 15 in order for credit to be awarded.

Students who do not receive credit due to excessive absences may make up the time missed during summer sessions and receive credit if all other requirements are met. Absences will be made up at 3 hours for the first day and 1 hour for every additional day. A fee is charged. Make-up must be completed by the end of the Coe-Brown Northwood Academy summer school session directly following the academic year in question.

## DIVISION OF HUMANITIES

### SOCIAL STUDIES CURRICULUM

Social Studies is the integrated study of the social sciences to promote civic competence. The Social Studies department provides a coordinated, systematic study drawing upon such disciplines as economics, geography, history, law, philosophy, political science, psychology, religion, and sociology. The courses are offered at several levels of difficulty from grade level General courses to above grade level College Preparatory, Honors and AP courses, for students who wish to work at an advanced level.

**COURSE TITLE: US History I (General) (151)**

**GRADE: 9**

PREREQUISITE: Required of all Freshmen

½ credit

COURSE DESCRIPTION: This course will be examining the beginnings of the development of the United States from historical events to examining our democratic government. The emphasis of this class will focus from the Colonial Era to the development of the Constitution to the Civil War and the Industrial Revolution. As the course progresses throughout the semester, there will be in-depth look at the influences of historical American figures and other historical documents that have influenced our nation and contributed to governmental policies pertaining to the never ending development of the United States and the state we call New Hampshire.

**COURSE TITLE: US History I (CP) (152)**

**GRADE: 9**

PREREQUISITE: Required of all Freshmen

½ credit

COURSE DESCRIPTION: This course will be examining the beginnings of the development of the United States from historical events to examining our democratic government. The emphasis of this class will focus from the Colonial Era to the development of the Constitution to the Civil War and the Industrial Revolution. As the course progresses throughout the semester, there will be in-depth look at the influences of historical American figures and other historical documents that have influenced our nation and contributed to governmental policies pertaining to the never ending development of the United States and the state we call New Hampshire. There will be more of an emphasis on the writing process pertaining to the topics that will be covered in the course.

**COURSE TITLE: World History (CP) (250)**

**GRADES: 10-12**

PREREQUISITE: None

1 credit

World History can fulfill Global Studies requirement

COURSE DESCRIPTION: World History is a study of major civilizations around the world. From the pre-civilization era to modern times, the course will examine the major issues, events and people that helped shape those particular civilizations. The goal is to help the student better understand the causes and interrelationships between these different civilizations. Emphasis will be placed on the writing process, essay style testing and the development of collaborative interdisciplinary projects.

**COURSE TITLE: World History (Honors) (251)**

**GRADES: 10-12**

PREREQUISITE: All A's in US History I – CP (excl. midterm exam)

1 credit

or all A's in Global Studies CP (excl. midterm exam)

or with permission of the Dean.

World History can fulfill Global Studies requirement

COURSE DESCRIPTION: World History is an in depth study of major civilizations around the world. From the pre-civilization era to modern times, the course will examine the major issues, events and people that helped shape those particular civilizations. Using writing and research as

major tools, students will examine primary source documents and other research based materials to help explain the causes of the world's major events and time periods. Emphasis will be placed on the writing process, essay style testing, reading of primary sources and the development of collaborative interdisciplinary projects.

**COURSE TITLE: Global Studies (General) (253)** **GRADES: 10**  
PREREQUISITE: US History I or with permission of the Dean.  $\frac{1}{2}$  credit  
COURSE DESCRIPTION: This course will survey the regions of the world with a close look at the connections that exist between geography, culture and the diverse regions of today's world. More specifically, students will learn about the geography, resources, history, government, customs and traditions of our worlds' diverse peoples. Students will be expected to develop basic map, writing and research skills while using a variety of geographic, internet media and primary sources.

**COURSE TITLE: Global Studies (CP) (254)** **GRADES: 10**  
PREREQUISITE: US History I CP or with permission of the Dean.  $\frac{1}{2}$  credit  
COURSE DESCRIPTION: This course will survey the regions of the world with a close look at the connections that exist between geography, culture and the diverse regions of today's world. More specifically, students will learn about the geography, resources, history, government, customs and traditions of our worlds' diverse peoples. Students will be expected to develop basic map skills, while gaining greater knowledge through geographic materials, analysis of historical literature, current events and primary sources. They will develop their writing, research, and presentation skills through research, and creative group and individual projects.

**COURSE TITLE: American Studies (CP) (324 & 350)** **GRADE: 11**  
PREREQUISITE: World History or Global Studies CP or with permission of the Dean. 2 credits  
Fulfills Junior English and History requirement  
COURSE DESCRIPTION: The American Studies class is a college preparatory course with a broad, encompassing and integrated view of American culture and society beginning with American origins in colonization and continuing through to the present day. This is a TWO credit course – one credit for CP US History and one credit for CP American Literature Grade 11. Students in this course are scheduled for two periods per day to satisfy these requirements. Two faculty members teach the course – one from the History department and one from the English department in an integrated, interdisciplinary manner.  
There is a strong focus on project-orientated assignments in this course, with six major written assignments or projects that will involve research and extensive analysis and written work due during each quarter. In addition, there will be traditional means of assessment such as tests, quizzes, homework assignments and exams.  
Within each unit we discuss themes and questions that recur throughout our American experience. Questions such as what is the "American Dream?"; What is the nature of conflict and resolution?; What is reform?; Do individuals make a difference?; and What is an American? will be explored.

**COURSE TITLE: New England History CP (336)** **GRADE: 11-12**  
PREREQUISITE: US History I CP and/or Concurrent with US History II or  $\frac{1}{2}$  credit  
with permission of the Dean.

COURSE DESCRIPTION: For nearly four centuries, New England has maintained an identity which has set it apart from the rest of the United States. This course will follow the growth and change experienced in the northern American states which came to be known as New England, from the years before colonization, through first contact and into the 21<sup>st</sup> century. Students will consider the region's social, environmental, economic, and political history, with particular attention to their

influence on significant events in American history. This course will seek to trace the evolution of the region from prehistory to present, through study of geography and resources, industry, religion, ethnicity and gender, among other lenses.

**COURSE TITLE: US History II (General) (351)**

**GRADE: 11**

PREREQUISITE: US History I or with permission of the Dean.

½ credit

COURSE DESCRIPTION: This general course is designed to enable students to examine and understand 20<sup>th</sup> Century America, starting with the Industrial Revolution, Age of Imperialism and World War I. The course will then take a look at the Roaring Twenties and the Great Depression before analyzing the impact that World War II had on global politics. Students will then start to take a closer look at Modern America, including such topics as the Cold War, laying the foundation for the later study of the Korean and Vietnam conflicts, and the eventual demise of the Soviet Union, as well as the social reactions to each at home. There will be an emphasis on primary sources, research, analysis, reading, writing, oral presentations, and individualized study, with students taking an active role in their subject material. Students will also be involved in quarterly papers, presentations and projects to enrich the units which they are learning. Technology will be integrated and utilized daily.

**COURSE TITLE: US History II (CP) (352)**

**GRADE: 11**

PREREQUISITE: US History I CP or with permission of the Dean.

½ credit

COURSE DESCRIPTION: This course will examine 20<sup>th</sup> Century America, starting with the Age of Imperialism and World War I. The course will then take an in-depth look at the Roaring Twenties and the Great Depression before analyzing the impact that World War II had on global politics. Students will then take a closer look at Modern America, including such topics as the Cold War, the Korean and Vietnam conflicts, and the eventual demise of the Soviet Union, as well as the social reactions to each at home. A strong emphasis on analysis research, writing and oral presentations will be included in the class. Technology will be integrated and utilized daily.

**COURSE TITLE: US History II (Honors) (353)**

**GRADE: 11**

PREREQUISITE: All A's in Global Studies or World History CP, or a B average  
In World History Honors and Teacher Recommendation

½ credit

COURSE DESCRIPTION: This honors course is designed specifically for the highly motivated student and will examine 20<sup>th</sup> Century America, starting with the Industrial Revolution, Age of Imperialism and World War I. The course will then take an in-depth look at the Roaring Twenties and the Great Depression before analyzing the impact that World War II had on global politics. Students will begin to take a closer look at Modern America, including such topics as the Cold War, laying the foundation for the later study in USH III of the Korean and Vietnam conflicts, and the eventual demise of the Soviet Union, as well as the social reactions to each at home. Though this course follows the same course of study as the college preparatory, the material will be taught with greater complexity, acceleration, and depth with a strong emphasis on primary sources, research, analysis, reading, writing, oral presentations, and individualized study, with students taking an active role in their subject material. Students will also be involved in quarterly papers and projects to enrich the units which they are learning. Technology will be integrated and utilized daily.

**COURSE TITLE: US History (AP) (355)**

**GRADE: 11**

PREREQUISITE: A average in World History Honors (excluding midterm exam) or  
at least a 95 average each quarter in Global Studies CP, or  
at least a 95 average in World History CP, and Teacher Recommendation

1 credit

COURSE DESCRIPTION: AP US History is a challenging course that is meant to be the equivalent of a freshman college course and can earn students college credit. It is a year-long survey of



American History from the Pre-Columbian age to the present. Students taking this class must have a passion for history and a willingness to learn about the complex world in which we live. Solid reading and writing skills, along with a desire to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical, evaluative, and analytical thinking skills, writing skills, and interpretation of original documents. Focus will also be placed on evaluating different historical perspectives, bias and interpretation from both primary and secondary sources. All students are required to take the end of year AP examination, which has a fee of approximately \$90.00 (financial assistance is available.)

**COURSE TITLE: Current Events in the Modern World (General) (356)**      **GRADES: 11-12**  
**PREREQUISITE: None**       $\frac{1}{2}$  credit

Social Studies Elective

**COURSE DESCRIPTION:** This course is a study of current topics of the day by using local, state, national, and international events to help students develop an understanding of the relationship between current events and the geographic, historical, and social background of selected regions. The class will actively use newspapers, periodicals, television, radio, maps, DVDs, videos, documentaries, the Internet, and other library/media center resources. This course requires students to have an active awareness of current issues and events as well as the analytical ability to decipher media bias in the 21<sup>st</sup> Century.

**COURSE TITLE: Sociology (General) (357)**      **GRADES: 11-12**  
**PREREQUISITE: None**      Social Studies Elective

$\frac{1}{2}$  credit

**COURSE DESCRIPTION:** The familiar, socio-economic, geographic, religious, racial and national groups to which we belong influence the decisions we make and the way we live our lives. Sociology is the discipline, which tries to understand, document and predict the impact of groups on individual behavior. The course will be a survey of sociological theory and research and will include the use of a text along with outside readings and projects.

**COURSE TITLE: Psychology (General) (358)**      **GRADES: 11-12**  
**PREREQUISITE: None**      Social Studies Elective

$\frac{1}{2}$  credit

**COURSE DESCRIPTION:** To study psychology is to attempt to understand why people behave as they do. Topics such as personality, motivation, learning, and memory will be explored, using a text, films, class discussion and outside readings and projects. The course is intended for anyone who is interested in increasing their understanding of their own and others' behavior.

**COURSE TITLE: Sports in Society (CP) (359)**      **GRADES: 11-12**  
**PREREQUISITE: None**      Social Studies Elective

$\frac{1}{2}$  credit

**COURSE DESCRIPTION:** This course will take an in-depth look at the impact that sports have had throughout the 20<sup>th</sup> and early 21<sup>st</sup> Century America. The course will cover sports such as boxing, football, baseball, basketball, and hockey and understand how each of these respective sports have both shaped and influenced our society. Students will learn about exciting and controversial topics such as race-relations, gender equity, drugs and the marketing aspect of sports. Much of the course will focus on class participation, debates, and discussions. Students will be expected to give oral presentations on various topics and will also be required to write one position paper for the semester. In addition, students will be expected to read three different books (Steroid Nation; Jackie Robinson an autobiography; Pressure is a Privilege). They will also read magazine articles online.

**COURSE TITLE: US History III (General) (360)****GRADE: 11**

PREREQUISITE: US History II or with permission of the Dean.

½ credit

**COURSE DESCRIPTION:** This general course is designed to enable students to examine and understand contemporary America, focusing on post-World War II America to the present, and 21<sup>st</sup> Century citizenship skills and knowledge, including applying the U.S. Constitution today. The course will begin with the historical foundation of contemporary America, looking at the second half of the 20th Century. The course will then follow a thematic approach looking at local, state, and national government to help students develop an understanding of the relationship between current events, past history, geography, and our global society today. Themes will include Contemporary Politics, America at Home, America Abroad, and the Impact of Media. The course will utilize technology including online texts, newspapers, additional periodicals, video, audio, maps, search engines, and other library/media center resources. This course requires students to have an active awareness, understanding, analysis, and application of past history and of current issues and events. Emphasis will be on analysis of primary sources, reading, writing and research skills, as well as public speaking and presentation skills. Technology will be used daily, both at home and in class.

**COURSE TITLE: US History III (CP) (361)****GRADE: 11**

PREREQUISITE: US History II CP or with permission of the Dean.

½ credit

**COURSE DESCRIPTION:** This course is a study of contemporary America, focusing on 21<sup>st</sup> Century citizenship skills and knowledge including applying the U.S. Constitution today. The course will follow a thematic approach looking at local, state, and national government to help students develop an understanding of the relationship between current events, past history, geography, and our global society today. Themes will include NH Citizenship, Rights and Responsibilities, Contemporary Politics, Minorities v. Majorities, America at Home, America Abroad and the Impact of Media. The course will utilize technology including online texts, newspapers, additional periodicals, video, audio, maps, search engines, and other library/media center resources. This course requires students to have an active awareness, understanding, analysis, and application of past history and of current issues and events. Emphasis will be on analysis of primary sources, writing and research skills, as well as public speaking and presentation skills.

**COURSE TITLE: US History III (Honors) (362)****GRADE: 11**

PREREQUISITE: US History II Honors or with permission of the Dean.

½ credit

**COURSE DESCRIPTION:** This honors course is designed specifically for the highly motivated student and will examine contemporary America, focusing on post-World War II America and 21<sup>st</sup> Century citizenship skills and knowledge, including applying the U.S. Constitution today. The course will begin with an in-depth study of the historical foundation of modern America, looking at the second half of the 20th Century. The course will then follow a thematic approach looking at local, state, and national government to help students develop an understanding of the relationship between current events, past history, geography, and our global society today. Themes will include: Contemporary Politics, Minorities v. Majorities, America at Home, America Abroad, and the Impact of Media. Though this course follows the same course of study as the college preparatory, the material will be taught with greater complexity, acceleration, and depth with a strong emphasis on primary sources, research, analysis, reading, writing, public speaking and presentation skills, and individualized study, with students taking an active role in their subject material. This course requires students to have an active awareness, understanding, analysis, and application of past history and of current issues and events. Netbooks and a variety of technology will be utilized daily, both at home and in class.

**COURSE TITLE: World Geography (CP) (376)**

**GRADES: 11-12**

PREREQUISITE: World Cultures or World History

½ credit

COURSE DESCRIPTION: The focus of this class will be examining the geography, culture, and history as well as the political, economic, and social structures of specific regions of the world. Note taking and map skills will be emphasized as each region of the world is studied. The five themes of geography will also be incorporated throughout the course. Within each unit the topic of current issues will be discussed and analyzed.

**COURSE TITLE: History of Russia (CP) (377)**

**GRADES: 11-12**

PREREQUISITE: World History CP, Global Studies or with permission of the Dean.

½ credit

COURSE DESCRIPTION: The History of Russia will introduce students to the social, cultural and political history of Russia from its foundations in early Kievan Rus' to the fall of the Soviet Union. Students will explore this unique culture by looking at multiple aspects of its culture. The course will focus on the main periods of Russian history, including; Early Russia, Muscovite Russia, the Last Czar's of Russia, and the communist period of Russia. This will be a lecture based course which will be supplemented with primary source readings.

**COURSE TITLE: Understanding the Middle East (CP) (382)**

**GRADES: 11-12**

PREREQUISITE: World History CP, Global Studies CP or with permission of the Dean.

½ credit

COURSE DESCRIPTION: The goal of the course is to give students a general overview of the history of the Middle East, with the aim of helping the students to better understand the complexities of the many issues the Middle East is facing today.

**COURSE TITLE: Economics (General) (441)**

**GRADE: 12**

PREREQUISITE: Senior Status or with permission of the Dean.

½ credit

COURSE DESCRIPTION: The economics curriculum will provide each senior the tools needed to understand basic concepts of economics and personal finance. Understanding the themes and concepts discussed in this class will help students make informed decisions about the economy, and evaluate the decisions made by others. Specific attention will be paid to content related to spending and saving in the long and short term, and students will spend dedicated time researching opportunities related to their future education and/or career opportunities. In addition, the course will be covering several topics which are essential for understanding some of the complex and controversial issues that can be faced outside of high school. These units are meant to provoke both research and discussion through "Town Hall" style discussions meant relate the topics selected to their economic, political and social opportunity costs.

**COURSE TITLE: Economics (CP) (442)**

**GRADE: 12**

PREREQUISITE: Senior Status or with permission of the Dean.

½ credit

COURSE DESCRIPTION: The economics curriculum will provide each senior the tools needed to understand basic concepts of economics and personal finance. Understanding the themes and concepts discussed in this class will help students make informed decisions about the economy, and evaluate the decisions made by others. Specific attention will be paid to content related to spending and saving in the long and short term, and students will spend dedicated time researching opportunities related to their future education and/or career opportunities. In addition, the course will be covering several topics which are essential for understanding some of the complex and controversial issues that can be faced outside of high school. These units are meant to provoke both research and discussion through "Town Hall" style discussions meant relate the topics selected to their economic, political and social opportunity costs.

**COURSE TITLE: Economics (Honors) (443)**

**GRADE: 12**

PREREQUISITE: B average in US History II and III Honors or

½ credit

A average in US History II and III CP or with permission of the Dean.

COURSE DESCRIPTION: The economics curriculum will provide each senior the tools needed to understand basic concepts of economics and personal finance. Understanding the themes and concepts discussed in this class will help students make informed decisions about the economy, and evaluate the decisions made by others. Specific attention will be paid to content related to spending and saving in the long and short term, and students will spend dedicated time researching opportunities related to their future education and/or career opportunities. In addition, the course will be covering several topics which are essential for understanding some of the complex and controversial issues that can be faced outside of high school. These units are meant to provoke both research and discussion through "Town Hall" style discussions meant relate the topics selected to their economic, political and social opportunity costs.

**DIVISION OF HUMANITIES**

**ENGLISH CURRICULUM**

Language courses are intended to increase the use, appreciation and enjoyment of language as a communicator of ideas and opinions. English courses are offered at several levels of difficulty. College Placement level is for students whose language skills are above grade level. General level is for students at grade level or below. Honors courses are offered for students who wish to work at an advanced level and meet the department criteria for admission.

**COURSE TITLE: Think Tank (General) (002)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: A series of activities designed to get students to strategically think through to a solution, starting small and working their way up to larger, more complicated situations. This develops strategic thinking and group problem solving and communication. The class is activity-based and may be outdoors, depending on the weather.

**COURSE TITLE: The Great Outdoors: Extremes (General) (017)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

English Elective

COURSE DESCRIPTION: For anyone interested in learning more about outdoor adventure. What is out there to explore? What are adventurous people doing: extreme sports, endurance races, crazy events that challenge physically and mentally? Learn about these through reading, videos, and discussions. Then maybe plan your own ideal adventure! What can you imagine yourself doing or where would you go? It's all about thinking about your potential...and beyond!

**COURSE TITLE: Drama I (General) (107)**

**GRADES: 9-12**

PREREQUISITE: None

½ credit

Fine Arts Elective

COURSE DESCRIPTION: This course will cover the fundamentals of theatre including, acting, directing and producing, technical theatre and theatre history. Texts include *Theatre: Art in Action* and a variety of scenes from contemporary and classical plays. Grades are based on individual and group projects, performances, written work, tests, quizzes and class participation.

**COURSE TITLE: English 9 Reading (General) (111)** **GRADE: 9**  
**PREREQUISITE:** Recommendation of Reading Specialist  
or with permission of the Dean. 1 credit  
Fulfills Freshman Requirement  
**COURSE DESCRIPTION:** This course concentrates upon fundamentals of reading, writing, speaking, listening, logical reasoning, vocabulary, and spelling. This course acts as an alternative for English 9 General for those students who need more support in reading skills and comprehension development. The main focus is on developing basic reading and writing skills that will help to increase their reading abilities so that they will be more successful in all content areas. There will be direct instruction on specific strategies for reading, writing, and logical reasoning. This course is taught by a Reading Specialist.

**COURSE TITLE: English 9 (General) (112)** **GRADE: 9**  
**PREREQUISITE:** None 1 credit  
Fulfills Freshman Requirement  
**COURSE DESCRIPTION:** This course reinforces the fundamentals of grammar, reading, writing, literature, vocabulary spelling and speaking and listening skills. Readings include fiction, non-fiction, poetry, drama, essays and short stories, organized thematically.

**COURSE TITLE: English 9 (CP) (113)** **GRADE: 9**  
**PREREQUISITE:** None 1 credit  
Fulfills Freshman Requirement  
**COURSE DESCRIPTION:** This course is designed for students at or above grade level. It concentrates upon fundamentals of grammar, reading, writing, speaking, listening, literature, vocabulary and spelling. Texts include: *Warriner's English Grammar and Composition: Third Course, Impact: Fifty Short Stories, Writers Inc., Understanding Literature and Adventures in Reading*. Shakespeare's *Romeo and Juliet*, *Great Expectation*, *To Kill a Mockingbird*, *Lord of the Flies* and other fictional works will aid in developing reading comprehension. A review of mechanics will precede creative writing and literary analysis pieces.

**COURSE TITLE: English 9 (Honors) (114)** **GRADE: 9**  
**PREREQUISITE:** By application or with permission of the Dean. 1 credit  
Fulfills Freshman Requirement  
**COURSE DESCRIPTION:** This course is an intensified exploration and survey of literature. Less time will be spent on the fundamentals of language and literature in exchange for intensive writing, reading and development of critical analysis skills. Texts will include those read on the CP level, with additional novels, plays, short stories and non-fiction. Students should expect to do extensive reading and writing, with significant daily homework expectations.

**COURSE TITLE: Orientation (161)** **GRADE: 9**  
**PREREQUISITE:** None ¼ credit  
Required of all Freshman  
**COURSE DESCRIPTION:** Orientation serves to aid the student's transition to high school. Study skills in listening, note taking, test preparation, oral presentations, research papers and a development of personal study skills will be emphasized. Students will take this course during the fall semester, alternating with Physical Education. The Headmaster, Assistant Headmaster, Librarian, Guidance Counselors, School Resource Officer, School Nurse and Special Education Department staff all teach units in the curriculum of this course.

**COURSE TITLE: Playwriting and Directing (General) (200)**  
PREREQUISITE: Drama I or with permission of the Dean.

**GRADES: 10-12**  
Fine Arts Elective  
½ credit

**COURSE DESCRIPTION:** This semester long course for advanced theatre students will focus on the aspects of play construction and play direction. Students will have opportunities to learn the basic structures of plays and the differences among them. Focus will be two fold. Part of the semester will focus on script writing and part of the semester will be focused on the process by which productions are directed from start to finish. Analysis of structure, plot, theme and character will serve the writer, as well as the director, since the analysis process is similar for each discipline.

**COURSE TITLE: Improvisation (General) (201)**  
PREREQUISITE: Drama I or with permission of the Dean.

**GRADES: 10-12**  
Fine Arts Elective  
½ credit

**COURSE DESCRIPTION:** This course is designed for advanced theatre students. In this class students will learn the fundamental rules of improvisational theatre and ensemble improvisational performance through theater games, activities, group exercises, and scene work. In addition, students will have the opportunity to use the improvised scene to create scripted monologues and short scenes. Students will have the opportunity to explore the roots of improvisational theatre beginning with the oral traditions of the griot through Comedia dell'arte to the present day techniques of professional improvisational theatre companies.

**COURSE TITLE: Survey of Film (General) (202)**  
PREREQUISITE: None

**GRADES: 10-12**  
½ credit

**COURSE DESCRIPTION:** Get ready to unfold the mysteries and wonder of the world of movies. The aim of this course is to get students to think, write and speak critically about film while being exposed to a variety of film styles, genres, types and directors. We will initially embark on a journey through the beginnings of filmmaking, covering the evolution of both storytelling and technology. We will then begin viewing a wide array of important films throughout history up through the present. Each film will be presented by a student who has researched the film, genre and filmmaker to further our understanding and appreciation. Students enrolling in the class should have a willingness to write in-depth film reviews and speak in lengthy class discussions about each film they see.

**COURSE TITLE: Acting (General) (203)**  
PREREQUISITE: Drama I or with permission of the Dean.

**GRADES: 10-12**  
½ credit  
Fine Arts Elective

**COURSE DESCRIPTION:** This course will focus more specifically on performance, script analysis and directing. The course is conducted in workshop format and will continue to use *Theatre: Art in Action* as a text. Students will be expected to memorize quickly, read a play every two weeks and actively participate in classroom exercises. The class will produce a performance for the Winter Arts Festival. Attendance is mandatory at the Winter Arts Festival.

**COURSE TITLE: Technical Theatre I (General) (204)**

**GRADES: 10-12**

PREREQUISITE: Drama I or with permission of the Dean.

½ credit

Fine Arts Elective

COURSE DESCRIPTION: This course is designed to allow students to continue the study of the art of theatre by building on the background established in Drama I. The focus of this course is to provide students with opportunities for in depth study in specific areas of technical theatre. This in depth study will take the form of specific units of work, and independent/group project work in the various areas of theatre production. Requirements of this course include, but are not limited to, attendance, class participation, a daily journal of theatrical progress, periodic readings on issues of current theatrical interest, culminating projects at the end of each unit of study and a final project.

**COURSE TITLE: Technical Theatre II (General) (205)**

**GRADES: 10-12**

PREREQUISITE: Drama I or with permission of the Dean.

½ credit

Fine Arts Elective

COURSE DESCRIPTION: This course will continue the work begun in Technical Theatre I. Students will be able to study theatre design and construction in greater depth and detail, leading to more independent and individual projects. The focus of this course is to provide students with additional opportunities for in depth study in specific areas of technical theatre and theatrical maintenance. This will take the form of specific units of work, and independent/group work in the various areas of theatre production and work on current theatrical productions. Requirements of this course include, but are not limited to: attendance, class participation, a daily journal of theatrical progress, periodic readings on issues of current theatrical interest, culminating projects at the end of each unit of study and a final project.

**COURSE TITLE: Journalism I (General) (206)**

**GRADES: 10-12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: This course is designed to help students improve their writing by experimenting with different styles. Students will work with newswriting, feature writing, sports writing, interviewing, editorial compositions and some advertising. Students also explore issues concerning on-line news, blogs and web publications, as well as learn how to write for broadcast media. The students will learn the importance of punctuality and the difficulties involved in writing with clarity, style, and accuracy. As part of the class, students will help produce the school newspaper.

**COURSE TITLE: Journalism II (General) (207)**

**GRADES: 10-12**

PREREQUISITE: Journalism I or with permission of the Dean

½ credit

COURSE DESCRIPTION: Journalism II is designed as a hands-on approach to the skills acquired in Journalism I. Students in Journalism II will enhance the interviewing, writing, and editing skills learned in Journalism I, with the added component of working under pressure to meet deadlines while publishing the school newspaper.

**COURSE TITLE: Reading 10 General (218)**

**GRADE: 10**

PREREQUISITE: Permission of Dean and Reading Specialist

½ credit

COURSE DESCRIPTION: This course concentrates on fundamentals of reading, writing, logical reasoning, vocabulary, and reading strategies. It is designed for students who need more support in reading skills and comprehension development in order to be more successful in all content areas. The main focus will be on reading and discussion of various materials, building sustained reading and exposure to text. This course will be taught by the Reading Specialist and is required for students below a certain reading level.

**COURSE TITLE: English 10 (General) (220)****GRADE: 10**

PREREQUISITE: English 9 or with permission of the Dean.

1 credit

COURSE DESCRIPTION: This course offers a survey of literature from various parts of the world throughout history. Texts include classical mythological tales (Greek), *Of Mice and Men* (U.S.), *Night* (Romanian), *The Power of One* (South African) and various short stories. Students will also review and supplement grammar and literary devices learned from 9<sup>th</sup> Grade, increase their vocabularies, critical reading skills and write both analytical and personal narrative essays.

**COURSE TITLE: English 10 (CP) (221)****GRADE: 10**

PREREQUISITE: English 9 CP or with permission of the Dean

1 credit

COURSE DESCRIPTION: This course offers a survey of literature from various parts of the world throughout history and is designed for students planning on continuing their education after high school. Texts include classical mythological tales (Greek/Roman), *Hamlet* by William Shakespeare (British), *Of Mice and Men* (U.S.), *Night* (Romanian), *A Separate Peace* (U.S.), *Persepolis* (Iranian), *The Little Prince* (French), *Between Shades of Gray* (Lithuanian) and various short stories. Students will also review and supplement grammar and literary devices learned from 9<sup>th</sup> Grade, increase their vocabularies, critical reading skills and write personal narrative and critical analysis essays.

**COURSE TITLE: English 10 (Honors) (222)****GRADE: 10**

PREREQUISITE: 88% average in English 9 Honors or all A's in English CP or an

1 credit

A average and all 1's &amp; 2's in effort &amp; conduct in English 9 CP.

COURSE DESCRIPTION: This course offers a survey of literature from various parts of the world throughout history and is designed for students planning on continuing their education after high school. Texts include *Antigone* (Greek), classical mythological tales (Greek/Roman), *Hamlet* by William Shakespeare (British), *Cry the Beloved Country* (South African), *The Good Earth* (Chinese), *Of Mice and Men* (U.S.), *Night* (Romanian), *One Day in the Life of Ivan Denisovich* (Russian), *A Separate Peace* (U.S.), *Persepolis* (Iranian), *The Little Prince* (French) and various short stories. Students will also review and supplement grammar and literary devices learned from 9<sup>th</sup> grade, increase their vocabularies, critical reading skills and write personal narrative and critical analysis essays.

**COURSE TITLE: Shakespeare's Comic Wit (CP) (223)****GRADES: 10-12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: This semester long course will afford students the opportunity to explore the flip side of Shakespeare's genius – his comedies. The comedies provide a rich insight into the history and culture of Shakespeare's life and times, and besides, these plays are really, really funny. Though this is not a theatre class, students will be required to participate in class readings and discussions and to complete performance projects related to each of the plays that may include several of the following components: researching, writing, creating visual work, memorizing and presenting.

**COURSE TITLE: Intro. Creative Writing / Eng-226 (CP) (229)****GRADES: 11-12**

PREREQUISITE: English 10 CP or with permission of the Dean.

½ credit

3 SNHU credits (with \$100 fee)

COURSE DESCRIPTION: This is a Southern NH University course that focuses on developing and refining writing skills for creative non-fiction, short fiction, poetry, and scripts. Students will explore their creative process through a wide variety of exercises in varied genres. Students will explore the writing process, crafting, sharing, and refining their work. Students will be encouraged to find forums in which to publish their work. Students will compile a portfolio of their work as a final project. This is a dual enrollment class through SNHU. \$100.00 fee for the 3 college credits.



**COURSE TITLE: Film Production (CP) (302)** **GRADES: 11-12**

**PREREQUISITE:** None  $\frac{1}{2}$  credit

**COURSE DESCRIPTION:** Lights, camera, action! Film Production is a hands-on course that will teach students how to plan out and create quality movies. Students will learn the entire filmmaking process, from developing stories to script writing to filming and editing. The course is centered on mini group projects done throughout each week that culminate with in-class viewings. These group projects are based on core sets of filmmaking skills and techniques that will grow the students' filmmaking abilities. Additionally, students will develop, write and possibly produce their own movie ideas into final projects that employ all of their learned skills from the semester. Students should have a genuine interest in film, self-discipline and willingness to work productively and independently in groups.

**COURSE TITLE: Poetry and Performance (CP) (303)** **GRADE: 11-12**

**PREREQUISITE:** English 10 CP or with permission of the Dean.  $\frac{1}{2}$  credit

**COURSE DESCRIPTION:** This course is designed for students with a strong interest in reading, writing, and reciting poetry. Over the course of the semester, students will develop an in-depth understanding of the art of poetry in all of its forms. The class will include direct instruction, writing workshops, a field trip, and poetry recitations.

**COURSE TITLE: Reading 11 General (313)** **GRADE 11**

**PREREQUISITES:** None  $\frac{1}{2}$  credit

English Elective

**COURSE DESCRIPTION:** This course develops reading and writing skills, focusing on identifying the main idea, supporting details, textual clues, summarization, note taking, and developing inferences. The focus will be on reading and writing through the exploration of personal and career interests; considering possible occupations, subjects of interest, notable people, and current events. The objective is to improve reading: a means to an end – get what you want by improving the skill of critical and active reading. This course is required for juniors scoring below 1130 Lexile® on the Reading Inventory.

**COURSE TITLE: Public Speaking/Com 212 (CP) (319)** **GRADES: 11-12**

**PREREQUISITE:** English 10 CP or with permission of the Dean.  $\frac{1}{2}$  credit

**COURSE DESCRIPTION:** This course is designed to help students develop the abilities for all speaking situations, including skills in organization and delivery. Special attention is paid to eye contact and hand gestures. Students will deliver informative and persuasive presentations and will be introduced to several audiovisual methods. The evaluation and improvement of voice, diction, articulation, and posture are also studied. This is a dual enrollment class through SNHU. \$100.00 fee for the 3 college credits

**COURSE TITLE: English AP Language and Composition (320)** **GRADE: 11**

**PREREQUISITE:** All A's in English 10 Honors or with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** AP Language and Composition is a demanding class that should be taken by only hardworking and motivated students that want to challenge themselves. Students are only eligible for the class if they have earned a 93 or above for each quarter grade and midterm exam during their tenth grade Honors English class. The course focuses primarily on the study and analysis of not only the English language, but also nonfiction literature, the majority being essays and speeches from some of America's and the world's most noteworthy authors. Due to the nature of the literature, this is a class where students will be forced to think on their own without the help of internet guides and published cliff note analyses. Students should expect an approximate average of

one hour of homework per night and preparation will be major components of their quarter grades. Additionally, all students are required to take the end of year AP examinations, which have a fee. That fee was \$80.00 in 2014-2015 (financial assistance is available.)

The primary goal of the AP Language & Composition course at Coe-Brown Northwood Academy is to help students develop their abilities as readers and writers by offering a college level course during their junior year. This course follows the curricular requirements delineated by College Board's *AP Course Description*. If the students successfully complete the AP examination in May they could be eligible for up to one year's credit in English depending on individual college policies. Texts will include *Everything's an Argument*, *The River Side Reader*, as well as various pieces of American Literature and nonfiction texts. Students will closely read challenging works of poetry and prose and will focus their writing on the three forms found on the AP exam; rhetorical analysis, argumentative essay, and synthesis essay.

**COURSE TITLE: English 11 (General) (321)** **GRADE: 11**  
PREREQUISITE: English 10 or with permission of the Dean. 1 credit  
COURSE DESCRIPTION: This course will focus on reading comprehension, grammar, vocabulary, communication, and writing skills. Students will critically study three to five novels, nonfiction books or plays, and a broad collection of short stories. Students will also write analytical essay, prepare for state testing, give presentations, and will complete several projects. Texts include: *American Literature for Life and Work*, *Hamlet*, *Fences*, and *Intro Thin Air*, as well as poems, short stories, films and plays.

**COURSE TITLE: English 11 (CP) (322)** **GRADE: 11**  
PREREQUISITE: English 10 CP or with permission of the Dean 1 credit  
COURSE DESCRIPTION: This course is designed for the college bound student as a survey of American Literature from the 17<sup>th</sup> Century to the present. Students are required to write several critical analysis papers, write poetry analyses, design literature-based projects and participate in class discussion. In addition, students will give speeches and presentations in class. Texts include MacMillan's American Literature Series as well as various novels, plays, poetry and short stories.

**COURSE TITLE: English 11 (Honors) (323)** **GRADE: 11**  
PREREQUISITE: 88% average in English 10 Honors, or 1 credit  
all A's in English 10 CP or an A average and all 1's & 2's in  
effort and conduct in English 10 CP or with permission of the Dean  
COURSE DESCRIPTION: This course is an intensified study of American Literature from the late 17<sup>th</sup> Century to the present. Students must be motivated workers ready to complete several analysis papers, projects, a poetry book, and advanced readings. Critical thinking skills, analysis, and advanced vocabulary will also be the focus of this course. Students should expect to be writing a three to five page analysis paper every two weeks and be reading approximately 15-30 pages per night. By registering for Honors American Literature, a student has made the commitment to be hardworking, analytical and insightful.

**COURSE TITLE: American Studies (CP) (324 & 350)** **GRADE: 11**  
PREREQUISITE: English 10 CP or with permission of the Dean 2 credits  
Fulfills Junior English and History requirement  
COURSE DESCRIPTION: The American Studies class is a college preparatory course with a broad, encompassing and integrated view of American culture and society beginning with American origins in colonization and continuing through to the present day. This is a TWO credit course – one

credit for CP US History and one credit for CP American Literature Grade 11. Students in this course are scheduled for two periods per day to satisfy these requirements. Two faculty members teach the course – one from the History department and one from the English department in an integrated, interdisciplinary manner.

There is a strong focus on project-orientated assignments in this course, with a major written assignment or project that will involve research and extensive analysis and written work due during each quarter. In addition, there will be traditional means of assessment such as tests, quizzes and exams.

Within each unit we discuss themes and questions that recur throughout our American experience. Questions such as what is the “American Dream?; What is the nature of conflict and resolution?; What is reform?; Do individuals make a difference?; and What is an American? will be explored.

**COURSE TITLE: Foundations of Teaching (CP) (403)**

**GRADE: 12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: The purpose of this course is to offer an introduction to students considering teaching as a career. The goal is to develop an in-depth understanding of the requirements, responsibilities, methods and challenges of professional educators. Students will experience a curriculum packed with speakers, activities and discussion. Students will also examine through reading, research and film viewing: student issues, learner diversity, special education, the history of education, and technology in education. Finally, the class will culminate in students conducting classroom observations, then developing and teaching a mini-lesson.

**COURSE TITLE: Heroes and Villains in Literature (General) (420)**

**GRADE: 12**

PREREQUISITE: English 11 or with permission of the Dean.

½ credit

Fulfills Half of the Senior English Requirement

COURSE DESCRIPTION: Using many texts previously taught in English 12 general classes, this course would focus on the stories that feature a variety of heroes and villains. Some have flaws and vulnerabilities; some succeed and some fail, but the characters are always complex and provide ample opportunity for analysis and discussion of their motivations, ethics and humanity.

**COURSE TITLE: Adventure in the Great Outdoors (General) (421)**

**GRADE: 12**

PREREQUISITE: English 11 or with permission of the Dean.

½ credit

Fulfills Half of the Senior English Requirement

COURSE DESCRIPTION: Taking some texts that have previously been taught at the English 12 General level combined with new titles, this class would explore the thrills, danger, risk, reward and unique version of society that is formed when people are isolated, trapped, or otherwise choose to spend time in the outdoors. Whether it be mountaintops, desert, tropical islands, Alaska or the Appalachian trail, these titles allow the reader to put themselves in foreign settings, meet unusual characters and decide how they would measure up personally under these circumstances. The majority of works read fall under the non-fiction category, adding to the level of realism for the readers.

**COURSE TITLE: Literature of the Dystopian Future (General) (422)**

**GRADE: 12**

PREREQUISITE: English 11 or with permission of the Dean.

½ credit

Fulfills Half of the Senior English Requirement

COURSE DESCRIPTION: This literature class will involve reading dystopian novels, which focus on the possible problems of a future society troubled by restrictions on citizens, displaced characters, changing environment or attacking zombies. Work for the class will be organized into thematic

units, with the literature providing students opportunities for asking big-scale life questions, along with plenty of adventure and danger to keep the reading exciting.

**COURSE TITLE: Science Fiction and Fantasy (General) (423)**

**GRADE: 12**

PREREQUISITE: English 11 or with permission of the Dean.

½ credit

Fulfills half of the Senior English Requirement

**COURSE DESCRIPTION:** Boldly go where no student has gone before: the outer reaches of space, the inner turmoil of humanity, and the deepest workings of science fiction and fantasy. You will explore and discover science fiction as you travel through time, space, and other realms. The first quarter will focus on science fiction, reading short works and novels that are based in science and considered “hard” sci-fi. This includes time travel, technology at its best, and intergalactic adventure full of danger. From science to fantasy, our adventure explores Grimm’s Fairy Tales and travels to lands of Wizards and magic where heroes must conquer the unknown. Each of the units will consist of reading one novel, some shorter works, and media related to the readings. Standard components of English classes such as improving skills in reading, writing, vocabulary, grammar, listening, speaking, and critical thinking are also part of the lessons and activities.

**COURSE TITLE: English 12 (CP) (425)**

**GRADE: 12**

PREREQUISITE: English 11CP or with permission of the Dean

1 credit

**COURSE DESCRIPTION:** This class is a traditional Survey of British Literature, which completes the literature series in grades 10 (World Literature) and 11 (American Literature). The text is supplemented with other novels, poetry and plays, including *Macbeth*, *Frankenstein*, *Brave New World* and others. Students are expected to write short and long analysis papers, complete outside reading, recite passage memorizations, and continue with vocabulary and grammar study. This class is preparatory for a four-year college program, and requires note taking, homework and outside reading and writing.

**COURSE TITLE: English 12 (Honors) (426)**

**GRADE: 12**

PREREQUISITE: 88% average in English 10 Honors or all A’s in English II CP  
or an A average and all 1’s & 2’s in effort and conduct in  
English 11 CP with permission of the Dean

1 credit

**COURSE DESCRIPTION:** This course, designed to complement English 11 Honors, will help students develop critical reading and writing skills to become self-sufficient thinkers. The work, though demanding, may be successfully completed by motivated students. Texts will include Norton Anthology of English Literature, *Adventures in English Literature*, and other aids. *Macbeth*, *Beowulf*, *Brave New World*, *Frankenstein*, and other stories, plays and novels will be required for class. Students are expected to write several analytical short papers and one long paper, as well as complete outside reading, recite passage memorizations, some creative writing, and complete advanced vocabulary and grammar study. Students in the Honors class may elect to take to AP examination in May. The AP exam fee is approximately \$90.00.

**COURSE TITLE: English AP Literature and Composition (427)**

**GRADE: 12**

PREREQUISITE: All A’s in English 11 Honors or 88 average in

1 credit

AP Language and Composition or with permission of the Dean.

**COURSE DESCRIPTION:** The primary goal of the senior Advanced Placement course at Coe-Brown Northwood Academy is to help students develop their abilities as readers and writers (especially as critics of literature) by offering a college level course during the senior year. If the students successfully complete the AP examination in May, they could be eligible for up to one year’s credit in English depending on individual college policies. Texts will include classic novels and plays of literary merit including, *Oedipus Rex*, *Beowulf*, *Hamlet*, *The Remains of the Day*, and *The Invisible Man*. In addition, students will read works of several distinguished poets. Students will develop both their skill at close reading and their ability to analyze and write critically about literature. Students will be required to participate fully in class discussions. Additionally, all students are required to take the end of the year AP examinations, which have a fee. The AP exam fee is approximately \$90.00.

## DIVISION OF HUMANITIES

### WORLD LANGUAGES CURRICULUM

The World Language Department offers a range of courses in French, Latin and Spanish to prepare students for college, employment, and world travel. Each language requires students to speak, read and write in their chosen language. All classes open doors to other cultures and countries to encourage students to become successful citizens of the world. All three languages offer college preparatory level classes. In addition, Spanish students may earn entrance into honors or AP courses; French students may earn entrance into honors classes.

**COURSE TITLE: Mandarin Chinese (General)(120)**

**GRADES: 9-12**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: The One World Language School Mandarin Chinese course for Coe-Brown students is designed to give students an introduction to the Chinese Language and culture.

In addition to learning to speak and understand Chinese, students also will be introduced to the written language. The 14-week course will cover 3 units of material with an emphasis on practical communication skills for traveling to and around China. Students will engage in contextual games and simulations. The course will end with a culminating class project. Active participation in class is expected.

The cost for the course is \$275. Costs for books and materials are not included. Financial assistance and payment plans are available. Class meets once a week after school.

**COURSE TITLE: French I (CP) (121)**

**GRADES: 9-12**

PREREQUISITE: None

Group II Elective

1 credit

COURSE DESCRIPTION: French I is designed to give students an introduction to both the French language and culture. A balanced approach to language learning is provided by encompassing the four goals of language learning: listening, speaking, reading and writing. Active participation in class is expected.

**COURSE TITLE: Spanish I (CP) (122)**

**GRADES: 9-12**

PREREQUISITE: None

Group II Elective

1 credit

COURSE DESCRIPTION: Spanish I is designed to give students an introduction to both the Spanish language and culture. A balanced approach to language learning is provided by encompassing the four goals of language learning: listening, speaking, reading and writing. Active participation in class is expected.

**COURSE TITLE: Latin I (CP) (123)**

**GRADES: 9-12**

PREREQUISITE: None

Group II Elective

1 credit

COURSE DESCRIPTION: Latin I is designed to give students an introduction to both the Latin language and culture. A balanced approach to language learning is provided through inductive reasoning, with understanding of readings placed ahead of stereotyped rules. The etymology of words is explored for its helpfulness in terms of memory and as a way to improve language skills in English. The textbook, Ecce Romani I will be used along with supplemental readings.

**COURSE TITLE: Russian I (CP) (124)**

PREREQUISITE: None

**GRADES: 9-12**Group II Elective  
1 credit

COURSE DESCRIPTION: Introduction to Russian Language and Culture will provide students with a conversational fluency in the Russian language. Students will focus on reading, writing, listening, and speaking. Students will also interact with the prominent themes of Russian culture, including food, music, literature and popular traditions. Students will listen to music, watch subtitled films, read Russian stories in translation, and feast on traditional Russian food. This is a one year only experience in Russian.

**COURSE TITLE: Russian II (CP) (219)**

PREREQUISITE: Russian I with 80% average

**GRADES: 10-12**Group II Elective  
1 credit

COURSE DESCRIPTION: Russian II will be a multi-level class of brand new first year Russian students and students who are continuing their Russian students from last year. Russian is a modern language that is very important historically and at the present time. There are a great number of Russian speakers in the world, and many of them are found in the United States. Russian is an incredibly useful, and yet academically demanding language. This course will focus on grammar, vocabulary, and culture.

**COURSE TITLE: Spanish II (CP) (225)**

PREREQUISITE: 80% average in Spanish I or with permission of the Dean

**GRADES: 10-12**Group II Elective  
1 credit

COURSE DESCRIPTION: Spanish II is designed to expand the student's knowledge of the Spanish language and culture by reinforcing and continuing to develop basic communicative skills in speaking, listening, reading and writing. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.

**COURSE TITLE: Spanish II (Honors) (226)**

PREREQUISITE: 93% average in Spanish I or with permission of the Dean

**GRADES: 10-12**Group II Elective  
1 credit

COURSE DESCRIPTION: This course is designed to further the student's knowledge of the Spanish language and culture. The goal is for students to improve in areas of listening with comprehension, speaking, reading and writing. Students will be able to use short sentences, learned words and phrases and simple questions and commands. These goals are achieved with the use of the text Realidades-Level 2, as well as with supplementary materials which accompany the book and those deemed appropriate by the instructor.

**COURSE TITLE: French II (CP) (227)**

PREREQUISITE: 80% average in French I or with permission of the Dean

**GRADES: 10-12**Group II Elective  
1 credit

COURSE DESCRIPTION: French II is designed to expand the student's knowledge of the French language and culture by reinforcing and continuing to develop basic communicative skills in speaking, listening, reading and writing. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.

**COURSE TITLE: Latin II (CP) (228)****GRADES: 10-12**

PREREQUISITE: 80% average in Latin I or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: Latin II is designed to further the student's knowledge of the Latin language and culture. Students continue to learn about the Romans through their readings, research, class discussions, and activities. The textbook, Ecce Romani, is a continuation of the series begun in Latin I.

**COURSE TITLE: French II (Honors) (233)****GRADES: 10-12**

PREREQUISITE: 93% average in French I or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: This course is designed to further the students' knowledge of the French language and culture by reinforcing and continuing to develop basic communicative skills in speaking, listening, reading and writing. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.

**COURSE TITLE: French III (CP) (325)****GRADES: 11-12**PREREQUISITE: 88% average in French II Honors or with permission  
of the DeanGroup II Elective  
1 credit

COURSE DESCRIPTION: French III is designed to expand the student's knowledge of the French language and culture by emphasizing verbal fluency and fostering a deeper understanding of French culture through in-depth investigation of cultural themes. Students will build upon their acquired communicative skills in speaking, listening, reading and writing through continued emphasis of situational dialogues employing a broad range of grammatical structures. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.

**COURSE TITLE: Spanish III (CP) (326)****GRADES: 11-12**

PREREQUISITE: 80% average in Spanish II or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: Spanish III is designed to expand the student's knowledge of the Spanish language, emphasizing verbal fluency. Students develop a deeper understanding of Spanish culture through in-depth investigation of cultural themes. Building on their acquired skills, students will advance in speaking, listening, reading and writing through continued emphasis of situational dialogues that employ a broad range of grammatical structures. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.

**COURSE TITLE: Spanish III (Honors) (327)****GRADES: 11-12**PREREQUISITE: 88% average in Spanish II Honors or with permission  
of the DeanGroup II Elective  
1 credit

COURSE DESCRIPTION: This course is designed for the student who wants to become truly proficient in the Spanish language, and it will be conducted exclusively in the target language. Oral participation and daily preparation are extremely important as students strive to enhance their reading comprehension, listening, speaking and writing skills. Students will participate in and create additional communicative activities based on the unit topics which require target language research.

**COURSE TITLE: French III (Honors) (328)****GRADES: 11-12**PREREQUISITE: 93% average in French II CP or with permission of the Dean Group II Elective  
1 credit

COURSE DESCRIPTION: French III is designed to continue the development of students' communication skills in the French language and to further explore many aspects of the Francophone culture. A balanced approach to language learning is provided by encompassing each of the five primary goals of communication: listening, speaking, reading, writing and observing. The pace of this class is faster than the CP level French III, and will therefore cover more material. A variety of resource materials is used to enhance students learning. Active participation in all activities is expected.

**COURSE TITLE: Latin III (CP) (329)****GRADES: 11-12**PREREQUISITE: 80% average in Latin II or with permission of the Dean Group II Elective  
1 credit

COURSE DESCRIPTION: In Latin III students begin to read unedited writings of the Romans themselves such as Caesar, Ovid, Livy, Cicero. Although primarily a reading based course, students continue to deepen their understanding of the classical world through projects, skits, discussions, and videos.

**COURSE TITLE: Spanish IV (CP) (410)****GRADES: 12**PREREQUISITE: 80% average in Spanish III or with permission of the Dean Group II Elective  
1 credit

COURSE DESCRIPTION: This course is designed to expand the student's knowledge of Spanish language and culture by emphasizing verbal fluency and fostering a rich understanding of Spanish culture. Students will continue increasing their proficiency in speaking, listening, reading and writing through strong emphasis of situational dialogues and oral presentations and discussions. A variety of resource materials will be used to enhance students' learning, and active participation in all classroom activities is expected.

**COURSE TITLE: AP Spanish Language (412)****GRADES: 12**PREREQUISITE: B average in Spanish IV or with permission of the Dean Group II Elective  
1 credit

COURSE DESCRIPTION: The AP Spanish Language course provides an opportunity for secondary school students to pursue a college-level course at the secondary school level. Emphasizing the use of Spanish for active communication, it encompasses aural/oral skills, reading comprehension, grammar, and composition. Special emphasis is placed on the use of authentic source materials and the integration of language skills. Additionally, all students are required to take the end of year AP examinations, which have a fee. **That fee is approximately \$90.00.**

**COURSE TITLE: French IV (Honors) (413)****GRADE: 12**PREREQUISITE: 88% average in French III Honors or with permission of the Dean Group II Elective  
1 credit

COURSE DESCRIPTION: French IV is conducted entirely in French as students expand their fluency in French and develop a deeper understanding of French culture. Students increase proficiency in speaking, listening, reading and writing through emphasis on situational dialogues, literary readings that employ a broad range of computer grammatical structures and through in-depth investigation of cultural themes. A variety of resource materials is used to enhance students' learning. Active participation in all classroom activities is expected.



**COURSE TITLE: Latin IV Honors (414)**

**GRADES: 12**

PREREQUISITE: 80% average in Latin III or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: In Latin IV is a tour de force of the Romans' Best literature. Students will read the most dramatic sections of Virgil's Aeneid, Cicero's most sarcastic speeches, and Catullus' most romantic love poems. While students will continue to review grammar as needed, this is predominantly a reading course. Discussions of the readings will invariably include reflections on relevant culture and history.

**COURSE TITLE: AP Spanish Literature & Culture (415)**

**GRADE: 12**

PREREQUISITE: AP Spanish Language or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: The AP Spanish Literature and Culture course develops Spanish language proficiency and cultural understanding through careful reading and critical analysis of literature written in Spanish. The course explores fascinating Spanish, Latin-American, and U.S. Latino authors and their works from the medieval period to present day. Students make thematic connections through art, music, film, and history. Additionally, all students are required to take the end of year AP examinations, which have a fee. **The AP exam for is approximately \$90.00.**

**COURSE TITLE: French V (Honors) (416)**

**GRADE: 12**

PREREQUISITE: 88% average in French IV Honors or with permission of the Dean

Group II Elective  
1 credit

COURSE DESCRIPTION: French V is designed to give students the opportunity to continue to develop their fluency in reading, writing, listening, and speaking. They will do this through an in-depth look at some classic French authors, as well as more modern ones. The class will emphasize the breadth of francophone countries around the world. These goals will be achieved with the use of reading materials, films, and online resources.

**DIVISION OF LIFE SKILLS**

A variety of courses in Business and Computer Skills, Agricultural, Family & Consumer Studies, Vocational/Technical curriculum and Health and Physical Education are offered to prepare students for further schooling, the world of work, and life beyond high school. A well-equipped facility enables students to learn practical arts with hands-on experience. The curriculum is supported by programs in the FCCLA, FFA, and FBLA.

**BUSINESS AND COMPUTERS CURRICULUM**

**COURSE TITLE: Career & Technical Exploration (General) (009)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: This course allows students who will not have time to take the Career & Technical Education courses or want to know what they are about so they can still have the knowledge and skill base to survive in life. Possible units include (but are not limited to): Getting to know yourself better, family life, friendships, communication skills, citizenship & leadership skills, setting goals and decision making, exploring careers, job skill preparation, CTSO's, money management, your environment, living space, clothing choices, nutrition & wellness, health & fitness, learning to cook, and financial literacy problem-solving activities.

**COURSE TITLE: Business in a Nutshell (General) (010)** **GRADE: 9**  
PREREQUISITE: None  $\frac{1}{4}$  credit  
COURSE DESCRIPTION: This course introduces students to the world of business either for knowledge on how a business functions or for everyday life. The student will find out if business is right for them as an occupation and this course will help them to be a better consumer. The course includes, but is not limited to: accounting, marketing, entrepreneurship, business math, business English, business communications, business law, advanced technology skills integration, FBLA (leadership skills), etc.

**COURSE TITLE: Keyboarding (General) (015)** **GRADE: 9**  
PREREQUISITE: None  $\frac{1}{4}$  credit  
COURSE DESCRIPTION: This class is devoted primarily to the alphabetic, numeric, and basic symbol keyboarding skills by the TOUCH method. Centering, business and personal letters, as well as grammar skills will be practiced. Speed and accuracy on the keyboard is emphasized with proofreading skills. Proper English skills and rules are part of curriculum.

**COURSE TITLE: Computer Literacy (General) (181)** **GRADES: 9-12**  
PREREQUISITE: None  $\frac{1}{2}$  credit  
Fulfills Freshman Requirement  
COURSE DESCRIPTION: This course is designed to provide each student with an understanding of computer hardware and software terminology, software applications, and the actual use of microcomputers (PC's). Students will learn how to use the following software: Microsoft windows operating system; word processing, spreadsheet, database, and presentation graphics software; and other general purpose programs. HTML will be used as an introduction to programming. Students will explore the history of computers and the impact of computers and technology on business, government, and individuals. The class will be held in the computer laboratory where each student will also learn the proper care and operation of personal computers.

**COURSE TITLE: Computer Literacy (CP) (182)** **GRADES: 9-12**  
PREREQUISITE: English 9 CP or with permission of the Dean  $\frac{1}{2}$  credit  
Fulfills Freshman Requirement  
COURSE DESCRIPTION: This course is designed to provide each student with an understanding of computer hardware and software terminology, software applications, and the actual use of microcomputers (PC's). Students will learn how to use the following software: Microsoft windows operating system; word processing, spreadsheet, database, and presentation graphics software; and other general purpose programs. HTML will be used as an introduction to programming. Students will explore the history of computers and the impact of computers and technology on business, government, and individuals. The class will be held in the computer laboratory where each student will also learn the proper care and operation of personal computers. This class will run at a faster pace and is designed for students with above average ability.

**COURSE TITLE: Keyboarding (General) (183)** **GRADES: 9-12**  
PREREQUISITE: None Group III Elective  $\frac{1}{2}$  credit  
COURSE DESCRIPTION: Keyboarding is devoted primarily to the alphabetic, numeric, and basic symbol keyboarding skills by the TOUCH method. Centering, business and personal letters, as well as grammar skills will be practiced. Speed and accuracy on the keyboard is emphasized with proofreading skills. Proper English skills and rules are part of curriculum.

**COURSE TITLE: Introduction to Business (General) (185)**  
PREREQUISITE: None

**GRADES: 9-10**  
Group III Elective  
½ credit

**COURSE DESCRIPTION:** This course introduces students to the world of business either for knowledge on how a business functions or for everyday life. The student will find out if business is right for them as an occupation and this course will help them to be a better consumer.

**COURSE TITLE: Marketing/E-Commerce (General) (266)**  
PREREQUISITE: None

**GRADES: 10-12**  
Group III Elective

**REQUIREMENT FULFILLED:** Economics (in conjunction with Entrepreneurship) ½ credit  
**COURSE DESCRIPTION:** This course will prepare students for many facets of life in business. Students will learn the role of three bodies: the government, businesses, and consumers, in our economy. Students will learn personal skills such as communications, human relations, ethics, social responsibilities and management. Students will have hands-on experience and gain knowledge about marketing concepts, e-commerce, computer technology, mathematics, management. Use of a computer laboratory is an essential as part of the course. Lab Fee: \$20 which includes Consumer Reports and extra class materials.

**COURSE TITLE: Law and You (CP) (267)**

**GRADES: 10-12**  
Group III Elective

PREREQUISITE: None - Must pass all competencies to move on to Criminal Justice course and get an “80” or better to advance ½ credit  
**COURSE DESCRIPTION:** This course will show that law is a force in everyone’s life. It will acquaint you with the law as it relates to both business and personal activities. Problem-solving activities will be emphasized to help in the decision-making process. Careers in law will also be explored. A mock trial proceeding will occur at the end of the semester on a major case study. Current law proceedings will be analyzed and researched.

**COURSE TITLE: Criminal Justice (CP) (268)**

**GRADES: 10-12**  
Group III Elective

PREREQUISITE: 80 average in Law & You or with permission of the Dean. ½ credit  
**COURSE DESCRIPTION:** The theme is built on the ideals of the American criminal justice system to achieve a just and orderly society in which people are free to pursue personal interests while remaining safe and secure. Careers in law will be explored. A moot court proceeding will occur in the middle and at the end of the semester on a major case study. Current law proceedings will be analyzed and researched. This class is for students serious about law as a career.

**COURSE TITLE: Intro to Animation with Adobe (CP) (282)**

**GRADES: 10-12**  
Group III Elective

PREREQUISITE: C average in Computer Literacy or with permission of the Dean. ½ credit  
**COURSE DESCRIPTION:** This class covers an introduction to 2D computer animation and interactive web page design. Students will use Adobe Flash software, the leading authoring software for creating interactive animation for the web. Students will learn the basics of the FLASH editor including using drawing tools, the timeline, frame by frame animation, working with layers, and motion and shape tweaking. The course will be project based and students will develop working animations and participate in major projects demonstrating interactive web sites.

**COURSE TITLE: Intro to Graphic Design (CP) (283)****GRADES: 10-12**PREREQUISITE: C average in Computer Literacy or  
with permission of the Dean.Group III Elective  
½ credit

COURSE DESCRIPTION: This course will introduce students to graphic design and layout considerations for various production media. Students will study design principles including color theory, line, texture, pattern, balance, and space. Students will be introduced to computer graphics creation using Adobe Photoshop, the industry standard graphics software. Digital cameras and scanners will be discussed and may also be used as resources. This is a project based course with students developing new skills with a portfolio of tutorial based drawings. They will then apply these new skills and their own creativity to produce original creations.

**COURSE TITLE: Intro to Computer Programming (CP) (284)****GRADES: 10-12**

PREREQUISITE: 80% average in Algebra I or with permission of the Dean.

Group III Elective  
½ credit

COURSE DESCRIPTION: This course is designed to provide each student with an introduction to computer programming. Students will explore the history of computer programming and gain an understanding of hardware and software related to computer programming. The course will emphasize problem solving, design and programming as the core skills. The programming language Python will be used to allow students to focus on program design and not “language” details. Pygame, a set of Python modules designed for writing games, will also be used. Pygame will allow students to create fully featured games and multimedia programs in the Python language.

**COURSE TITLE: Web Page Design (CP) (285)****GRADES: 10-12**PREREQUISITE: C average in Computer Literacy or  
with permission of the Dean.Group III Elective  
½ credit

COURSE DESCRIPTION: This course is an introduction to web page design. In the first part of the course you will learn the structure and syntax of HTML and the basic tags required to create an HTML document. The course also covers formatting text, incorporating graphics, adding interactive forms, creating tables, advanced web page structuring. In the second part of the course you will use the leading WYSIWYG web page editor, Dreamweaver to quickly create state of the art web sites. Students will develop a small portfolio of textbook generated web sites. Familiarity and experience with the World Wide Web is assumed.

**COURSE TITLE: Accounting & Finance Reporting I (CP) (380)****GRADES: 11-12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: This course introduces the student to the principles and practices of accounting and its relationship to the business world. As much of the business cycle is covered as possible considering it only runs for one semester. Students will be introduced to special journals and subsidiary ledgers. A simulated practice set will be completed if time permits. Much of this class will be conducted through the use of computer programs and simulations.

**COURSE TITLE: Entrepreneurship (CP) (384)****GRADES: 11-12**

PREREQUISITE: None

Group III Elective

REQUIREMENT FULFILLED: Economics (in conjunction with Marketing)

½ credit

COURSE DESCRIPTION: This course is a step-by-step journey through the entire process of owning your own business. From creative thinking/problem-solving and designing a product or service to selling, handling customers, marketing your business, obtaining financing, managing employees, and increasing your business skills for success. This is a capstone course for all business majors; therefore, it would be helpful to have taken a few business courses beforehand. This course

follows the BizInnovator online curriculum through the University of Iowa and grants 3 college credits for those students who want to pay \$150, take the final exam online, and get a 70% or better on the exam and in the course. You do not have to prepay the \$150; it is only due once you pass the final exam and if you want the college credits.

## DIVISION OF LIFE SKILLS

### FAMILY AND CONSUMER STUDIES CURRICULUM

Self-sustainability! F&CS courses are designed to enable you to take excellent care of yourself! Foods, nutrition, clothing, housing, personal finance and economics, textiles and relationships! All courses are designed with you in mind!

**COURSE TITLE: Child Development (General) (260)**

**GRADES: 10-12**

PREREQUISITE: None

Group III Elective

½ credit

**COURSE DESCRIPTION:** The responsibility of having children requires knowledge about the many stages of child development. Whether you are a parent or operating a child care facility, you need to know the nutritional and physical needs of children. In addition, this course covers the emotional changes of growing children and the selection of educational opportunities that assist a child in his/her development. FCCLA membership is recommended. Adult/infant/child CPR/AED certification is offered.

**COURSE TITLE: Textiles & Fashion Technologies (General) (263)**

**GRADES: 10-12**

PREREQUISITE: None

Group III Elective

½ credit

**COURSE DESCRIPTION:** This course addresses knowledge and skills related to design, production, acquisition, and distribution in the textiles and fashion areas. Topics may include exploration of the textile and fashion industries; elements of science and design in textiles and apparel; textile principles and applications; social, psychological, cultural and environment aspects of clothing and textiles selection; clothing and textile products for people with special needs; critical thinking applied to consumer options for fashion, textiles, and related equipment and tools; care and maintenance of textile products, equipment and tools; the impact of technology/construction and alteration skills, including global applications. Students are responsible for project costs. FCCLA membership is recommended.

**COURSE TITLE: Foods and Nutrition I (General) (264)**

**GRADES: 10-12**

PREREQUISITE: None

Group III Elective

½ credit

**COURSE DESCRIPTION:** The fundamentals of food are taught in this class, which include proper nutrition, kitchen safety and sanitation, food preparation, basic cooking methods, equipment, and vocabulary. Students will create foods from each of the food groups and learn practical ways to incorporate nutritious foods into their diet. There will be regular food labs, guest speakers, demonstrations, and creative projects! Students interested in improving their cooking skills, interested in nutrition, or would like to pursue a career in the food industry will benefit from this course. FCCLA membership is recommended.

**COURSE TITLE: Foods and Nutrition II (General) (265)** **GRADES: 10-12**  
**PREREQUISITE:** Grade of C or better and 1's & 2's in effort and conduct in Foods and Nutrition I or permission of the Dean. Group III Elective  
1/2 credit  
**COURSE DESCRIPTION:** Once you have the basics, come learn about meal preparation for singles and families, ethnic foods, baking, food careers, and much more. In Foods and Nutrition II, students will enjoy interesting guest speakers, food labs, vocabulary, and learning about the ever-growing food industry. Students interested in a career in foods or nutrition or would like the tools to prepare wholesome meals for their family would benefit from this class. FCCLA membership is recommended

**COURSE TITLE: Culinary Arts I (General) (381)** **GRADES: 11-12**  
**PREREQUISITE:** C or better in Foods and Nutrition I and II or permission of the Dean. 1/2 credit  
**COURSE DESCRIPTION:** Want to go on to a career in the foods and nutrition industry, like Culinary Arts or Restaurant Management? This course is for you! We will explore the world of Culinary Arts by creating nutritious and creative meals, experimenting with recipes, examining the endless options within the foods industry, and preparing food for various occasions. In Culinary Arts, students will enjoy interesting guest speakers, food labs, vocabulary, and learning about the ever-growing food industry! Students interested in a career in the food industry would benefit from this class – no artistic ability required! FCCLA membership is recommended.

**COURSE TITLE: Family Relations (General) (383)** **GRADES: 11-12**  
**PREREQUISITE:** None Group III Elective  
1/2 credit  
**COURSE DESCRIPTION:** Students will delve into the building blocks of healthy, stable relationships with family, friends, teachers, peers, future spouses, etc. There will be opportunity to examine current and past relationships and apply knowledge to their own situations. Topics may include planning for the future, adult responsibilities, sexuality, family values and current lifestyles, communication skills, leadership, consumerism, social responsibilities, and survival in today's society. Students interested in Family Studies, Social Work, Psychology/Sociology, or anyone who would like to develop positive, strong relationships in their lives will benefit from this course. FCCLA membership is recommended.

**COURSE TITLE: Early Childhood Education (General) (385)** **GRADES: 11-12**  
**PREREQUISITE:** Child Development with a C or better and 1's & 2's in effort and conduct or with permission of the Dean. Group III Elective  
1/2 credit  
**COURSE DESCRIPTION:** Well-trained early childhood professionals are in great demand in almost all parts of the United States as more parents rely on these caregivers to provide nurturance and guidance to their infants and toddlers. This course will take the skills and knowledge acquired in the Child Development class and focus on the role of childhood professionals. This course is recommended for anyone interested in early childhood education or careers working with children. FCCLA membership recommended.

## DIVISION OF LIFE SKILLS

### AGRICULTURAL EDUCATION CURRICULUM

The following courses are conducted in coordination with the State and National FFA Organization. Students will take part in leadership activities, contests and events carried out by the Coe-Brown Academy FFA Chapter. The completion of a Supervised Agricultural Experience Program also is required in order to practice skills learned in each class.

**COURSE TITLE: Agricultural Technology I (General) (190)**

PREREQUISITE: None

**GRADES: 9-10**

Group IV Elective  
½ credit

**COURSE DESCRIPTION:** This course is an introduction to the field of Horticulture and Natural Resources. All students enrolled will be actively involved in a variety of classroom and laboratory exercises designed to develop agricultural skills. The course will include units in: FFA and Leadership Skills/SAE, Soil Science, Landscaping, Natural Resources/Forestry, Greenhouse Management, and Fruit/Vegetable Production.

This course makes use of both indoor and outdoor laboratory experience whenever practical.

Students are expected to participate in leadership activities, contests and events carried out by the Coe-Brown FFA Chapter. Each student will also complete a Supervised Agricultural Experience Program in order to practice the skills learned in class. FFA membership is recommended.

**COURSE TITLE: Agricultural Technology II (General) (191)**

PREREQUISITE: None

**GRADES: 9-10**

Group IV Elective  
½ credit

**COURSE DESCRIPTION:** This course is an introduction to the field of Animal Science and Food Processing. All students enrolled will be actively involved in a variety of classroom and laboratory exercises designed to develop agricultural skills. The course will include units in: FFA and Leadership Skills/SAE, Dairy Science and Dairy Foods, Livestock Production, Poultry Production, Specialty Animal Production, Ag. Sales and Service, Animal Health and Ethics, Introduction to Vet. Science, and Food Science. This course makes use of both indoor and outdoor laboratory experience whenever practical. Students are expected to participate in leadership activities, contests and events carried out by the Coe-Brown FFA Chapter. Each student will also complete a Supervised Agricultural Experience Program in order to practice the skills learned in class. FFA membership is recommended.

**COURSE TITLE: Floral Design I (General) (280)**

PREREQUISITE: Agricultural Technology I or with permission of the Dean.

**GRADES: 10-12**

½ credit

**COURSE DESCRIPTION:** The purpose of this course is to introduce students to career areas in the floriculture and floral design industries. Concentration will focus on floriculture (the care and maintenance of cut flowers and foliage), basic floral design and shop management and maintenance. Each student will also complete a Supervised Agricultural Experience Program in order to practice and further develop skills learned in class. FFA membership is recommended.

**COURSE TITLE: Greenhouse Management (General) (281)**

PREREQUISITE: Agricultural Technology I or with permission of the Dean.

**GRADES: 10-12**

½ credit

**COURSE DESCRIPTION:** The purpose of this course is to introduce students to career areas in the horticultural industries with the focus on greenhouse management. Concentration will focus on bedding plant production, foliage plant production, plant nutrients, irrigation and other related areas.

Students are expected to participate in the care of the greenhouse which could involve afterschool time during the week and possible a weekend during the semester. Each student will also complete a Supervised Agricultural Experience Program in order to practice and further develop skills learned in class. FFA membership is recommended.

**COURSE TITLE: Landscaping (General) (287)** **GRADES: 10-12**  
**PREREQUISITE:** Agricultural Technology I or Group IV Elective  
with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed to provide students training in the development and management of residential and small commercial landscaped properties. Students successfully completing this program should be able to:

1. demonstrate skills in the design, installation, and maintenance of a residential design;
2. operate small scale landscaping equipment;
3. enter the landscaping industry at the job entry level;
4. operate a small scale landscaping business; and/or,
5. successfully pursue post-secondary education in the landscape or forestry professions.

All students will be expected to participate in outdoor-related landscaping laboratory exercises and plan and dress to work in weather and work conditions similar to the landscaping industry. FFA membership is recommended.

**COURSE TITLE: Animal Science I – Small Animal (General) (368)** **GRADES: 11-12**  
**PREREQUISITE:** Agricultural Technology II and Biology Group IV Elective  
or with permission of the Dean. ½ credit

**COURSE DESCRIPTION:** Students will develop a better understanding of the small animal care industry through the study of basic anatomy and physiology, breed identification, basic health and care, and other industry related aspects. Students considering the fields of small animal care such as grooming, veterinary technician, boarding, breeding, & training of dogs, cats, and other small animals may find this class an excellent introductory course. FFA membership is encouraged.

**COURSE TITLE: Animal Science II- Large Animal/Equine (Gen) (369)** **GRADES: 11-12**  
**PREREQUISITE:** Agricultural Technology II and Biology or with Group IV Elective  
permission of the Dean. ½ credit

**COURSE DESCRIPTION:** Students will develop a better understanding of the livestock and equine industry through the study of basic anatomy and physiology, breed identification, basic health and care, and other industry related aspects. Students considering the fields of large animal care such as horse training, veterinary technician, meat production, dairy production, poultry, production, and other related fields may find this course an excellent introductory course. FFA membership is encouraged.

**COURSE TITLE: Animal Science III- Intro. Veterinary Tech (Gen) (370)** **GRADES: 11-12**  
**PREREQUISITE:** Agricultural Technology II, Animal Science I or II Group IV Elective  
and Biology or permission of the Dean. ½ credit

**COURSE DESCRIPTION:** Students will develop a better understanding of the role and responsibilities of working as a veterinary technician. Students will learn about basic office procedures, lab work responsibilities, sanitation, and general care of animals. Students will learn about basic medical practices that this occupation is responsible for example TPR (Temperature, Pulse, Respiration), proper animal restraining techniques, shots, shaving, wrapping an injury as well as others. FFA membership is encouraged.



**COURSE TITLE: Natural Resources I (General) (391)**

**GRADES: 11-12**

PREREQUISITE: Agri. Technology I or with permission of the Dean.

Group IV Elective

1 credit

COURSE DESCRIPTION: Introductory course to managing our natural resources from an agricultural production point of view. All students will be participating in a series of instruction and projects to develop natural resource skills. Areas encompassed will be forestry, wildlife and fish management, outdoor recreation, water and soil management. Students will be assigned in groups to work on a variety of projects, which may include but are not limited to:

1. Boundary and Site Surveys
2. Judging Tree Growth and Quality
3. Wildlife and Recreation Development
4. Chainsaw Safety
5. Forest Mensuration and Silva culture
6. Soil and Water Evaluation
7. Concepts of Natural Resource Development

All students will be expected to be involved in extensive outdoor laboratory exercises under weather and work conditions typical to the forestry industry. Students are required to provide their own safety-toed boots. FFA membership is recommended.

**COURSE TITLE: Natural Resources II (General) (444)**

**GRADE: 12**

PREREQUISITE: Natural Resources I or with permission of the Dean

Group IV Elective

1 credit

COURSE DESCRIPTION: Advanced preparation for students interested in pursuing a career in Forestry, Fish and Wildlife Management, Waste Control, etc. Students will be involved in a great deal of labs and problem solving situations for example:

1. Forestry Plot Data Management
2. Wildlife Line Surveys
3. Woodlot Management
4. Wet Land Survey
5. Timber Cruising
6. Pollution Control
7. Maple Sugar Operations
8. Arboriculture basics, tree climbing

All students are expected to be involved in all indoor/outdoor activities and to provide their own class safety toed-boots and safety glasses. FFA membership is recommended.

## DIVISION OF LIFE SKILLS

### VOCATIONAL/TECHNICAL EDUCATION CURRICULUM

**MISSION:** To prepare students for entry-level work, post-secondary education, and/or a variety of career paths by means of course work, labs, and participation in Career & Technical Student Organization—CTSO's (FBLA, FCCLA, and FFA). **OUR PROMISE:** To promote teamwork, foster a sense of social responsibility, and give the opportunity to learn and grow in each of our individual areas of expertise. **REQUIREMENT:** Computer Literacy is our only required course but we recommend at least one more computer related course and many varied electives to help you build skills, knowledge, and find a career path that is right for you! Taking Entrepreneurship & Marketing together will fulfill the Economics requirement. Our courses are required if planning to be part of the CTSO's.

**COURSE TITLE: Woodworking IA (General) (288)**

**GRADES: 10-12**

**PREREQUISITE:** None

Group IV Elective  
½ credit

**COURSE DESCRIPTION:** Woodworking IA is a course designed to teach students the basics of woodworking. Students learn how to operate various woodworking machines, power tools and hand tools. Other units covered in this course include; safety issues, measurements, reading and sketching drawings, and identifying natural and synthetic wood products. Utilizing knowledge learned during this course a student will construct two quality projects by the end of the semester. Guidelines for projects are set by the instructor. A fee is charged for materials used.

**COURSE TITLE: Woodworking IB (General) (289)**

**GRADES: 10-12**

**PREREQUISITE:** Woodworking IA or with permission of the Dean

Group IV Elective  
½ credit

**COURSE DESCRIPTION:** Woodworking IB builds on the knowledge and skill students acquired from Woodworking IA. Students learn to identify and make the basic wood joints. Students spend lab time experimenting with various wood finishes. Other units covered in this course include; fasteners, moisture content, and career opportunities. Two quality projects are to be constructed by the end of the semester. Guidelines for the projects are set by the instructor. A fee is charged for materials used.

**COURSE TITLE: Basic Automotive (General) (290)**

**GRADES: 10-12**

**PREREQUISITE:** None

Group IV Elective  
½ credit

**COURSE DESCRIPTION:** This class is designed for any student who knows virtually nothing about automotives, as well as for the student considering a career in this, or a related field. As a basic class, we will focus of how car systems work and how cars are serviced. Interior and exterior surface care and maintenance will be discussed and we will work on performing these procedures in the workshop. We will look at how one would purchase the correct parts, such as lubricants and tires, and common sources to use and also what to avoid. Buying a used car is also covered. Removal and dismantling of major components such as engines and transmissions are beyond the scope of this class, but available to students meeting prerequisites in an advanced "capstone" class in their senior year.

**COURSE TITLE: AutoCAD & Inventor 3D Design (CP) (291)**

PREREQUISITE: Algebra I and Geometry

**GRADES: 10-11**Group IV Elective  
1 credit

**COURSE DESCRIPTION:** This class will introduce students to the field of drafting with computers. Using AutoCAD, students will learn the basics of computer aided drafting. The course will then move into Autodesk Inventor, a 3-D design software that uses parametric solid modeling. Students will learn basic modeling and design concepts. Students will create basic 2D sketches as the foundation for creating 3D part model and assemblies. They will also learn how to add sketched features and other complex features to existing part models. They will also learn to combine parts into assemblies and create presentations and drawings from their models.

**COURSE TITLE: Construction (General) (293)**

PREREQUISITE: None

**GRADES: 10-12**Group IV Elective  
½ credit

**COURSE DESCRIPTION:** This is an exploratory experiential, hands-on class in residential construction. There is an emphasis on safe working practices. Students will be working on a variety of projects including: building sheds on campus; renovating existing buildings; siding; roofing and mass production projects (such as building Adirondack chairs). Students will learn the correct and safe use of the tools and building methods used in this trade.

**COURSE TITLE: Power and Energy (294)**

PREREQUISITE: None

**GRADES: 10-12**Group IV Elective  
½ credit

**COURSE DESCRIPTION:** In Power and Energy we will study about the production, transmission and use of power. The two main fields of power use and production that we come into contact with are transportation, and in residential and commercial energy production and use. In both areas resources, current trends and environmental impacts will be included. In the area of internal combustion engines we will learn the theory of operation and the piston driven internal mechanics. This will involve the use of classroom lectures and demonstrations, visual media, and dismantling, measuring, examining and reassembling a small engine. Also basic troubleshooting and seasonal repair and maintenance will be discussed. Other power sources will include: Hybrid cars, Fuel cell vehicles, Electric cars, Rotary engines, Diesel engines and Jet engines. In electricity, the major LAB component is learning to wire 110 volt circuits, similar to those in a home. Discussions on the production of electricity will include: fossil fuel, wood, atomic energy, solar and wind; Aside from the production and use, electric power transmission will be included. Other areas covered will be: solar heating, photovoltaic power, geothermal heating and cooling. Evolving technologies in transportation will be discussed, including: hybrid power, fuel cell cars, electric cars, and principles of jet propulsion.

**COURSE TITLE: Creative Mobile Apps with App Inventor (CP) (295)**PREREQUISITE: Computer Literacy and Algebra I, Grade C or better,  
or with permission of the Dean.**GRADES: 10-12**

½ credit

**COURSE DESCRIPTION:** This course teaches how to create apps for mobile devices as a way for students to learn big ideas of computer science, engineering, and entrepreneurship and explore technology's impact on society. Applications include games, quizzes, electronic voting, location-aware apps, social networking, and apps that communicate with web services. All apps will be created for use on android devices using App Inventor, a visual programming environment that does not require previous programming experience. The course culminates in a project where students design and implement their own new mobile apps.

**COURSE TITLE: Architecture (CP) (393)**

PREREQUISITE: None

**GRADES: 11-12**Group IV Elective  
1 credit

COURSE DESCRIPTION: The Art and Science of Designing Building. Through Reading the Text, Reading and reporting on various areas of Architecture and using a variety of architectural drawing practices students will learn the three elements of architecture: sensitivity to design; technical drawing skills; and knowledge of building materials. Students learn free-hand sketch, classic board and T-square drawing methodologies, and also learn to use state-of-the-art computer aided drafting (AutoCAD), culminating in the opportunity to use these skills in designing a building of their choice.

**COURSE TITLE: Welding I (General) (394)**

PREREQUISITE: None

**GRADES: 11 & 12**Group IV Elective  
½ credit

COURSE REQUIREMENT: Work Boots

COURSE DESCRIPTION: Welding is used in a lot of different industries such as automotive, fabrication and construction. In Welding I students will learn the basics in Arc Welding and Mig Welding. Safety, welding positions, basic welding joints and welding beads will be taught as well as metal identifications and the different ways to cut metal. Students wearing contact lens will need to speak with the instructor prior to enrolling due to safety concerns.

**COURSE TITLE: Welding II (General) (395)**

PREREQUISITE: Grade of C or better in Welding I &amp; 2 or better

**GRADES: 11-12**Group IV Elective  
½ credit

for effort &amp; conduct, or with permission of the Dean.

COURSE REQUIREMENT: Work Boots

COURSE DESCRIPTION: Along with a brief review of Welding I students will be taught more advanced welding procedures. In this more advanced class, different career and educational opportunities will be explored. Students will be taken on a field trip to a location where welding is used daily in a professional manner. This course will be largely hands on and project based. A fee is charged for materials used.

**COURSE TITLE: Capstone Shop (General) (445)**PREREQUISITE: C average in both Basic Automotives and Welding I and  
effort and conduct grades of 2 or higher in Welding I,  
or with permission of the Dean.**GRADE: 12**Group IV Elective  
1 credit

COURSE REQUIREMENT: Work Boots

COURSE DESCRIPTION: After students have completed Welding and Automotives, they may wish to take a class, which will both expand their knowledge base in these areas, as well as provide additional time to work on more in-depth projects in the workshop. Career options will be considered in the above mentioned fields, and each student will investigate educational and employment opportunities using: in-class resources, guidance department resources, field trips, library research and online publications, such as The Occupational Outlook Handbook. Work boots are required.

## DIVISION OF LIFE SKILLS

### **HEALTH AND PHYSICAL EDUCATION CURRICULUM**

Physical Education is an educational course. Physical Education at Coe-Brown is structured to enhance and encourage each student's growth physically, mentally, and socially. Physical Education is the study and exploration of the concepts and principles of human movement. This includes development of motor skills, perceptual skills, coordination, strength, stamina, fitness, recreational pursuits, prevention of injury and the promotion of wellness and health.

The Health Education course offered at Coe-Brown Northwood Academy is designed to enhance the awareness and knowledge of healthy lifestyle choices. The course will examine all aspects of wellness and quality of life while reinforcing the student ability to advocate and make healthy choices for their overall health. In addition to the focus on individual wellness and health, the student will be challenged to practice healthy lifestyle choices and understand how those choices affect their families, community, and society.

**COURSE TITLE: Competitive Sports (General) (006)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: Students will be involved in a wide variety of team sports and expected to participate at a high level. Units include, but are not restricted to Basketball, Lacrosse, Soccer, Team Handball, Volleyball, Field Hockey, Flag Football, Ultimate Frisbee, Tchoukball, Softball.

**COURSE TITLE: Lifetime Sports (General) (007)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: Student will be involved in a wide variety of individual sports and expected to participate at a high level. Units include, but are not limited to Badminton, Pickle ball, Eclipse ball, Speed mitton, Kan Jam, Table Tennis, Bowling, Nitro Ball (Outside-Bocce Ball, Horseshoes, Croquet, Tennis).

**COURSE TITLE: Intro to Weight Training (General) (008)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: Students will be given an opportunity to learn how to use the weight room safely and develop a workout program for themselves. Students will also be introduced to other fitness activities other than just the weight room. Activities may include: Aerobics, Plyometric, Exercise Videos, Dance, P90x, and Zumba. Daily participation and completion of workout routines will be required.

**COURSE TITLE: Cooperative Games/New Games (General) (014)**

**GRADE: 9**

PREREQUISITE: None

¼ credit

COURSE DESCRIPTION: Students will participate in several activities that involve large group initiative games, team building activities, new games, low ropes course and other problem-solving activities.

**COURSE TITLE: Physical Education (General) (118A) (118B)****GRADE: 9**

PREREQUISITE: None

¼ credit each

Required of all Freshmen- both quarters

COURSE DESCRIPTION: Physical Education is an educational course. Students are expected to participate and attend Physical Education classes. Units of instruction will be offered according to a master schedule which may include: Soccer, Speedball, Basketball, Volleyball, Softball, Badminton, Table Tennis, Orienteering, Dance, Archery, Flag Football, Fitness Testing, Cross-Country Skiing, Lacrosse, Jogging & Conditioning, Track & Field Competition, Physical Best, Weightlifting, Broomball, Team Handball, Ultimate Frisbee, and Field Hockey.

**COURSE TITLE: Health (General) (215)****GRADE: 10**

PREREQUISITE: None

½ credit

Required of all Sophomores

COURSE DESCRIPTION: Health is designed to help the student understand the emotional, physical and social changes that occur during adolescence and to help students develop guidelines for responsible decision making. Units of instruction may include, but are not limited to: Adolescent growth and development, fitness, mental health, nutrition, the use and abuse of drugs, reproduction and sexually transmitted diseases. The course is geared to responsibility for one's actions and how to make decisions. CPR certification will be included.

**COURSE TITLE: Concepts of Physical Fitness & Performance-CP (237) GRADES: 10-12**

PREREQUISITE: C Average in Freshman Physical Education and

½ credit

class instructor permission or with permission from the Dean.

COURSE DESCRIPTION: Concepts of Physical Fitness & Performance is designed to examine the physical and scientific responses of being physically active on one's body. An upper level curriculum open to sophomores, juniors, and seniors, uses a variety of sport and fitness related fields to help the participant understand the benefits of a physically active lifestyle and the impact on human performance in both daily activities and athletic arenas. Participants will be required to blend academics and participation in non-competitive activities as part of the curriculum in order to gain a working knowledge about the science that makes exercise and fitness beneficial to the human body & how it affects performance. Recommended for students who have a strong science background or have a serious interest in the fields of sports management, sports medicine, or other physical fitness center. Units of instruction may include, but are not limited to: Sports Injury Care and Prevention, Fitness Planning Design & Implementation, Aerobic Fitness, Weight & Resistance Training, Flexibility, Plyometric, and Benefits of Proper Warm Ups. For safety reasons, the class is limited to twelve students.

**COURSE TITLE: Team Sports Concepts (General) (244)****GRADES: 10-12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: Team Sports Concepts is a physical education course with emphasis on activities and games that are group or team based. Participants will examine the rules of play, sport specific skills, strategies, and history of the sports while actively participating in each sport. Participants will gain the valuable experience of enforcing the rules of play by actively officiating games during each unit. Assignments and tests will include both written and skill assessment along with knowledge of the rules of play. Units of instruction will include, but are not limited to the following: soccer, volleyball, flag football, softball, whiffle ball, lacrosse, team hand ball, ultimate Frisbee, and field hockey.

**COURSE TITLE: Individual Sports Concepts (General) (245)****GRADES: 10-12**

PREREQUISITE: None

½ credit

COURSE DESCRIPTION: Individual Sports Concepts is a physical education course with emphasis on activities and games that are individually based or can be part of a lifetime of activity. Participants will examine the rules of play, sport specific skills, strategies, and history of the sport while actively participating in each sport. Participants will gain the valuable experience of enforcing the rules of play by actively officiating games or activities during each unit. Assignments and tests will include both written and skill assessment along with knowledge of the rules of play. Units of instruction will include, but are not limited to the following; Bocce ball, horse shoes, pickle ball, badminton, tennis, orienteering, archery, bowling, weight lifting, walking and running, cross country skiing, snow-shoeing, and golf.

**COURSE TITLE: Sports Medicine I (CP) (306)****GRADES: 11-12**PREREQUISITE: Biology, Health and 1 credit of Physical Education  
or with permission of the Dean.

½ credit

COURSE DESCRIPTION: Sports Medicine I at Coe-Brown Northwood Academy is designed for students interested in a pursuing a career in the health professions. The course will be taught in one semester. Sports Medicine I will explore the foundations of Sports Medicine: injury prevention, injury recognition, injury rehabilitation, basic taping/bracing procedure, recognizing and responding to an emergency, American Heart Association CPR, AED, First-Aid Certification, organization of sports medicine program and careers in sports medicine. The course will meld fact learning with critical thinking and application; skills used by all health professionals on a daily basis. In order to succeed in the classroom, students will be expected to be prepared for class by completing assignments prior to class time and actively participate in class discussions and activities.

**COURSE TITLE: Sports Medicine II (CP) (307)****GRADES: 11-12**PREREQUISITE: Sports Medicine I and permission of the instructor,  
or with permission of the Dean.

½ credit

COURSE DESCRIPTION: Sports Medicine II will further explore the foundations of Sports Medicine I as well as the added topics of pharmacology, sport psychology, nutrition, internal medical conditions, and exercise physiology. The emphasis of this class will be on practical application of skills and knowledge learned within the classroom. In order to succeed in the classroom, students will be expected to be prepared for class by completing assignments and actively participate in class discussions and activities. This class requires independent research and shadowing experience to further understand and apply the concepts of sports medicine.

**COURSE TITLE: Intro to Coaching – Gen (309)****GRADES: 11-12**PREREQUISITE: Health and have had or are enrolled in  
Team or Individual Sports

½ credit

COURSE DESCRIPTION: Intro to Coaching focuses on the physical, social, mental, and legal components of coaching in youth and community sports programs. The course focuses on the real life application of research based coaching principles as established by the National Federation of High School Associations & the American Sport Education Program. The course will prepare students for roles as quality & certified youth sports coaches in their communities and becoming invested and contributing members of our society. The course will examine coaching fundamentals, management skills, legal responsibilities & considerations, effective communication, contemporary issues in coaching, and safe practices & training. The goal of the course is to provide students with the ability to have a standard of knowledge for participating in their community as an effective youth sports coach and to have certifications in coaching education modules. A fee will be charged for certification if desired.

## DIVISION OF MATHEMATICS AND SCIENCE

### MATHEMATICS CURRICULUM

A full schedule of college preparatory courses are offered in mathematics for those students who intend to pursue these subjects. Additionally, general level courses are offered to insure that all students can meet the requirement for three credits in mathematics for graduation. Since most of these courses must be taken in a prescribed sequence, students should carefully plan their schedules.

**COURSE TITLE: General Math (General) (130)**

**GRADES: 9-11**

PREREQUISITE: None

One Math Requirement  
1 credit

COURSE DESCRIPTION: General Math is designed to help students explore different areas of math as they relate to everyday problems. The course will: 1) review basic skills learned in the first eight grades; 2) introduce Basic Algebra and Basic Geometry; and 3) work with the math relationships to everyday basic consumer skills.

**COURSE TITLE: Pre-Algebra (General) (134)**

**GRADES: 9-12**

PREREQUISITE: None

One Math Requirement  
1 credit

COURSE DESCRIPTION: This Pre-Algebra course will help students develop the skills necessary to manipulate numbers, solve equations and understand the general principles at work. Students will compute interest through percentages, graph linear function, compare rational numbers and scientific notation, and convert fractional numbers between fractions, decimals, and percents. Practical application through the incorporation of word problems is required in this course.

**COURSE TITLE: Algebra I (General) (131)**

**GRADES: 9-11**

PREREQUISITE: None

One Math Requirement  
1 credit

COURSE DESCRIPTION: This course is designed for students who plan to attend a technical college or plan to enter the workforce following graduation. It will also provide sufficient content background in Algebra and Geometry to allow a student to continue in the math sequence. This course will work closely with the other disciplines to integrate specific math skills with other courses. The student should be prepared to spend 30-40 minutes per day doing assignments and preparing for class. In addition to traditional classroom work, students will be expected to arrive prepared for class each day. Those students who successfully complete the course should have confidence to pursue either General Geometry or Algebra I CP.

**COURSE TITLE: Algebra I (CP) (132)**

**GRADES: 9-12**

PREREQUISITE: 8<sup>th</sup> Grade Algebra teacher recommendation or  
with permission of the Dean.

1 credit  
One Math Requirement

COURSE DESCRIPTION: Algebra I is a foundation course for college preparatory math. It is designed for those highly motivated students who desire to continue their education beyond secondary school. The student will learn to use the real number system in equations and other relationships. The student will learn to solve a wide variety of linear and quadratic equations. Considerable emphasis is placed on logical problem solving and analysis.

Students who select this course should be prepared to spend 30-40 minutes each day completing assignments and preparing for class. This course is a prerequisite for Geometry and all subsequent college preparatory math courses. It is also a prerequisite for Chemistry, Physics and Computer Programming.



**COURSE TITLE: Math I (Honors) (133)****GRADE: 9**

PREREQUISITE: Students must be eligible to apply for Honors English, and by application, or with permission of the Dean. 1 credit  
One Math Requirement

COURSE DESCRIPTION: This class will cover advanced algebra content beyond Algebra I, as well as begin Geometry and Algebra II concepts. This course deepens and extends understanding of linear relationships, in part by contrasting them with exponential and quadratic phenomena, and in part by applying linear models to data that exhibit a linear trend. In addition to studying bivariate data, students also summarize, represent, and interpret data on a single count or measurement variable. The Geometry standards that appear in this course formalize and extend students' geometric experiences to explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments.

**COURSE TITLE: Geometry (General) (230)****GRADES: 10-12**

PREREQUISITE: Algebra I or Algebra I General or with permission of the Dean 1 credit  
One Math Requirement

COURSE DESCRIPTION: This course will introduce students to the language of geometry and the basic concepts of plane geometry. Concepts studied will include angles and angle relationships, perimeter, surface area and volume of geometric figures, similarity, proportion, right triangle trigonometry, transformations and tessellations. Students will learn these geometric concepts through a variety of hands-on activities and projects. Problems will focus on applications of geometry in real-world situations. Students will continue to develop and reinforce algebraic skills. This is a general level course and is recommended for all students who wish to improve their math skills. Students should plan to spend 30-40 minutes each day to complete homework assignments and prepare for class.

**COURSE TITLE: Geometry (CP) (231)****GRADES: 10-12**

PREREQUISITE: C average in Algebra I CP or with permission of the Dean 1 credit  
One Math Requirement

COURSE DESCRIPTION: The study of Geometry combines the learning of geometric shapes and relationships with the development of logical thinking. The student will learn to use his/her knowledge of lines, planes, triangles and quadrilaterals to develop methodical proofs of mathematical relationships. The concepts of congruence, similarity, angle relationships and coordinate systems are developed in detail. The student is also introduced to the basic geometric solids and will learn to use formula for finding area and volume.

This is a college preparatory course and is recommended for all students who plan to continue their education beyond secondary school. It is a required course for students who plan to major in engineering, physical science or mathematics. Students should plan to spend 30-40 minutes each day to complete assignments and prepare for class.

**COURSE TITLE: Math II (Honors) (232)****GRADES: 10-12**

PREREQUISITE: B average in Math I Honors with permission of the Dean. 1 credit  
One Math Requirement

COURSE DESCRIPTION: The class assumes mastery of honor's level algebra skills and is designed to be an advanced geometry class covering three dimensional figures in real-world context, coordinate geometry, and the development of postulates, definitions, theorems, as well as, expanding deductive reasoning skills that can be applied to higher level mathematical and real-world problems.

In Math II Honors, students continue to deepen their study of quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Math I Honors. The characteristics of more advanced types of functions are

investigated (including power, inverse variation, radical, absolute value, piecewise-defined, and simple trigonometric functions). The link between probability and data is explored through conditional probability and counting methods. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between Math II Honors and the historical approach taken in Geometry classes. For example, transformations are explored early in the course and provide the framework for studying geometric concepts such as similarity and congruence. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Math II Honors explores content at a rigorous level to begin students' preparation for advanced math courses.

**COURSE TITLE: Algebra II (General) (330)**

**GRADES: 11-12**

**PREREQUISITE:** Geometry or with permission of the Dean.

One Math Requirement  
1 credit

**COURSE DESCRIPTION:** During this course, Algebra II General students will be introduced to many of the topics covered in a traditional college prep Algebra II curriculum. However, more time will be spent on skills, applications and projects. Students will work in a cooperative, hands-on environment to solve a variety of problems. Use of manipulatives and software programs such as Geometer's Sketchpad will be used to learn and reinforce concepts. This is a general level course and is recommended for all students who wish to improve their math skills. Students should plan to spend 30 minutes each day to complete assignments and prepare for class.

**COURSE TITLE: Algebra II (CP) (331)**

**GRADES: 10-12**

**PREREQUISITE:** C average in CP Algebra I and CP Geometry  
or with permission of the Dean.

One Math Requirement  
1 credit

**COURSE DESCRIPTION:** Algebra II CP extends the students' knowledge of the real number system and algebraic functions. The student is required to integrate his/her skills in geometry and algebra and develop problem solving skills. Emphasis is placed on solving applied problems and developing mathematical models of physical relationships. Geometric concepts of area, volume, and surface area are covered.

**COURSE TITLE: Math III (Honors) (332)**

**GRADES: 11-12**

**PREREQUISITE:** B average in Math II Honors  
or with permission of the Dean.

One Math Requirement  
1 credit

**COURSE DESCRIPTION:** This course is designed so that students have the opportunity to pull together and apply the accumulation of mathematics concepts learned previously as well as learn about pre-calculus concepts including advanced functions and analytic trigonometry. They apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions, including an intense study of families of functions and the relationships therein. They expand their study of right triangle trigonometry to include general triangles and in the study of trigonometric functions to model simple periodic phenomena. Finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. Appropriate technology and tools, including manipulatives and calculators, will be used regularly for instruction and assessment.

**COURSE TITLE: Personal Financial Math (General) (430)****GRADE: 12**

PREREQUISITE: General Algebra II or with permission of the Dean.

One Math Requirement  
1 credit

COURSE DESCRIPTION: Students taking this course will be introduced to all aspects of personal finance. Topics studied will include gross and net pay, income taxes, budgeting, savings and investments, credit and debit cards, types of loans, insurance policies and retirement annuities. Students will learn and reinforce these concepts by working on a variety of projects including choosing a career and calculating net pay for the career, developing a budget, planning a vacation and determining the amount of money needed for retirement. This is a general level course and is recommended for all students who wish to acquire the knowledge needed to make informed financial decisions. Students should plan to spend 30 minutes each day to complete homework assignments and prepare for class.

**COURSE TITLE: Calculus (AP) (432)****GRADE: 12**

PREREQUISITE: Math III Honors or with permission of the Dean.

1 credit  
One Math Requirement

COURSE DESCRIPTION: This is a rigorous, college level course in Calculus. It is a balanced mixture of theoretical and intuitive approaches in the study of various concepts. The course will prepare the student for the Advanced Placement Examination in Mathematics. Additionally, all students are required to take the end of year AP examinations, which have a fee. The AP exam fee is approximately \$90.00.

**COURSE TITLE: Senior Math (General) (433)****GRADE: 12**

PREREQUISITE: CP Algebra II or with permission of the Dean.

1 credit

COURSE DESCRIPTION: This semester class is designed for students who wish to improve their understanding of Algebra I, Geometry and Algebra II concepts before they move on to a technical or vocational college. Students will have a chance to investigate and improve on concepts that may have been challenging the first time that they studied them. The student should be prepared to spend 30-40 minutes per day doing assignments and preparing for class. In addition to traditional class work students will be expected to complete class projects and arrive prepared for class each day.

**COURSE TITLE: Calculus I:Single-Var. Calculus/MAT225 (Honors) (435)****GRADE: 12**

PREREQUISITE: Math Honors II or Pre-Calculus or with permission of the Dean.

1 credit

COURSE DESCRIPTION: Calculus is the mathematical study of change that has widespread applications in science, engineering, economics, and business. This course provides a rigorous introduction to single-variable calculus. Topics include limits, continuity, differentiation and integration of algebraic, trigonometric, exponential, and logarithmic functions, applications of derivatives, and integration, including the Fundamental theorem of Calculus. This course will encourage students to think beyond memorizing formulas and to work towards understanding concepts. **This is a dual enrollment class through SNHU. \$100.00 fee for the 3 college credits**

**COURSE TITLE: Pre-Calculus (Honors) (436)****GRADE: 12**

PREREQUISITE: B average in Algebra II CP or with permission of the Dean.

1 credit

COURSE DESCRIPTION: Honors Pre-Calculus provides an extensive study of linear functions, polynomial functions, rational functions, exponential functions, logarithmic functions, trigonometric functions as well as analytic trigonometry at an accelerated pace. Students who select this course should be prepared to spend 50-60 minutes each day completing assignments and preparing for class. This course requires the use of a TI-84 plus.

**COURSE TITLE: Pre-Calculus (CP) (437)** **GRADES: 12**  
PREREQUISITE: C average in Algebra II CP or with permission of the Dean. 1 credit  
COURSE DESCRIPTION: Pre-Calculus reviews concepts from algebra, geometry, trigonometry to help students prepare for college entrance exams such as the SAT and ACT. Students who select this course should be prepared to spend 30-45 minutes each day completing assignments and preparing for class.

**COURSE TITLE: Probability & Statistics (CP) (440)** **GRADE: 12**  
PREREQUISITE: Algebra II CP with a final average of C or better or 1 credit  
with permission of the Dean.  
COURSE DESCRIPTION: In this course students will study measures of central tendency and dispersion, the normal curve, hypothesis testing. Linear correlation and regression, basic concepts in probability with application to problems in the social, behavioral, physical, and biological sciences. Students who select this course should be prepared to spend 30-45 minutes each day completing assignments and preparing for class. This course requires the use of TI-84 plus.

## **DIVISION OF MATHEMATICS AND SCIENCE**

### **SCIENCE CURRICULUM**

Science courses allow the student to investigate the world in which they live. The Introduction to Science provides the student with the experiences necessary to continue on in either the college preparatory or general science courses. Two science credits are required for graduation - one must be a physical science and one must be a biological science.

**COURSE TITLE: Intro to Science (General) (141)** **GRADES: 9-11**  
PREREQUISITE: None Physical Science Requirement  
1 credit

COURSE DESCRIPTION: This science course includes the same topics covered in Intro to Science-CP, yet is designed for the non-science oriented student. Students are expected to participate in laboratory experiences and research.

**COURSE TITLE: Intro to Science (CP) (142)** **GRADES: 9-11**  
PREREQUISITE: Completion of or current enrollment in Physical Science Requirement  
Algebra I CP or with permission from the Dean. 1 credit

COURSE DESCRIPTION: This college placement course covers topics in chemistry, physics, and earth science. Participation in laboratory experiences and research will be required for all students. This course is designed for the college oriented student and will prepare the student for future course work in physical science fields.

**COURSE TITLE: Intro to Science (Honors) (143)** **GRADE: 9**  
PREREQUISITE: Math I Honors and eligible for English 9 Physical Science Requirement  
Honors or with permission of the Dean. 1 credit

COURSE DESCRIPTION: Honors level IPSs course covers both physical and earth science, with an emphasis on the physical sciences. This course is designed for the student on an accelerated STEM track with anticipation of participating in AP physics and/or AP Chemistry during their junior and senior years. Honors IPS will be a fast paced course requiring honors level writing and mathematics skills.

**COURSE TITLE: Science Core Skills I (144) (SE)** **GRADE: 9**  
PREREQUISITE: Counselor or Special Education Approval or with permission of the Dean. 1 credit

COURSE DESCRIPTION: This course is designed for students who currently have an IEP and need a skills level class. Science Core Skills provides a two year immersion experience and 1 credit each of skills level introduction to Physical Science and Biology at its completion. Students enrolled will be provided with experiential learning targeted at developing and reinforcing the skill sets needed to advance to a general level science class during their junior or senior year.

**COURSE TITLE: Biology - (General) (241)** **GRADES: 10-12**  
PREREQUISITE: Intro to Science or with permission of the Dean. 1 credit  
Life Science Requirement

COURSE DESCRIPTION: This course allows students to gain a basic understanding of topics such as, ecology, plant and animal anatomy and physiology, genetics and evolution but in less depth. Lab work, hands-on projects, and research are required.

**COURSE TITLE: Biology (CP) (242)** **GRADES: 10-12**  
PREREQUISITE: Intro to Science CP or with permission of the Dean. 1 credit  
Life Science Requirement

COURSE DESCRIPTION: This college placement course is designed for the college-bound student. Topics include ecology, plant and animal anatomy and physiology, genetics and evolution. Laboratory work, projects and research papers are required.

**COURSE TITLE: Biology (Honors) (243)** **GRADES: 10-12**  
PREREQUISITE: 93 average in Intro to Science CP or B average in Intro to Science Honors and permission of the Dean. 1 credit  
Life Science Requirement

COURSE DESCRIPTION: This Honors course is designed to challenge the highly motivated college bound student. Topics such as ecology, the cell, plant and animal anatomy and physiology, genetics, and evolution are covered in greater depth and at a faster pace than college prep. Biology. Laboratory work, projects and research papers are required.

**COURSE TITLE: Science Core Skills II (246) (SE)** **GRADE: 10**  
PREREQUISITE: Science Core Skills I or with permission of the Dean. 1 credit

COURSE DESCRIPTION: This course is designed for students with an IEP who have completed Science Core Skills I. This is the second half of a two year immersion experience of skills level introduction to Physical Science and Biology at its completion. Students enrolled will be provided with experiential learning targeted at developing and reinforcing the skill sets needed to advance to a general level science class during their junior or senior year.

**COURSE TITLE: Field Ecology - (General) (247)** **GRADES: 10-12**  
PREREQUISITE: Intro to Science (General) or with permission of the Dean. ½ credit

COURSE DESCRIPTION: Learn about the nature that surrounds you. Field Ecology is a semester long course that focuses on the world outside. This course will explore wildlife, plants, ecosystems, weather events and how it all interacts, with a focus on local plants and animals. This course will provide an introduction to field collection and sampling methods. Sampling methods include insect, small mammal, large mammal, birds, reptiles and amphibians, fish and crayfish, vegetation, soils and trees. Students taking this course can also expect an introduction to statistical analysis and experimental design. Students interested in careers in biology or environmental sciences and anyone interested in learning more about the woods behind the house.

**COURSE TITLE: Field Ecology - (CP) (248)****GRADES: 10-12**

PREREQUISITE: Intro to Science (CP) or with permission of the Dean

½ credit

COURSE DESCRIPTION: Learn about the nature that surrounds you. Field Ecology is a semester long course that focuses on the world outside. This course will explore wildlife, plants, ecosystems, weather events and how it all interacts, with a focus on local plants and animals. This course will provide an introduction to field collection and sampling methods. Sampling methods include insect, small mammal, large mammal, birds, reptiles and amphibians, fish and crayfish, vegetation, soils and trees. Students taking this course can also expect an introduction to statistical analysis and experimental design. Students interested in careers in biology or environmental sciences and anyone interested in learning more about the woods behind the house.

**COURSE TITLE: Earth and Space Science – CP (312)****GRADES: 10-12**PREREQUISITE: Intro to Science CP, 10<sup>th</sup> graders must be currently

1 credit

enrolled in Biology and need permission of the Dean

COURSE DESCRIPTION: Earth and Space Science College Prep level is designed for students interested in Earth Processes, and Space Science. Topics covered include: the formation and evolution of the solar system and universe, behavior of our sun and other stars, Earth materials, plate tectonics, water in and on the crust, weather and climate, natural resources, natural hazards, and human impact. Class format will include lecture and discussion, lab and field investigation, and guest lectures from UNH researchers.

**COURSE TITLE: Integrated Science (General) (315)****GRADES: 11-12**

PREREQUISITE: Intro to Science &amp; Biology

1 credit

or with permission of the Dean.

COURSE DESCRIPTION: The course is for the general level student who wants to learn more about many different real world applications of science. Topics such as human wellness and nutrition, diseases, resources management, meteorology, climate change, human impact on biodiversity, machines and electronics, air and water pollution, and energy resources. Students will analyze current topics in the news to dig deeper into the science, this will allow them to enhance their problem solving and critical thinking skills. Each unit will provide the opportunity for hands on experiences or field work.

**COURSE TITLE: Exercise Science (CP) (316)****GRADES: 11-12**

PREREQUISITE: Intro to Science &amp; Biology or with

½ credit

permission of the Dean.

COURSE DESCRIPTION: This course employs a scientific, laboratory-based approach to the study of sport and exercise by examining the connections between human athletic performance, the anatomical structure of the body, and the physiological processes that allow the body to function in an efficient manner. Topics covered will include the anatomy, physiology, and biomechanics of the skeletal, muscular, respiratory, and cardiovascular systems as they relate to athletic performance; effects of athletic training on the structure and function of the human body; techniques for fitness assessment and performance optimization in sport; and exercise and athletics as critical elements of a healthy lifestyle. Laboratory investigations of human exercise physiology will be emphasized.

**COURSE TITLE: Introduction to Pharmacology (CP) (334)****GRADE: 11-12**

PREREQUISITE/CO-REQUISITE: Algebra II CP, Chemistry or with

½ credit

permission of the Dean.

Physical Science Requirement

COURSE DESCRIPTION: This course is designed to give the college or technical school bound student a background in medicinal chemistry, pharmacology and an overview of the profession.

Emphasis will be on developing problem solving skills and application of those skills as they are used in the real world. Topics covered include an overview of biochemistry, the pharmaceutical drug design process and how drugs are designed for the human body, toxicology, and laboratory skills utilized by both biochemists and pharmacologists. In addition to the text and laboratory work, term papers and/or projects will be assigned to encourage independent study and research.

**COURSE TITLE: Introduction to Forensic Science (CP) (335)**

**GRADE: 11-12**

**PREREQUISITE/CO-REQUISITE:** Algebra II CP, Biology,

½ credit

or with permission of the Dean.

**COURSE DESCRIPTION:** This course is designed to give the college or technical school bound student a background in forensic science and an overview of the profession. Emphasis will be on developing problem solving skills and application of those skills as they are used in the real world. Topics covered include a brief history of forensic science technological developments, learning the differences between a crime scene investigator (CSI) and a forensic scientist, and using laboratory skills utilized by both CSI's and forensic scientists in the field. In addition to the text and laboratory work, term papers and/or projects will be assigned to encourage independent study and research.

**COURSE TITLE: Introduction to Engineering (CP) (337)**

**GRADES: 11-12**

**PREREQUISITE:** Algebra I CP, Geometry CP, and Intro. To Science, or

1 credit

with permission of the Dean. Course should be taken after  
or concurrently with Physics.

**COURSE DESCRIPTION:** Introduction to Engineering (ITE) is a course designed for motivated juniors and seniors who wish to explore scientific concepts through the engineering process. The major focus of the ITE course is to introduce students to the engineering process through a survey of engineering disciplines. ITE is a hands-on problem-solving course that is project centric. Students will conduct research, design solutions, build projects, analyze outcomes, and refine products. Teamwork and communication skills will be developed. Students will learn to document and present their progress in a professional manner. The ITE course focuses on increasingly challenging design problems using modern technology. Microcontrollers and 3D printing will be featured. 3D design software will be introduced. The students in the course will also participate in the VEX IQ robotics program and enter a robot in the annual local competitions.

**COURSE TITLE: Biology AP (339)**

**GRADES: 11-12**

**PREREQUISITE:** Completion of Honors Biology with an average of 90 or above

1 credit

and permission of the Dean. Students who complete CP Biology with an A average and receive a teacher recommendation may petition for permission to enroll from the AP Biology instructor. Students must complete summer reading and written assignments prior to the start of the course. Students who do not complete these assignments will not be allowed to take the class. Completion or current enrollment in Chemistry CP or higher.

**COURSE DESCRIPTION:** The AP Biology course is designed to be the equivalent of a college-level introductory biology course. The intent of the course is to expose students to higher-level biological principles, concepts, and skills and allow them the opportunity to apply their knowledge to real-life applications. Students must be independent learners, capable of completing extensive work outside of class. In class, students are given opportunities to learn and apply their knowledge through the process of inquiry rather than learning from lectures and/or prescribed lab protocols. Additionally, all students are required to take the end of year AP examinations, which have a fee of approximately \$90.00. (financial assistance is available.)

**COURSE TITLE: Zoology (General) (340)****GRADES: 10-12**

**PREREQUISITE:** Introduction to Science. Sophomores must be currently enrolled in Biology and with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** Zoology is the study of the organisms in the animal kingdom. Students will survey the animal kingdom with an emphasis on animal diversity (invertebrates and vertebrates), evolution and classification, comparative anatomy, functional adaptations, and environmental relationships. This course will be helpful for students who plan to study biology, veterinary science, wildlife biology, or animal science in their post-secondary education. It will also provide field and laboratory skills for students entering technical or vocational fields of study. This class will be taught using various technologies, lectures, videos, hands-on activities, field trips, laboratory exercises, and dissections of representative organisms.

**COURSE TITLE: Zoology (CP) (341)****GRADES: 10-12**

**PREREQUISITE:** Introduction to Science. Sophomores must be currently enrolled in Biology and with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** CP Zoology is a one-semester course that investigates the organisms in the animal kingdom. Students will investigate the origin of animal life, the fossil record, evolution and classification, and survey the diversity of living animal groups (invertebrates and vertebrates). This course will be helpful for students who plan to study biology, veterinary science, wildlife biology, or animal science in their post-secondary education. It will also provide field and laboratory skills for students entering technical or vocational fields of study. This class will be taught using various technologies, lectures, videos, hands-on activities, field trips, laboratory exercises, and dissections of representative organisms.

**COURSE TITLE: Environmental Science (General) (342)****GRADES: 10-12**

**PREREQUISITE:** Intro to Science; Sophomores must be currently enrolled in Biology and with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** The course focuses on local New Hampshire environmental concerns as they relate to worldwide issues. Topics covered are ecosystems, water resources, air quality, land use, food production, biodiversity, energy, waste, population growth and sustainability. The curriculum includes many outdoor laboratory field trips, school and community projects, research, student-led discussions and a third term teaching project. Students learn to use environmental testing and analysis equipment and gain skills that would help them in careers involving environmental conservation. The internet is extensively used to supplement the text.

**COURSE TITLE: Sci 219/Env 219: Environmental Issues (CP) (343)****GRADES: 10-12**

**PREREQUISITE:** Intro to Science – 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course provides a fundamental understanding of the various processes necessary to support life on Earth and examines how human activities and attitudes (individual, traditional, cultural, and others) generate environment issues that threaten these processes. Topics include ecology, populations, agriculture, desertification and deforestation, water and ocean pollution, air pollution including ozone depletion and acid rain, global climate change, natural resource depletion, solid and hazardous wastes, energy including fossil fuels and nuclear power, economics, and sustainability. This course is cross-listed as ENV 219.

This is a dual enrollment class through SNHU \$100.00 fee for the 3 college credits.



**COURSE TITLE: Chemistry (CP) (344)** **GRADES: 10-12**  
**PREREQUISITE:** Intro to Science CP and Biology CP. Currently enrolled in Algebra II CP or higher 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed to give the college or technical school bound student an excellent background in chemistry, laboratory technique and safety. Emphasis is on the interactions between atoms and molecules that cause changes in the compositions of matter. Topics covered include atomic theory, the quantum theory, the periodic table, the mole concept, the kinetic theory, spectroscopy, chemical equilibrium, acid-base theory, and an introductory organic chemistry. Students should have a math background with a strong understanding of Algebra. In addition to the text and laboratory work, term papers and/or projects will be assigned to encourage independent study and research. Students should thus have good writing skills and working knowledge of the research paper and MLA format.

**COURSE TITLE: Chemistry (Honors) (345)** **GRADES: 10-12**  
**PREREQUISITE:** Biology Honors or an "A" in Biology CP. Currently enrolled in Algebra II CP or Higher. 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed to give the highly motivated college bound student an in depth background in chemistry, laboratory technique and safety. Emphasis is on the interactions between atoms and molecules that cause changes in the composition of matter and the mechanisms underlying such interactions. Topics will include atomic and quantum theory, periodic properties, the mole concept, the kinetic theory, spectroscopy, chemical equilibrium, acid-base theory, redox and electrochemistry, and introductory organic and biochemistry. Students should have a strong math background and have tested well for reading comprehension. In addition to the text and laboratory work, term papers and/or projects will be assigned to encourage independent study and research. Students must have good writing skills and a working knowledge of the research paper and MLA format.

**COURSE TITLE: Meteorology (General) (346) or (CP) (338)** **GRADES: 10-12**  
**PREREQUISITE:** Intro to Science. 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** Due to our proximity to the mountains, oceans and several different storm tracks New England receives highly diverse weather. The focus of this year long meteorology course is to teach the fundamentals of weather by using our unique location in New England to spark the interest of the students.

**COURSE TITLE: Anatomy and Physiology (General) (347)** **GRADES: 10-12**  
**PREREQUISITE:** Intro to Science – 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** Anatomy and Physiology is based primarily on the morphology and functions of the human body with some comparative anatomy included. Topics covered include the cell, tissues, organ and systems of the body, and genetics. Research papers and/or projects will be assigned to encourage independent study and research. Participation in dissection and laboratory work are required.

**COURSE TITLE: Earth and Space Science (General) (349)** **GRADES: 10-12**

**PREREQUISITE:** Intro to Science-10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** Earth and Space Science is a General level course. The course is divided into two main disciplines of study: basic geology and basic astronomy. Students will explore the forces that shape Earth and the forces that shape the universe. Each unit will provide the opportunity for hands-on experiences or fieldwork.

**COURSE TITLE: Anatomy and Physiology/Bio210 (CP) (354)** **GRADES: 10-12**

**PREREQUISITE:** Intro to Science – 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** Discussion/comparison of principles of mammalian form and function. Includes molecular and cellular mechanisms of major processes (such as muscle contraction, neural transmission, and signal transduction) and examines the structure and function of the 11 organ systems of the human body. Laboratory exercises (BIO 210L) to follow lecture topics (required for Middle School Science and Environmental Science majors.)

Anatomy and Physiology is a course students should take if they plan on entering the Allied Health field or Emergency Care field. A major focus of the course is to integrate basic anatomy with common diseases and disorders one may encounter in the fields mentioned above. When appropriate, essential physiology is woven into the emergency situation being taught. Laboratory exercises range from basic eye and balance test to multiple cat dissections of superficial tissue and deeper viscera. This is a dual enrollment class through SNHU. \$100.00 fee for the 3 college credits plus \$25.00 for 1 Lab credit = 4

**COURSE TITLE: Physics (CP) (363)** **GRADES: 10-12**

**PREREQUISITE:** Intro to Science CP or Honors and currently enrolled in Algebra II CP or higher. 10<sup>th</sup> graders must be enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed for the student seeking an introduction and survey of physics. The focus of the course will be mastery of the conceptual aspects of physics – the rules by which our universe is governed. This course will have a broad scope covering the concepts of force, motion and energy as well as waves, electricity, magnetism, and modern topics such as relativity, quantum mechanics, and astronomy. Students enrolled in this hands-on course will experience the principles of nature through demonstrations, laboratory, and student projects. Problem solving techniques will be introduced and refined. A final laboratory/exam experience at Funtown Splashtown Amusement Park’s annual physics day is planned. A simple scientific calculator will be required.

**COURSE TITLE: Physics (Honors) (364)** **GRADES: 10-12**

**PREREQUISITE:** Intro to Science Honors or with permission of Intro to Science teacher. Currently enrolled in Algebra II CP or higher. 10<sup>th</sup> graders must be currently enrolled in Biology Honors and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This fast paced course is designed for the highly motivated student seeking preparation for a calculus based college physics course. Topics covered in the course will include mechanics (force, motion, energy, momentum, and torque) as well as waves, optics, electricity, magnetism, and selected topics in modern physics such as relativity and quantum mechanics. The focus of the course will be on algebraic and graphical methods of problem solving as well as using a computerized laboratory interface. The course will require a detailed laboratory journal be kept. A final laboratory/exam experience at Funtown Splashtown Amusement Park’s annual physics day is planned. A graphing calculator is highly recommended (TI-82 or better).

**COURSE TITLE: Physics API (365)****GRADES: 11-12**

**PREREQUISITE:** Physical Science (honors), Biology (honors), Algebra I (honors), Geometry (honors). All prerequisite coursework should have been completed with a grade of 90% or higher. Exceptions made with Dean's approval. 1 credit

**CO-REQUISITE:** Algebra II (honors level strongly recommended) or higher.

**COURSE DESCRIPTION:** This course will prepare the very highly motivated student to succeed on College Board's challenging advance placement Physics I exam. The AP Physics I program is intended to be the equivalent of a first semester algebra based college physics course. The prescribed curriculum focuses on mechanics. Twenty-five percent of the course will involve laboratory investigation using traditional apparatus, computer based data acquisition, and online simulations. There will be a great deal of emphasis on techniques of problem solving. Participation in the amusement park physics program is planned. In addition, term papers, independent lab investigations, and/or projects will assigned to encourage independent study and research. The scope of the course requires that students prepare during the summer by completing review work and readings. Additionally all students are required to take the end of the year examination, which has a fee of approximately \$90.00. (financial assistance is available.)

**COURSE TITLE: Technical Prep Chemistry (General) (366)****GRADES: 10-12**

**PREREQUISITE:** Intro to Science and Algebra. 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed to provide a practical background in chemistry, materials science and laboratory safety to the student wishing to pursue a career in such areas as the military, police, fire, culinary arts, food or agricultural sciences, or cosmetology or who seeks to enroll in a two year technical program. Emphasis is on kinetic theory, the interactions between atoms and molecules and the composition of matter. Topics covered include; chemical nomenclature; acids, bases and salts; solids, liquids and gases; chemical bonding; the periodic table; solutions and colludes; environmental chemistry; Hazmat and fundamental chemical analysis. Students should have a basic understanding of arithmetic, algebraic formula manipulation and the use of a scientific calculator. This program has been developed with input from local technical colleges and vocational training programs.

**COURSE TITLE: Technical Prep Physics (General) (367)****GRADES: 10-12**

**PREREQUISITE:** Intro. to Science and Algebra. 10<sup>th</sup> graders must be currently enrolled in Biology and need permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed to give the two-year technical school bound student a practical background in physics and the principles of technology. This is primarily a laboratory course that will emphasize hands-on exploration of physical principles. Course topics will include force, pressure, motion, energy, heat, temperature, torque, power, electricity and digital electronics as they apply to modern machines and technologies. Formula manipulation and unit conversion skills will be developed. Each student will complete a major year project and keep a detailed laboratory journal. A final laboratory/exam experience at Funtown Splashtown Amusement Park's annual physics day is planned. A simple scientific calculator will be required.

**COURSE TITLE: Science Core Skills III (379)- (Skills Enrichment)****GRADE: 11-12**

**PREREQUISITE:** Science Core Skills I and II or with permission of the Dean. 1 credit

**COURSE DESCRIPTION:** This course is designed for students whose skills levels in science are below proficient or are identified as special needs. The third course in the Science Core Skills sequence, this course will survey topics and concepts from other CBNA science electives such as Earth Space Science, Meteorology, Anatomy and Physiology, Biology, Environmental Science, Tech Chemistry and Tech Physics.

**COURSE TITLE: Chemistry AP (386)****GRADE: 11-12**

PREREQUISITE: B or better in Honors Chemistry or with permission of the Dean. 1.0 credit

PRE/CO-REQUISITES: CP/Honors Pre-Calculus

COURSE DESCRIPTION: The AP Chemistry course provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium. Created by the AP Chemistry Development Committee, the course curriculum is compatible with many Chemistry courses in colleges and universities. Students will be expected to take the AP Chemistry exam as part of the course.

**DIVISION OF STUDENT SERVICES****SCHOOL COUNSELING AND STUDENT SERVICES CURRICULUM**

Guidance curriculum is delivered throughout the curriculum either by the teacher or guidance faculty as guest speakers. The following are courses that are specific in nature and offered in support and enhancement of the student's educational experience.

**COURSE TITLE: Outdoor Leadership (General) (308)****GRADES: 11-12**PREREQUISITE: None  $\frac{1}{2}$  credit

COURSE DESCRIPTION: Students will study leadership through outdoor team-building activities, classroom discussion, and research. This includes a study of collaboration, cooperation, communication, decision making, problem solving, and inter-/intrapersonal skills. Collaborative leadership concepts covered will include emotional intelligence, leadership styles and virtues, situational leadership, systems theory, group and personal development, the process of change combined with an understanding of change agents, and other related topics as they arise. Students will also survey basic outdoor travel and living skills.

**COURSE TITLE: Endeavors In Excellence (CP) (398)****GRADES: 11-12**PREREQUISITE: Approval during the semester prior to undertaking  $\frac{1}{2}$  credit  
by a committee composed of the EE Coordinator,  
the appropriate Curriculum Coordinator, and the Mentor.

COURSE DESCRIPTION: This course is a program in independent study. Highly motivated, gifted students write a contract for study and work on a course (project) of their choice under the guidance of a teacher or other mentor here at Coe-Brown. This course is designed for students who have solid academic achievement and wish to pursue a topic or subject beyond the regular course offerings. The course material in a college prep course is specifically related to comparable college courses and is designed to prepare students to succeed in them. It may also prepare the student for College Entrance Examinations.

**COURSE TITLE: Endeavors In Excellence (Honors) (399)****GRADES: 11-12**PREREQUISITE: Approval during the semester prior to undertaking  $\frac{1}{2}$  credit  
by a committee composed of the EE Coordinator,  
the appropriate Curriculum Coordinator, and the Mentor.

COURSE DESCRIPTION: This course is a program in independent study. Highly motivated, gifted students write a contract for study and work on a course (project) of their choice under the guidance of a teacher or other mentor here at Coe-Brown. This course is designed for students who excel in their academic achievements and wish to pursue a topic or subject beyond the regular course

offerings. An Honors level course is the most academically challenging course available and much of the course material is comparable to what is taught in the first year of a college level course. It may also prepare a student for SAT II Subject Tests and possible advanced placement in certain college courses.

**COURSE TITLE: Career Seminar (CP) (400)** **GRADES: 12**  
PREREQUISITE: Proof of employment and completed application, or permission of the Dean. 1 credit

COURSE DESCRIPTION: Students will learn the necessary skills needed to obtain a job, be an effective employee, enhance connections between school and careers and promote personal growth and development. The seminar will integrate students' academic and work-based learning experiences. Students must maintain constant employment throughout their senior year.

**COURSE TITLE: Career Internship (CP) (401)** **GRADES: 12**  
PREREQUISITE: Proof of employment and completed application, or permission of the Dean. 2 credit

COURSE DESCRIPTION: This extended work-based learning opportunity exposes students to the realities and expectations of the workplace. Students are monitored through communication with Site Supervisors and the Career Education Internship Director. Students must work 10 hours a week for an outside employer. The program is available for students looking for "real world" experience during their senior year. Students must maintain constant employment throughout their senior year.

**In addition to the above courses, the School Counseling Department provides the following facilities and programs, which support the entire curriculum:**

SCHOOL COUNSELING - Educational, vocational, and personal guidance is provided by four full time, school counselors. Assistance in career planning, school selection, financial aid, and related testing programs is provided to all students. Student scheduling and course selection is monitored. Counseling staff also provides assistance with problems relating to school peers, family, and other personal issues. The goal of the department is to assist students in achieving their personal and educational potential.

HEALTH - A full time, certified registered nurse provides guidance and assistance to students with problems relating to health and nutrition.

LIBRARY RESOURCE CENTER - The Library Resource Center is staffed by a full time certified librarian and a full time library assistant. The resources of the Center consist primarily of research materials that support and enrich the entire school community. The Center is continually upgrading its resources to meet the evolving needs of this community. In addition to a continually growing selection of books and periodicals, the Center provides computers, software, and online databases that support the curriculum. The online databases include full-text magazine and newspaper articles, encyclopedias, historical references, biographies, and a literary guide.

ASSISTED STUDY – Students experiencing difficulty with academics have the opportunity to participate in an individualized study hall setting. The study hall teacher monitors the student's progress, communicates with teachers and parents, and helps the student learn the organizational skills necessary to be successful with his/her classes.

PROJECT SUCCESS – A directed study hall after school to provide students experiencing difficulty with academics with a structured setting to help with academics, organization or assistance making contact with teachers.

SCHOOL RESOURCE OFFICER – A full time police officer provides guidance concerning legal issues for students and assistance in maintaining a safe school environment. The officer is available as a resource for classroom presentations and individual assistance.

**DIVISION OF STUDENT SERVICES**  
**SPECIAL EDUCATION CURRICULUM**

The goal of the Special Education Program is to serve students who have an Individualized Education Plan (IEP). Services range from classroom modifications to individualized courses. Students are encouraged to develop strategies for study, which fit their learning styles and their academic needs.

**COURSE TITLE: Reading Workshop I (110)** **GRADES: 9-12**  
PREREQUISITE: Recommendation of IEP team or permission of Dean. 1 credit  
COURSE DESCRIPTION: This Corrective Reading Program is designed for students experiencing difficulty with reading accuracy and fluency, and understanding what they are reading. It provides high frequency practice and review to accelerate proficiency with decoding strategies while developing vocabulary, information, and comprehension strategies needed for academic success. These combined directions provide readers experiencing difficulty the opportunity to develop the higher-order thinking and reasoning tactics (applying prior knowledge, making inferences, analyzing evidence, appropriate usage of decoding strategies) applied by successfully readers.

**COURSE TITLE: English Skills I (171)** **GRADE: 9**  
PREREQUISITE: Teacher Recommendation or permission of Dean. 1 credit  
Fulfills Freshman Requirement  
COURSE DESCRIPTION: This course addresses specific needs and strengths in the fundamentals of grammar, reading, writing, speaking, listening, literature, vocabulary, and spelling. This course follows a curriculum similar to English 9 General. Students are taught in a small group environment through differential instruction to maximize individual growth across these skill areas with the goal of transitioning into the English General curriculum.

**COURSE TITLE: Math Skills I (172)** **GRADE: 9**  
PREREQUISITE: Individual selection or permission of Dean. One Math Requirement  
1 credit  
COURSE DESCRIPTION: Skills is intended for those students whose math skills are below grade level. The techniques and classroom size provide students with the opportunity to develop their understanding of basic math skills that have not been mastered. The main topics in the class include whole numbers, fractions, decimals, percent, and ratio. The class also provides an introduction to basic Geometry and Algebra concepts.

**COURSE TITLE: Reading Workshop II (Skills Enrichment) (270)** **GRADES: 10-12**  
PREREQUISITE: Reading Workshop I or permission of Dean. 1 credit  
COURSE DESCRIPTION: Reading Workshop II is designed as a continuation of Reading Workshop I for sophomores and/or juniors who will benefit from completing the Corrective Reading Program. As with Reading Workshop I, this course focuses on the further development of reading/writing accuracy, fluency, and reading comprehension. It continues to provide opportunities to hone the higher order thinking and reasoning tactics applied by successful students.

**COURSE TITLE: English Skills II (271)** **GRADE: 10**  
PREREQUISITE: Teacher Recommendation or permission of Dean. 1 credit  
Fulfills Sophomore Requirement  
COURSE DESCRIPTION: This course builds upon the curriculum from English Skills I with continued focus on addressing specific needs and strengths across the fundamentals of grammar, reading, writing, speaking, listening, literature, vocabulary, and spelling. The course follows a curriculum similar to English 10 General. Students are taught in a small group environment through differentiated instruction to maximize individual growth across these skills areas with the goal of transitioning into the English General curriculum.

**COURSE TITLE: Math Skills II (272)** **GRADE: 10**  
PREREQUISITE: Individual Selection or permission of Dean. One Math Requirement  
1 credit  
COURSE DESCRIPTION: Skills Math II is designed for students who participated in Skills Math I and did not master all of the concepts necessary to participate to General or Integrated Math. The course is designed to remediate the concepts presented in Skills Math I as well as develop a higher level of understanding in Geometric and Algebraic concepts. The class also introduces data collection and graphing.

**COURSE TITLE: Community Based Instruction (300)** **GRADES: 11-12**  
PREREQUISITE: Special Education Assignment or permission of Dean. 1 credit  
COURSE DESCRIPTION: Community Based Instruction is a life skills course offering support to upperclassmen as they transition to the post-secondary culture. The five main content areas are economics, vocational prep, independent living, social skills and academic support. The curriculum employs both conventional classroom discourse as well as non-traditional approaches to learning. A cottage industry is developed to further the economics unit. Field trips that provide job shadows, onsite exposure to small businesses and cultural enrichment form a cornerstone of the program.

**COURSE TITLE: Writing Workshop (305)** **GRADES: 11-12**  
PREREQUISITE: Teacher Recommendation or permission of Dean. ½ credit  
COURSE DESCRIPTION: The purpose of this elective course is to improve students' writing accuracy, fluency and repertoire to better support their progress in the mainstream academic curriculum during their junior or senior year. Students receive direct instruction on the 3 steps of the writing process: prewriting, drafting and editing. Students are exposed to practical, descriptive, narrative, persuasive, expository, report, and senior portfolio writing.

**COURSE TITLE: Reading Workshop III (371)** **GRADES: 11-12**  
PREREQUISITE: Reading Workshop II or permission of Dean. 1 credit  
COURSE DESCRIPTION: Reading Workshop III is a continuation of Reading Workshop II for those students who will benefit from continuing with the Corrective Reading Program. It continues to work on further development of reading/writing accuracy, fluency, and reading comprehension. This course is available by recommendation only.

**COURSE TITLE: English Skills III (372)****GRADE: 11**

PREREQUISITE: Teacher recommendation or permission of Dean.

1 credit

Fulfills Junior Requirement

COURSE DESCRIPTION: This course continues to build upon the curriculum from English Skills II with continued focus on addressing specific needs and developing strengths across the fundamentals of grammar, reading, writing, speaking, listening, literature, vocabulary, and spelling. Instruction is further individualized according to the student's IEP, transition goals, and specific needs in English skills development. This likely includes a stronger focus on basic life and workplace English skills.

**COURSE TITLE: Math Skills III (373)****GRADES: 11-12**

PREREQUISITE: Individual Selection or permission of Dean. One Math (Algebra) Requirement

1 credit

COURSE DESCRIPTION: Skills Math III is designed for students experiencing difficulty with math concepts and understanding sequencing. The course is designed to help students understand the process of manipulating formulas and algebraic sequencing to solve equations. It provides a small classroom setting with a high frequency of practice and review to help students comprehend concepts. Major concepts covered are combining like terms, using the four operations with rational numbers, and solving multi-step equations.

**COURSE TITLE: Vocational Preparation (General) (390)****GRADES: 11-12**

PREREQUISITE: Teacher Recommendation or permission of Dean.

Group III Elective

 $\frac{1}{2}$  credit

COURSE DESCRIPTION: This course is designed to provide guidance and instruction in choosing and preparing for post-secondary career, education, and independent living options. Students will complete a series of self-exploration activities in relation to career and post-secondary education while learning job seeking, application, interviewing, acceptance and retention skills. Students will complete an in-depth study of at least one to two careers and related education/training requirements. Independent living skills such as personal finance management, an understanding of credit/borrowing, rental and home ownership, and other topics as they arise will also be explored. Students will develop a short- and long-term career/life plan as a final product of the course.

**COURSE TITLE: Life Skills Math (General) (431)****GRADE: 12**

PREREQUISITE: Math Skill III

 $\frac{1}{2}$  credit

COURSE DESCRIPTION: This project-based course will focus on students' transition to adulthood and the financial responsibilities that accompany it. Healthy living and development of executive functioning skills will be a focus throughout the course. Students will explore the process of finding a job that is fitting for their own skill set and interest as well as detailing the type of training and education necessary to achieve their professional goals. Other topics that will be explored include salary and demand of their career choice, typical benefits, and long and short term financial goal planning. Culmination projects will include income vs. expenses, and developing a budget that works with the prospective salary.

**COURSE TITLE: English Skills IV (470)****GRADE: 12**

PREREQUISITE: Teacher recommendation or permission of Dean.

1 credit

Fulfills Senior Requirement

COURSE DESCRIPTION: This course continues to build upon the curriculum from English Skills III with continued focus on addressing specific needs and developing strengths across the fundamentals of grammar, reading, writing, speaking, listening, literature, vocabulary, and spelling.



Instruction is further individualized according to the student's IEP, transition goals, and specific needs in English skills development. This likely includes a stronger focus on basic life and workplace English skills.

## DIVISION OF STUDENT SERVICES

### FINE ARTS CURRICULUM

Fine Arts courses at Coe-Brown Northwood Academy are intended to increase students' awareness and appreciation of the visual and performing arts. These life-long skills in creative problem solving and critical thinking extend beyond the classroom throughout a student's lifetime. Students are exposed to a full range of ideas, skills and artistic means to challenge them intellectually and creatively. Research has shown that those students who study the fine arts increase their standardized test scores. The courses listed below add greatly to the total students' education experience as they become inspired and contributing members of society. A variety of theater course electives can be found within the English Department.

**COURSE TITLE: Art Exploration (General) (003)** **GRADES: 9**  
PREREQUISITE: NONE ¼ credit  
COURSE DESCRIPTION: This course will introduce freshman students to a hands-on approach to exploring basic visual art concepts. Students will explore both 2 and 3-dimensional art with emphasis on creative experimentation and expression.

**COURSE TITLE: Intro to Illustration (General) (004)** **GRADES: 9**  
PREREQUISITE: NONE ¼ credit  
COURSE DESCRIPTION: This course will introduce freshman students into the commercial side of art. Students will explore a variety of illustration venues including children's book, editorial, and product illustration while using a variety of art media, both traditional and digital.

**COURSE TITLE: Photography Basics-Smartphone to DSLR (General) (005)** **GRADES: 9**  
PREREQUISITE: NONE ¼ credit  
COURSE DESCRIPTION: Have a smartphone, compact model or DSLR camera? Gain control and exposure in understanding the fundamentals of composition, while exploring creative concepts and filters to make the kind of photographs you want to share.

**COURSE TITLE: Voice Lab (General) (016)** **GRADES: 9**  
PREREQUISITE: None ¼ credit  
COURSE DESCRIPTION: Students will explore the techniques involved in making their voices the best they can be. Students will work with a variety of current and past music in a masterclass workshop environment to develop their optimal solo singing sound using live accompaniment and recordings (Karaoke style). Students will perform for each other.

**COURSE TITLE: Intro to Guitar – (General) (020)** **GRADES: 9-12**  
PREREQUISITE: None ½ credit  
Fine Arts Elective

COURSE DESCRIPTION: This general level elective is designed to provide an understanding of the basics of music including notation, basic chords and scales, key signatures, and time signatures. These fundamentals will be applied to performance on the standard six-string acoustic guitar. Performance will focus on individual melodies, chords, and contrapuntal pieces. Students will also compose their own works and explore improvisation as individuals and in groups.

**COURSE TITLE: Intro to Instrumental Music – (General) (021)****GRADES: 9-12**

PREREQUISITE: None

½ credit

Fine Arts Elective

COURSE DESCRIPTION: The course is designed to teach students how to play woodwind and brass instruments at a beginning level. Students will have a chance to learn beginning skills on each including creating a sound, learning how to read music, and getting to perform in a fun and inviting setting. The course has a maximum of 10 students. Music and Arts will be providing loaner instruments for this so no cost to students for renting/purchasing.

**COURSE TITLE: Chorus - Honors (022)****GRADES: 9-12**

PREREQUISITES:

½ credit

Fine Arts Elective

COURSE DESCRIPTION: This Honors Level course is open to all students with an interest in singing. Experience is helpful, but not required. The course will be performance based and will explore a variety of musical styles from different time periods and cultures. In addition, skills in sight singing, ear training, and musical notation will be developed and/or improved. Students will be required to audition for NHMEA All-State Festival in the fall (November) and to perform a jury in the spring (April). Both of the requirements will be assessed and graded. Please note that there is a lab fee for this course of \$15.00 to cover the cost of the All-State audition fee. Furthermore, students will have the opportunity to perform in and/or audition for NHMEA Jazz All-State Festival, NHMEA Large Group Festival, and the All New England Choral Festival at PSU, among others. Chorus may be retaken for credit with permission. Attendance at all group rehearsals and performances is mandatory.

**COURSE TITLE: Band – Honors (023)****GRADES: 9-12**

PREREQUISITES: Previous Instrumental Experience

½ credit

Fine Arts Elective

COURSE DESCRIPTION: Honors Band is open to all students who have an expressed interest in advancing their musicianship. Students taking Honors Band must audition for the NHMEA All State Music Festival. This audition will expose students to a high level of musical rigor beyond what CP Band has to offer. Honors students will also be required to perform a Jury, which is a performance in front of the music department faculty. Specific jury music requirements will depend on the instrument. This course may be retaken for credit with permission of the instructor. All Concert Band students must attend one weekly private or group lesson during common study hall time, before, or after school. Lesson times will vary according to semester and individual schedules. Attendance at all group rehearsals and performances is mandatory. Please note that there is a lab fee for this course of \$15.00 to cover the cost of the All-State audition fee.

**COURSE TITLE: Basic General Three-Dimensional Design (100)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: This general level course is offered to those students who are most interested in investigating materials and process relative to the three-dimensional arts. Emphasis will be on the ability to work from two-dimensional sketches when creating three-dimensional constructions. Students will work on a series of projects intended to familiarize them with a variety of methods to create three-dimensional artworks. Materials such as clay, plaster, cardboard, paper and found materials will be explored. Basic ceramic hand-building methods, potter's wheel techniques and sculpting the human form on armatures will also be introduced. Group and individual critiques, discussions, demonstrations, and visual presentations complement the in-class working sessions.

**COURSE TITLE: Basic Art I (CP) (101)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: This course investigates various ways of linking ideas, language and theory to art while exploring the art elements and principles. Students are introduced to rendering techniques for drawing and painting, basic two and three-dimensional design, and color theory. Emphasis will be on the relationship of these art elements to the artist and their environment and the students' creative expression. Students will explore a more complete understanding of aesthetics, art criticism, and art history while emphasizing studio production. Students who successfully complete Basic Art I by meeting all minimum competencies while maintaining a GPA of 85 or higher will permit them the opportunity to continue with other courses within the art curriculum.

**COURSE TITLE: Basic Art II (CP) (102)****GRADES: 9-12**

PREREQUISITE: Basic Art I or permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: This course is a continuation of Basic Art I (CP). Students, who successfully completed Basic Art I, will further explore the elements and the principles of art and expand their knowledge of art history and appreciation. There will be a greater emphasis of studio production building upon the knowledge and skills gained in Basic Art I. Basic Art II (CP) serves as a prerequisite for more advanced studio courses. Students who maintain a GPA of 85 or higher each marking term while passing all minimum competencies will provide them the opportunity to continue other courses within the art curriculum.

**COURSE TITLE: Basic Art General I (General) (103)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: This general level course will introduce students to the process of creating with visual art materials. Experimentation and craftsmanship utilizing specific materials will be emphasized. This course is aimed at developing the students' self-expression through the elements of art and principles of designing. Materials and areas to be studied may include two and three-dimensional design, ceramics, textiles, drawing, painting and printmaking. The students who successfully complete Basic Art General by meeting all minimum competencies while maintaining a GPA of 85 or higher will permit them the opportunity to continue with other courses within the art curriculum. This course will satisfy the fine arts requirement.

**COURSE TITLE: Band (CP) (104)****GRADES: 9-12**PREREQUISITE: Prior Instrumental Experience or with  
Permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: Open to all students who have passed the beginning level of proficiency for their instrument. The course will be performance oriented with an emphasis on teamwork and cooperative learning. Students will have the opportunity to perform a variety of musical styles and in a number of different configurations. Band members will have the chance to audition and participate in District, State and New England Music Festivals. May be retaken for credit with permission. All students are expected to schedule a private or group lesson with the Director either during common study hall time or after school. Lesson times will vary according to semester and individual schedules. **A minimum of 1.5 hours of practice per week outside of class is expected.** Attendance at all group rehearsals and performances is **mandatory**. **An unexcused absence will deduct 10 points from your grade.**

**COURSE TITLE: Chorus (CP) (105)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: Open to all students with an interest in singing. Experience is helpful, but not required. The course will be performance oriented and will explore a variety of musical styles from different time periods and cultures. In addition, skills in sight singing, ear training, and musical notation will be developed and/or improved. Students will have the opportunity to perform as soloists and in small ensembles, and to audition for participation in District, State and New England Music Festivals. Chorus may be retaken for credit with permission. Students may schedule a private or group lesson with the Director either during common study hall time or before or after school. Lesson times will vary according to semester and individual schedules. A minimum of 1 ½ hours of practice per week outside of class is expected. Attendance at all group rehearsals and performances is mandatory.

**COURSE TITLE: Piano I (General) (106)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: Piano I is open to all students who wish to learn how to play a keyboard instrument. Previous musical experience is helpful but not required. Instruction will be offered from beginning to intermediate levels with an emphasis on performance and basic music theory. Students will need access to a keyboard to do their out of class practicing.

**COURSE TITLE: Basic Art General II (General) (108)****GRADES: 9-12**

PREREQUISITE: Basic Art General I or permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: This course is a continuation of Basic Art General. Students who successfully completed Basic Art General, will further expand on the elements of art with emphasis on the principles of art in another primarily 2D art course at the general level. Students will create, respond, present and connect to their artworks through an understanding of the art elements and principles, numerous artists and through their own creative presentation of their works. There will be a greater emphasis on studio production and painting, building upon the knowledge and skills gained in Basic Art General I. Students who maintain a GPA of 85 or higher each marking term while passing all minimum competencies or with written approval from the curriculum coordinator, will provide them the opportunity to continue other courses within the art curriculum.

**COURSE TITLE: Woodcraft (General) (192)****GRADES: 9-12**

PREREQUISITE: None

½ Fine Arts credit

COURSE DESCRIPTION: This general level course introduces students to the process of creating a visual art product utilizing wood as a medium. The focus is to encourage self-expression and experimentation utilizing the elements of art and the principles of design. The course will include the history of woodcraft/woodworking; the study of styles (form vs. function); knowledge of the woodworking process; and class projects. A lab fee is charged.

**COURSE TITLE: Digital Photography (CP) (208)****GRADES: 9-12**

PREREQUISITE: Basic Art I CP or Basic Gen. Art, or with permission of Dean.

½ credit

COURSE DESCRIPTION: This course will introduce students to photography, in both traditional analog and digital forms. Lectures, demonstrations and hands-on experiences are designed to teach students the basic technical aspects of black and white photography, including camera controls, exposure, film enlarging from negatives, and print finishing and mounting. Assignments and critiques will emphasize the development of a camera vision and explore the aesthetic possibilities of photography as a visual medium. In addition, the students are introduced to special assignments involving digital imaging for the photographer. A nominal student lab fee is assessed to cover the

cost of special materials. Access to a manual 35 mm SLR film camera and DSLR camera is encouraged. **This is a dual enrollment class through SNHU with \$100.00 fee for the 3 college credits plus a \$35.00 Lab fee.**

**COURSE TITLE: Advanced Photography (CP) (209)**

**GRADES: 10-12**

**PREREQUISITE:** Grade of 85 or higher in Introduction to Photography (CP) ½ Fine Arts credit or permission of the Dean.

**COURSE DESCRIPTION:** This course is the continuation of Introduction to Photography. The main goal will be to give students an understanding of the various professional and fine art aspects of the photographic medium. Students will apply techniques acquired in the introductory course to a variety of photographic applications. Editorial, architectural, documentary and commercial photography is discussed. Assignments are geared towards the exploration of each area with an emphasis on understanding the relationships among exposure, film development, digital applications for the photographer, and the finished print. The course is devoted to extending the student's awareness and understanding of photographic image making and covers the extension of photographic principles into the digital realm. Archival processing for presentation is stressed. A portion of the class will be devoted to commercial applications, including digital imaging and the working relationship between photographer and art director/designer. A nominal lab fee is assessed to cover the cost of film etc. Access to a manual 35 mm SLR film and/or DSLR camera is encouraged. Students will continue to develop electronic imaging skills through the use of computer graphics technology.

**COURSE TITLE: Drawing & Painting I (CP) (210)**

**GRADES: 10-12**

**PREREQUISITE:** Grade of 85 or higher in Basic Art I & II (CP) or ½ Fine Arts credit permission of the Dean.

**COURSE DESCRIPTION:** This course is designed for students interested in expanding their drawing & painting skills. A variety of drawing and painting media will be utilized. Students will gain an increased awareness of their perceptual and problem solving skills. The student will be introduced to many techniques to allow them the opportunity to create and develop their own artistic style. Students will also develop analytical and interpretive solutions to their own drawings and paintings. Conceptual themes will be given and students will employ critical thinking skills. Students will also utilize digital and computer technology to assist in developing their drawing and/or painting skills. Students will participate in statewide competencies and exhibitions while beginning to developing an art portfolio.

**COURSE TITLE: Drawing & Painting II (CP) (211)**

**GRADES: 10-12**

**PREREQUISITE:** Grade of 85 or higher in Drawing & Painting I or ½ Fine Arts credit permission of the Dean.

**COURSE DESCRIPTION:** This course is the continuation of Drawing & Painting I. Students will apply drawing and painting skills acquired and begin to develop a personal style of rendering. The course will continue to expose students to a variety of drawing and painting media. Students will apply their increased awareness of their perceptual and problem solving skills to higher levels of understanding. The student will continually apply as many techniques to allow them the opportunity to create and refine their own artistic style. Students will expand on their development of analytical and interpretive solutions to their drawings and paintings. Students will also utilize computer technology available to assist in further developing their drawing and/or painting skills. Students will participate in statewide competition and exhibitions while further developing their art portfolio.

**COURSE TITLE: Ceramics/Sculpture (CP) (212)****GRADES: 10-12**

PREREQUISITE: Grade of 85 or higher in Basic Art I &amp; II (CP) or permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: This course is offered to those students who are most interested in investigating materials and process relative to the three-dimensional arts. Emphasis will be on the ability to work from two-dimensional sketches when creating three-dimensional constructions. Students will work on a series of projects culminating in more comprehensive final works. Materials such as clay, plaster, wire and found materials will be explored. Several ceramic hand-building methods and potter's wheel techniques will also be introduced. Group and individual critiques, instructor demonstrations, field trips and visual presentation discussions, complement the in-class working sessions.

**COURSE TITLE: Music Theory (CP) (213)****GRADES: 10-12**

PREREQUISITE: Students not currently involved in a CBNA music program must have permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: In this CP course, students are led beyond their playing knowledge, and have the opportunity to explore the why and how of music through improved understanding and musicianship. The class is taught seminar style with the free exchange of ideas highly encouraged. The course objectives include the following: 1) Students will improve their understanding of music notation and to develop a clear manner of writing music down on staff paper; 2) They will learn to recognize intervals through ear training exercises and the use of sight signing techniques (singing participation is required); 3) Students will become familiar with scale construction (major and minor) and the circle of 5ths; 4) They will understand the role of the conductor, and how to direct an ensemble from the podium; and 5) Students will be exposed to traditional harmony, chords, voice leading, and inversions that will assist the students in composing their own music.

**COURSE TITLE: Humanities (CP) (304)****GRADES: 11-12**

PREREQUISITE: CP English or permission of the Dean.

½ Fine Arts credit

COURSE DESCRIPTION: This course will investigate and integrate the study of various visual, verbal, and performing arts. Exploring the humanities will assist you in developing your abilities to observe, listen and read closely and to analyze, connect and question. As a result you will learn to navigate your world and come to a better understanding of your place in it. A survey of major works in art, literature, philosophy and the ideas, which motivate them, will be the focus. In-depth discussions will be an integral part of the course. Students will explore paintings, sculptures, music, poetry and theater as well as, film to develop a firm foundation in appreciation of the arts. Emphasis will be on the historical and social context of ideas and the development of personal values and criteria for personal judgments. Students are taught critical thinking skills to assist in revealing the ever-changing human attitudes toward people and artists through their conceptions of themselves, their social surroundings, and their place in the universe.

**COURSE TITLE: Advanced Placement in Studio Art (AP) (404)****GRADES: 11-12**

PREREQUISITE: A minimum of three-advanced art courses with a grade of 85 or higher, prior training in art, or with permission of the Dean.

1 Fine Arts credit

COURSE DESCRIPTION: This honors level full year course is intended for students who wish to pursue serious study in the visual arts. The *College Board's AP in Studio Art Program* drives this rigorous course. The *Advanced Placement (AP)* program is based on the belief that college-level material can be taught successfully to secondary school students. The recent audit by the College Board attests to the consistency the program aspires to. It is strictly designed for the student who is seriously dedicated and who will invest the time and effort needed to complete a strong portfolio. Students must be accepted into the AP Studio Art Program through the following criteria: previous

artwork, course work, dedication, and completed summer curriculum (if applicable). Once accepted, students will meet with the instructor and set up their independent plan of study or master plan. The student proposes, organizes and completes independently designed projects according to individual interest but must choose one of the following three AP portfolio options: *The Drawing Portfolio*, *The Two-Dimensional Design Portfolio* and *The Three-Dimensional Design Portfolio*. Each portfolio includes three sections: Section I **Quality**, (Artworks that excel in concept, composition and execution) Section II **Concentration** (A series of works organized around a compelling visual concept chosen by the student) and Section III **Breadth**. (These works demonstrate broad experience and accomplishment and may include variety of style, media, subject, and cultural influences etc.) Themes may relate and require research that involves the students in successfully mastering creative problem solving skills. Over the course of the year, a strong, highly polished, competitive, quality portfolio is compiled. When completing this portfolio the student's goals should be to receive the highest score of a "5", which in most cases will ensure them college credit. At the end of the second semester a portfolio/exam (along with fee) is submitted to the *College Board* for evaluation and consideration of college credit and/or Advanced Placement. This course can be molded to fit any student's schedule, but it is strictly for motivated art students! Several hours outside the class-time is expected. The AP exam fee is approximately \$90.00 (financial assistance is available.)

**COURSE TITLE: Independent Study in Art (Honors) (405)**

**GRADE: 11-12**

**PREREQUISITE:** A minimum of three advanced art courses with a prior approval by the Curriculum Coordinator with a grade of 85 or higher and/or the recommendation of the Curriculum Coordinator, or with permission of the Dean. ½ Fine Arts credit

**COURSE DESCRIPTION:** This honors level repeatable semester course is designed for the student whose specific objectives are not met in the AP Studio Art Program and who wish to pursue serious study in the visual arts. Students will meet with the instructor and set up an independent plan of study. The student proposes, organizes and completes independently designed projects according to individual interest. Periodically, the instructor will lead the class on specific assignments. Themes may relate and require research activity that involves the students in successfully mastering creative problem solving skills. Students should begin to focus their concentration in one or two media. Over the course of the semester a strong, highly polished, competitive, quality portfolio and/or project is compiled. This portfolio can then be used in the admissions procedure for most art schools or University art departments. This course can be molded to fit most student's schedule, but it is strictly for the motivated art student! This course will meet simultaneously with the AP in Studio Art Program. Several hours outside the class time is expected.

## CO-CURRICULAR ACTIVITIES

An important part of learning takes place outside the classroom. A wide variety of activities are enjoyed by Coe-Brown students.

### INTER-SCHOLASTIC ATHLETICS

Coe-Brown competes in Division II athletics for men and women. Consistent winning records attest to the strong support of the student body, staff and community.

Fall Sports - Mid-August to November:

- Girls' Soccer – Varsity and J.V.
- Boys' Soccer – Varsity and J.V.
- Girls' Volleyball – Varsity and J.V.
- Girls' Cross Country – Varsity and J.V.
- Boys' Cross Country – Varsity and J.V.
- Varsity Golf – Boys and Girls
- Bass Fishing – Boys and Girls

Winter Sports – Mid November to Mid-March:

- Girls' Basketball – Varsity, J.V. and Reserve
- Boys' Basketball – Varsity, J.V. and Reserve
- Girls' Winter Track – Varsity
- Boys' Winter Track - Varsity
- Boys' Hockey
- Girls' Swimming
- Boys' Swimming
- Girls' Gymnastics

Spring Sports - Mid-March to June:

- Softball – Varsity and J.V.
- Baseball – Varsity and J.V.
- Varsity Track – Boys and Girls
- Junior Varsity Track – Boys and Girls
- Varsity Tennis – Boys and Girls
- Junior Varsity Tennis – Boys and Girls
- Boys' Volleyball
- Girls' Lacrosse – Varsity and J.V.
- Boys' Lacrosse – Varsity and J.V.



## **CO-CURRICULAR CLUBS AND ORGANIZATIONS**

The Academy offers many special interest activities and clubs for students. The following organizations are currently active and serving the school and community. Additional clubs may be added as student interest arises.

**ANCIENT GREEK CLUB-** Club members are very curious people! They seek to learn a brand new alphabet and learn the grammatical system that produced the words of Socrates, Aristotle, and Plato. If you like riddles or codes, this is the club for you! While several students in the club have already been studying Latin, Russian, French, Chinese, or Spanish, freshmen are invited to join as well. No previous language experience is necessary. Curiosity is the only prerequisite.

**ATHENA CLUB-** is an opportunity for a select group of young women, in the tenth grade, to meet together, tackle activities and explore what it means to be a female leader in today's world. Topics that will be explored include: historical fight for equality, women and the arts, the beauty ideal, friendships, violence against women, world issues, risk-taking, and mentoring.

**BIBLE CLUB** – The Bible Club is a place inside the Coe-Brown community to give hope, create friendship, provide a socially safe place for students, and above all else, to share the love of Jesus Christ. This club will reach out into the surrounding community by providing community service.

**BOYS A CAPPELLA GROUP/GIRLS A CAPPELLA GROUP/SHOW CHOIR** – Membership in the CBNA Chorus is a prerequisite unless otherwise cleared by the director. Rehearsal times (always outside of school day) and performances will be determined from semester to semester based on the composition of the groups and their abilities.

**CHEMISTRY SOCIETY-** The goal of Chemistry Club is to explore chemical reactions and educate students through scientific experimentation. Members research, design, and carry out experiments not included in their coursework and delve deeper into concepts of interest. The club includes students of all grade levels and chemistry backgrounds.

**CREATIVE WRITING CLUB-** Members will meet once a week to support student writers in their creative endeavors. This is a student run group that is open to all students who enjoy writing of all types and who are looking for a supportive group to write with, give and receive feedback, and participate in guided and self-directed projects.

**DEBATE CLUB-** The Debate Club's goal is to allow students to experience different styles of debate in a friendly and exciting environment. Students will work in teams and individually to research opposing sides of different topics and present them in varying styles. Students will become educated in current issues and learn how to present facts and opinions in a friendly, but organized manner.

**DRAMA CLUB** – The Drama Club is open to all students interested in the performing arts. Two major productions are scheduled each year to provide students with a variety of experience in the production of plays. In addition, there are opportunities for students to work on student directed one act plays, to attend statewide drama festivals and to participate in improvisation groups.

**FILM CLUB** – The Film Club provides an outlet for students wanting to develop or improve their filmmaking skills. Advisors provide insight, examples and anecdotes to help the filmmakers refine their own ideas, productions and overall quality. Occasional CBNA film competitions incite the members to make films and to focus on certain techniques. Finished products are watched during

club meetings. The final goal is to submit an end-of-the-year project to the New Hampshire High School Short Film Festival, a festival showcasing New Hampshire's best high school films.

**INTERNATIONAL THESPIAN SOCIETY** – Coe-Brown students have the opportunity to become members of the International Thespian Society, an organization that recognizes theatre students for their excellent participation in theatre related activities. Induction to ITS is available to students once per year, based on specific criteria related to excellent work in theatre productions.

**JAZZ BAND** – Rehearsals for Jazz Ensemble normally begins after Pep Band has concluded. Instrumentation is based on the traditional Big Band set-up i.e.; trumpets (5) trombones (4) saxes (5) and rhythm section consisting of piano, bass, guitar, and drums. Preference will be given to members of the CBNA Band Program and audition will be held as necessary. The Jazz Band is an advanced level group. Students are expected to be at all rehearsals and performances and to prepare outside of rehearsals. Repertoire will be chosen from all categories of Jazz including Swing, Latin, Ballads, and Jazz-Rock.

**LITERARY MAGAZINE** - The literary/art magazine, *Paragon* is published yearly in May. The goal is to present in a professional manner the very best of student generated literary, visual and academic work produced during the current school year. The magazine staff is composed of students and advisors who meet on a weekly basis throughout the school year. Being on the staff provides experience in writing, marketing, selecting content, editing, graphic design, and distribution. Preparations to produce the magazine are done by the magazine staff using state-of-the-art creative software. The magazine has garnered national awards each year from Columbia Scholastic Press Association and National Council of Teachers of English.

**MATH TEAM** - The Math Team is open to any student in a college prep math course. Coe-Brown competes in the Southeastern Conference Math League and the State of New Hampshire Mathalon.

**NATIONAL ART HONOR SOCIETY (NAHS)** – Designed by the National Art Education Association for high school students in grades 10, 11 and 12, for the purpose of inspiring and recognizing those students who have shown an outstanding ability in art. The NAHS strives to aid its members in working toward the attainment of their highest potential in art areas, and to bring art education to the attention of the school and community. Students are nominated based on previous art class work. Candidates will follow up with an application and a portfolio review. Criteria for membership emphasize outstanding artistic scholarship and service to the school and community through the development of artistic endeavors together with a strong moral character. Students who have completed one year of secondary art instruction are eligible for selection and shall have maintained a minimum art scholarship of a “B” grade or higher.

**NATIONAL FRENCH HONOR SOCIETY** - The Society aims to stimulate interest in the study of French, to award high scholastic achievement and to promote international friendship. To be eligible for membership, a student must be enrolled in the second semester of French II (or above) and must have maintained an A- average or higher in French during the semester of selection as well as a cumulative average of A- (based on grades of three preceding semesters) and a B- average or higher in all other subjects.

**NATIONAL HONOR SOCIETY** – The National Honor Society is a leader among organizations and societies that promote appropriate recognition for students who reflect outstanding accomplishments in the areas of scholarship, character, leadership and service. Membership is often regarded as a valid indicator that the student will succeed in life and particularly in studies at the post-secondary level. Students are elected to the Honor Society by the faculty.

**NATIONAL LATIN HONOR SOCIETY** – In 2000, CBNA established a chapter of the National Latin Honor Society for the sole purpose of recognizing exemplary performance in the study of Latin. Students who have completed Latin II and are currently enrolled in Latin III are chosen based on grades and dedication to the study of the Latin language.

**PEER HELPERS** – A select group of upper-classmen chosen to represent CBNA at various schoolwide events. Peer Helpers sponsors the 8<sup>th</sup> grade Lock-In, provides tutorials to the Strafford and Northwood Elementary School students, and takes part in other CBNA and community-based charitable activities. These students also serve as CBNA ambassadors to new and transfer students, and mentor students who are struggling academically and/or socially. Meetings are held weekly, and attendance is mandatory. **Membership:** Juniors and seniors are chosen through an application and interview process. Qualifications for membership include, good academic standing (passing at least 4 courses), positive references, no discipline issues, no attendance issues, abstinence from drugs and/or alcohol, and an overall good character. Faculty Contacts: Tara Tenasco (tatenasco@coebrown.org) and Jennifer Cox (jcox@coebrown.org), Guidance Counselors.

**PEP BAND** - The CBNA Pep Band provides musical support to our basketball program. Rehearsals begin in the fall and students who sign-up need to make a commitment for the entire season. Typically this involves games during the February vacation. The Pep Band will perform at home games of both the boys' and girls' basketball teams and selected tournament games. Band students are highly encouraged to participate as it gives the Band program great exposure and offers students the opportunity to perform popular music in a casual setting.

**PROJECT POMEGRANATE**- This is a new club (established 2017-2018 school year) that will be conducting clothing/supply drives at CBNA and then distributing the collected items to individuals experiencing homelessness in Cambridge, MA. Students will be collecting unopened packages of socks and boxers, bottles of water, and granola bars. Members will also prepare and bake sandwiches and cookies to distribute. This club gives students the opportunity to gain organizational skills by managing the drives and publicity while also promoting face-to-face contact with those they wish to help, allowing students to learn the names and shake the hands of real people who are not very different from themselves.

**PROJECT SEARCH** - Project SEARCH is a collaborative program between the University of New Hampshire and area high schools designed for advanced high school students. The program provides an on-campus, intellectually challenging experience for academically motivated juniors and seniors. Goals of the program include fostering positive attitudes toward the exploration of new and challenging ideas as well as providing a forum where high school students can interact with each other in a series of challenging interdisciplinary seminars and discussions. SEARCH is an “honors” program in that students invited to participate must meet a series of academic and social criteria and must be recommended by their teachers.

**QUIZ BOWL**- Team members will meet weekly to enhance their trivia knowledge. Students travel to various competitions across the state to compete with fellow trivia teams from other high schools.

**SCIENCE & ROBOTICS CLUB** – The Science Club provides an opportunity for students from all grades interested in exploring science at a level beyond that of the classroom. Areas such as ecology, meteorology, robotics, computer applications, chemistry, and electronics may be explored on an individual basis with the help from the advisers. The club currently plans on competing in the state VEX Robotics Tournament.

**SELECT CHORUS** – This elite group is chosen at the beginning of the school year through an audition process. Membership in the CBNA Chorus is a prerequisite. The number of people chosen will range from 12 to 20 depending on what is needed to achieve balance. The Select Chorus

rehearses regularly and attendance is expected. A wide range of musical styles is explored from Renaissance to Contemporary. Performance dates include the two major concerts and singing the National Anthem at home basketball games as well as other special events that developing during the school year.

**SPANISH HONOR SOCIETY** – In 1999, CBNA established a local chapter of the Sociedad Honoraria Hispanica sponsored by the American Association of Teachers of Spanish and Portuguese. The Sociedad purposes to stimulate interest in the study of Spanish, to award high scholastic achievement and to promote communication in Spanish throughout life.

**STUDENT COUNCIL** – Four elected representatives from each class make up the Student Council. In fostering and coordinating student activities, such as Winter Carnival and prom, as well as being the representative voice for students to Administration, the Council fulfills an essential part of student life.

**STUDENT-ATHLETE LEADERSHIP TEAM (S.A.L.T.)**- is a practical program that focuses on student-athletes and what they can do to be better leaders both for their team and for the rest of the community. Student-Athletes will meet twice a month to discuss leadership, influential figures, integrity, sportsmanship, and other topics in athletics.

**THE HONOURABLE SOCIETY FOR PHILOCUBISM** – The Honourable Society for Philocubism is dedicated to the experience and exploration of games in all their myriad forms: board games, card games, and (above all others) role-playing games. It is comprised of the most varied and inventive individuals: theatrical and enthusiastic role-players, intense and dedicated gamers, explorers of the exciting unknown, and artisans of unparalleled creativity. The Society's chief purpose is the providence of these members through the media of tabletop gaming, allowing them to craft unique persons and explore fantastical realms of the imagination in an activity that is equal parts social, intellectual, and artistic. It is open to all manner of persons who find themselves drawn to this sort of experience, and likewise it is open to the possibility of all styles and genres of game that members may wish to pursue. At its heart, it is a society for the honourable furthering of philocubism: the most profound love of games involving dice.

**TRI-M MUSIC HONOR SOCIETY**- is the international music honor society designed to recognize students for their academic and musical achievements, reward them for their accomplishments and service activities, and to inspire other students to excel at music and leadership. It is open to students in grades 10-12. Members must maintain a 90 average in any music class, as well as an 85 average in all other classes during the year. Members also need to obtain all 1's and 2's in effort and conduct for all four making terms, and participate in a community service activity for a minimum of two hours. Most importantly, members need to demonstrate respect, responsibility, trustworthiness, fairness, and good citizenship.

**ULTIMATE CLUB** – Ultimate isn't just a fast-action sport with flying discs; it is frame of mind. This inclusive club teaches players the rules of the game and fosters teamwork, team unity, respect for each other and respect for the game. It is a great way to get great exercise while having fun.

**YEARBOOK** – Chronicle, our yearbook, is the record of our aspirations and accomplishments. The yearbook staff works all year long with their advisor to collect, collate, edit and lay out an annual record of excellent quality.

## INTER-CURRICULAR ACTIVITIES

**THE NATIONAL FFA ORGANIZATION** (formerly known as the Future Farmers of America) - The FFA is an organization for those students interested in a career in the industry of agriculture and related technologies. Members conduct and are engaged in activities to increase not only their knowledge of agriculture, but also to increase their abilities in leadership, citizenship, and cooperation. The largest and most active of the student organizations, the Coe-Brown Academy chapter of the FFA has consistently won distinction at regional, state, and national levels. A wide variety of activities keep members busy throughout the school year. Some major projects include greenhouse production, citrus sale, spring and fall interscholastics and FFA State Convention. Members must be concurrently enrolled in an Agricultural Education course.

**FAMILY, CAREER AND COMMUNITY LEADERS OF AMERICA** – Formerly known as FHA, the Coe-Brown Northwood Academy chapter was established in 1947. FCCLA combines peer education, individual achievement, and community projects to promote character development, creative and critical thinking, inter-personal communication, practical knowledge and the skills needed to enhance one’s life. Membership is recommended for any student enrolled in Family & Consumer Studies.

**FUTURE BUSINESS LEADERS OF AMERICA (FBLA)** – The Coe-Brown Academy chapter of the FBLA is designed to complement any business course by applying what has been learned to state competitions in various business skills. The Chapter is open to any student who has completed a full year in a business course with a “C” average or better. The Chapter offers a variety of activities in different categories to meet state requirements. Also included are two conferences – the Fall and Spring Leadership Conference. It is guaranteed to be fun and rewarding.

**COE-BROWN NORTHWOOD ACADEMY  
504 REHABILITATION ACT OF 1973  
POLICY FOR NON-DISCRIMINATION ON THE BASIS OF  
HANDICAP**

It is the intent of Coe-Brown Northwood Academy that the Board and its employees will not discriminate against any intended beneficiaries of statutory protection (including but not limited to students, employees, parents, guardians, other members of the community or applicants for employment or admission) on the basis of handicap in the admission and access to, or treatment and employment in, any of the Coe-Brown Northwood Academy programs and activities, policies, procedures and practices, as and to the extent provided by law.

Coe-Brown Northwood Academy recognizes its responsibility to identify students who are qualified handicapped persons under Section 504 of the Rehabilitation Act of 1973, and to provide them regular and/or special education and related aids and services that are designed to meet their individual educational needs as adequately as the needs of non-handicapped students are met.

Procedures to carry out this policy will be developed and revised by the Headmaster and his/her designees as needed.

Inquiries, complaints, and other communications relative to this policy shall be addressed to the following person designated for this area:

Ms. Jennifer Burns  
Coe-Brown Northwood Academy  
907 First New Hampshire Turnpike  
Northwood, NH 03261  
(603) 942-5531

**COE-BROWN NORTHWOOD ACADEMY  
RIGHTS AND PRIVACY OF STUDENT RECORDS  
POLICY NUMBER 1-14**

**PURPOSE:**

To protect the rights and privacy of students by maintaining confidentiality of student records

**POLICY:**

The Board of Trustees of Coe-Brown Northwood Academy will delegate to the Headmaster the responsibility for developing and implementing procedures to insure that student records are kept confidential.

These procedures will include a process whereby parents/guardians can access their child/ward's records at a mutually convenient time during the regular school day. This will be the same for students who are 18 years or older.

The school will require prior written consent before any directory information may be divulged to third parties. An exception to this rule exists for school district employees who have a legitimate interest in viewing the records, as well as officials in other secondary school in which the student seeks to enroll.

**COE-BROWN NORTHWOOD ACADEMY  
SEXUAL HARASSMENT/VIOLENCE PREVENTION POLICY  
POLICY NUMBER 6-10**

**PURPOSE:**

To maintain a teaching and learning environment free from sexual harassment of any kind

**POLICY:**

The Board of Trustees will not tolerate any act of sexual harassment or violence. Any person who does either of these violates the law and will face disciplinary action up to and including dismissal from school or termination of employment.

Sexual harassment is a form of sex discrimination which violates Section 703 of Title VII of the Civil Rights Act of 1964, as amended, 42 U.S.C. B2000e, et seq., and Title IX. Sexual violence is a physical act of aggression that includes a sexual act or sexual purpose. Unwelcome sexual advances, requests for favors and other verbal or physical conduct of a sexual nature constitutes sexual harassment when:

- Submission to such conduct is made either explicitly or implicitly a term or condition of a person's employment, academic standing or advancement, or participation in a school activity program;
- A person's submission to or rejection of such conduct is used as a basis for a decision affecting that person's employment, academic standing or advancement, or participation in a school activity or program; or
- Such conduct has the purpose or effect of unreasonably interfering with a person's employment, academic progress or achievement, or school program or activity participation, or creating an intimidating, hostile, or offensive environment.

Sexual harassment includes, but is not limited to, verbal harassment or abuse of a sexual nature, display of drawings, photos, cartoons, graffiti or other pictorial communication of a sexual nature, unwelcome touching of a sexual nature, including pinching, stroking or grabbing, demands or request for sexual contact or favors sexual violence which is a physical act of aggression that includes a sexual act or sexual purpose, or unwelcome lewd remarks, stories or jokes.

It is the responsibility of the Headmaster to implement procedures to effectively address any incidents of sexual harassment/violence. This shall include assigning the Dean of the Division of Student Services as the person responsible for receiving any reports of such incidents. The Dean shall be responsible for implementing the procedures for investigating, making recommendations to the Headmaster for action and completing all required documentation.

The person making the report may appeal the final decision from the investigation to the Headmaster. If they are not satisfied with the decision of the Headmaster they can appeal the decision to the Board of Trustees. The decision of the Board of Trustees will be final.

The Headmaster will have responsibility for implementing any recommendations from the investigation and notifying the Board of Trustees of the results.

The Board of Trustees will not tolerate any retaliation against an individual making a report of sexual harassment/violence or individuals who testify or assist in any way with the investigation. Those who attempt to retaliate will face disciplinary action up to and including dismissal from school or termination of employment.

All reports and investigations of sexual harassment/violence are confidential. This means that no school employee or administrator shall disclose the names of alleged victims or perpetrators to anyone except as may be necessary to conduct an appropriate investigation or to comply with state or federal laws.

Any individual experiencing sexual harassment/violence has the right to pursue other avenues of recourse including filing charges with the Commissioner of Education, initiating civil action or seeking redress under state criminal statutes and/or federal law.

Any individual with a sexual harassment complaint may choose to bypass this policy and proceed directly to the NH Commission on Human Rights, or US Department of Health and Human Services, Office of Civil Rights.

Nothing in this policy limits the schools obligation to report criminal conduct or to cooperate in criminal investigations conducted by law enforcement authorities.



**COE-BROWN NORTHWOOD ACADEMY  
NONDISCRIMINATION POLICY  
POLICY NUMBER 1-13**

**PURPOSE:**

To insure equal employment and participatory opportunities to employees and students and to protect against discrimination.

**POLICY:**

The Board of Trustees of Coe-Brown Northwood Academy, in accordance with the requirements of the federal and state laws, and the regulations which implement those laws, hereby declares that it is the policy of the Board, in its actions and those of its employees, that there shall be no discrimination on the basis of gender, sexual orientation, race, color, religion, nationality, ethnic origin, age, or disability for employment, in participation in admission or access to, or operation and administration of any educational program or activity at the school.

Inquiries, complaints, and other communications relative to this policy and to the applicable laws and regulations concerned with non-discrimination shall be received by the Headmaster or his/her designee. The Headmaster will insure that there are appropriate procedures in place to deal with inquiries or complaints relative to discrimination.

**This policy implements PL 94-142, Section 504 or the Rehabilitation Act of 1973, Title II of the Americans with Disability Act, Title VI or VII of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, and the laws of New Hampshire pertaining to non-discrimination**

**COE-BROWN NORTHWOOD ACADEMY  
GRIEVANCE POLICY  
POLICY NUMBER 1-16**

**PURPOSE:**

To clarify the process for students or their parents/guardians who have a grievance regarding issues with the Academy

**POLICY:**

It is the policy of the Board of Trustees of Coe-Brown Northwood Academy to insure that students and/or their parents/guardians have a means to address any potential grievance they have with the school.

The Headmaster will be responsible for establishing procedures for these parties to follow to resolve the problem. It is important to note that concerns regarding sexual harassment or discrimination will need to follow the specific policies and procedures established for these areas. The Headmaster will insure that there is a designated employee(s) available to handle complaints in these areas.

If the party with the grievance is not satisfied with the result they may take their concern to the Board of Trustees. The request for a hearing must be in writing to the President of the Board. The Board will have 60 days to review the facts, determine if a hearing is necessary, and make a decision. The decision of the Board is final.

**COE-BROWN NORTHWOOD ACADEMY  
BULLYING AND INTIMIDATION  
POLICY NUMBER 6-12**

**PURPOSE:**

To protect the right of students, faculty and staff to feel safe at school and school related events

**POLICY:**

The Board of Coe-Brown Northwood Academy is committed to providing all pupils a safe school environment in which all members of the school community are treated with respect. The Board believes that preventing bullying is critical for creating and maintaining a safe, secure and positive school climate and culture, supporting academic achievement, increasing school engagement, respecting the rights of all individuals and groups, and building community.

This policy shall apply to all pupils and school-aged persons on Coe-Brown Northwood Academy grounds and participating in school functions, regardless of whether or not such pupil or school-aged person is a student within the Coe-Brown Northwood Academy.

The Headmaster and/or his designee are responsible for ensuring that this policy is implemented.

The Board fully supports and gives authority to the Headmaster and/or his designees to address any form of bullying and to take appropriate disciplinary action up to and including dismissal from the school. This policy supports the rights of the school to address issues of bullying that occur:

- a) on, or is delivered to school property, school sponsored event or activity on or off school property or
- b) occurs off or outside school property or activities or events if the conduct interferes with a student's educational opportunities or substantially disrupts the operations of the school or school-sponsored event or activity

The Board authorizes the Headmaster and/or his designees to develop appropriate procedures to implement this policy. These procedures will address defining the types of unacceptable behavior, indicate the types of disciplinary action that may be taken, document what will occur if there is deliberate false reporting by students or employees, actions that may be taken to protect a student from reprisals, and methods for distributing the policy/procedures to students, staff, volunteers, parents and guardians. Most importantly these procedures will include a clear process for students and staff to report bullying and suspected bullying, methods to effectively document all NH Department of Education forms, and a process for notifying parents. There may be instances where it is deemed to be in the best interests of the victim or perpetrator not to inform the parents. In those cases the Headmaster will have the authority to waive the requirement to notify the parents. The procedures will also include a clearly defined process for investigating the alleged bullying with specified responsible parties, time frames, factors to take into account in making a final decision and timelines for notifying the students and their parents/guardians. The procedures will indicate the types of remedial actions and consequences that may be taken when the reported abuse has been substantiated.

An appeal process will also be included in the procedures. These will be in compliance with RSA 193:13, ED 317 and applicable Academy policies. The student and the parents/guardians will be notified of the appeal process.

Any student or staff member who believes that they have been subjected to harassment or bullying, or who has witnessed or has reliable information that another school community member has been subject to harassment or bullying, as defined above, shall report it to the Headmaster or to the Dean of the Division of Student Services.

The Board also authorizes the Headmaster and/or his designee to identify, develop, implement and review any and all programs or approaches that may be instituted at the school to address bullying behavior. The Board welcomes and authorizes the Headmaster to seek out ideas and feedback from students, staff, parents/guardians and the public in identifying positive approaches to handling this issue. The Board of Trustees also gives notice that audio and video recordings may be made on school buses or school property at any time. Notice of this will be included in the Student Handbook.