

MANCHESTER MEMORIAL HIGH SCHOOL



PROGRAM OF STUDIES 2020 - 2021

**MANCHESTER MEMORIAL
HIGH SCHOOL**
One Crusader Way
Manchester, New Hampshire
03103-3099

TELEPHONE
MAIN OFFICE - (603) 624-6378
FAX - (603) 628-6009

ADMINISTRATION
Arthur L. Adamakos, Principal
Jonathan P. Barry, Assistant Principal
Mary-Jo Bourque, Assistant Principal
Michel D. O'Rourke, Assistant Principal

GUIDANCE COUNSELORS
Erika Barnes
Joanne Cockerill
Teri Gatzoulis
Jonathan LeBlanc
Richard Robitaille
Lisa Smith
Bridget Parece-Grogan*
*Student Assistance Program Coordinator

Key to Course Descriptions

Placement of freshmen in appropriate courses is determined by middle school officials and parents who will make decisions based on the criteria as outlined in the Course Placement Guidelines. Placement of all other students is subject to students meeting indicated prerequisites and recommendations by parents, students, and/or the professional staff.

(FND) - Foundations (Mathematics and Science only)

These courses enhance students knowledge in a subject area, while guiding students towards developing skills such as problem solving that are needed for post secondary success.

(CCP) - Career & College Preparatory

These courses are designed for students to allow a great deal of opportunity in post secondary education and career planning. They will provide continued exposure and reinforcement of those skills and knowledge necessary for understanding and success now and in the future.

(ACP) - Accelerated College Preparatory

These courses are designed for college-bound students who have demonstrated previous academic success. Pace, depth of knowledge, and pursuit of critical skills characterize courses at this level.

(COL) - Running Start or Dual Enrollment

These courses may also earn college credit at Manchester Community College or Southern New Hampshire University depending on the location. Not all COL courses at every school will earn college credit. See the instructor at school for details.

(HON) - Honors & Advanced Placement

These rigorous courses of study are designed for students whose skills have progressed beyond the mastery level. These courses emphasize higher-ordered thinking skills, independent and self directed research, and stress problem-solving in multidisciplinary contexts.

MANCHESTER SCHOOL DISTRICT NON-DISCRIMINATION POLICY

It is the policy of the School Board, in its actions, and those of its employees, that there shall be no discrimination on the basis of gender, race, religion, nationality, ethnic origin, age or handicap, for employment in, participation in, or operation and administration of any education program or activity in the Manchester School District.



MANCHESTER SCHOOL DISTRICT STRATEGIC PLAN

Manchester School District Strategic Plan is the result of our belief that all students achieve their full potential by participation in an educational experience that is relevant, challenging and individualized, an experience that shares such common values as equity, cultural understanding, accountability and leadership and was designed based on the over arching goals of achievement, innovation, instruction, collaboration, early learning, and safety for all students in all schools.

WHAT MAKES MEMORIAL A SPECIAL INSTITUTION OF LEARNING?

- *Wide array of courses including four world languages and 13 Advanced Placement courses*
- *Dual enrollment programs/Running Start programs with public colleges - MCC and Southern New Hampshire University*
- *Virtual High School program*
- *World language exchange program with Neustadt an der Weinstrasse, Germany*
- *Award-winning music programs*
- *Nationally recognized art students*
- *Many co-curricular activities and over 40 athletic teams*
- *8 out of 10 seniors attend a post-secondary school including most recently MIT, Dartmouth, the US Military Academy, the University of North Carolina, Marquette, UNH, SNHU and MCC.*
- *Several honor societies including the National Honor Society, the National Art Honor Society, The National Latin Honor Society, the National English Honor Society for High Schools, The American Sign Language Honor Society, and the Tri-M Music Honor Society*
- *Our award winning FIRST Robotics Team 238*
- *Our national and state award winning DECA program*
- *Community service projects with the Key Club of Manchester*
- *Musical performances by our student theater group, the Crusader Players*
- *A schedule that includes career and technical programs at the Manchester School of Technology and academic programs at Memorial*
- *The Memorial High School Hall of Fame boasts graduates who are well renown military leaders, famous athletes (5 professional), politicians, writers, physicians and lawyers, and software developers.*

PRINCIPAL'S MESSAGE

Please read this Program of Studies thoroughly. Included is the information you need to make an intelligent selection of courses for the 2020-2021 school year. It is imperative that the selections are made with much thought and with the involvement of your parents, teachers and school counselors.

I hope that you have an exciting and challenging school year. Our curriculum offers you the opportunity to become prepared to meet the challenges which you will face after graduation. On behalf of the professional staff at Manchester Memorial High School, I wish you much success!

Arthur L. Adamakos, Principal

ABOUT MANCHESTER AND MANCHESTER MEMORIAL HIGH SCHOOL

Metropolitan Manchester is the largest city in the state with a population of approximately 110,000. It is an urban city representing all socioeconomic levels.

Manchester Memorial is a four-year comprehensive high school with an enrollment of approximately 1,425. The school offers students a high quality academic and social experience which is unsurpassed and prepares students well for the rigors of citizenship in America in the new millennium. As you experience the celebration of diversity and the traditions of our high school, you will learn that Memorial Pride lasts for your entire life.

Accredited by the New England Association of Schools and Colleges (NEASC), Memorial has a variety of course offerings. Using the Program of Studies, you can select from this varied assortment and put in place a program tailor-made to your interests. Memorial also has available a wide range of extra curricular organizations, club and athletic programs. No student will maximize their potential without participating in one of these fine groups. The range in scope is impressive. Memorial has programs which relate to every area of course content, organizations which promote civic responsibility and diversity, and an athletic program with enormous tradition.

GRADE PLACEMENT

A student will achieve the grade level listed when the corresponding credits have been earned:

Sophomores → 4 credits
Juniors → 9 credits
Seniors → 15 credits

WITHDRAWAL FROM CLASS

Students are given many opportunities to make suitable choices in selecting courses and classes through the various orientation programs. It is essential that students plan their schedules so that withdrawals are limited.

PROCEDURE FOR A WITHDRAWAL FROM CLASS
1. All withdrawals must be initiated through the guidance office and a guidance counselor.

2. Students must complete the Request for Change of Schedule form in sequence.

3. Students, with parental endorsement, insisting upon withdrawal without the recommendations of the Administration, shall receive a failing grade (WF) and will be assigned a study hall. This policy pertains to all courses, including sequential semester courses.

MANCHESTER SCHOOL DISTRICT GRADING SCALE

NUMBER GRADE	LETTER GRADE	UNWEIGHTED GPA VALUE	WEIGHTED GPA VALUES			
			HON	ACP	CCP	FND
100-90	A	4.00	12.00	10.00	8.00	6.00
89-85	B+	3.50	10.50	8.75	7.00	5.25
84-80	B	3.00	9.00	7.50	6.00	4.50
79-75	C+	2.50	7.50	6.25	5.00	3.75
74-70	C	2.00	6.00	5.00	4.00	3.00
69-65	D	1.00	3.00	2.50	2.00	1.50
64-0	F	0.00	0.00	0.00	0.00	0.00
	WF	0.00	0.00	0.00	0.00	0.00
	N	AUDIT		NO VALUE		

Principal's List is an average between 3.85 and 4.00; High Honors is an average between 3.5 and 3.84; Honor Roll is an average between 3.0 and 3.49. Students who fail classes are not eligible for principal's list, honors or high honors.

EARLY GRADUATION POLICY (BOSC Instruction 130)

The Board of School Committee supports early graduation as a means to earning a high school diploma. Parental involvement for students under the age of 18 is required. Students wishing to participate in early graduation must:

- Submit a written request to his/her school principal no later than one academic semester prior to the desired date of graduation.
- The written request shall include a statement of reason for early graduation as well as the student's post-secondary plan.
- Meet all local and state requirements for graduation as determined by the school principal.
- A student who has successfully met the criteria established above, at the discretion of the principal, shall receive his/her diploma. S/He shall be eligible for all graduation activities and events for his/her year of graduation. Pending the issuance of diploma, early graduates shall be given a letter certifying completion of graduation requirements.
- Any student approved for early graduation in three (3) or fewer years has the option of participating in the graduation exercises of the current year or in the student's class year.

Early graduation requests shall be granted by the principal if:

1. The aforementioned requirements are met.
2. Early graduation is related to the student's educational or career plans.
3. There are other reasons sufficient to justify the request to graduate early.

ADULT EDUCATION PROGRAM (BOSC Instruction 132)

The Adult Education Program is affiliated with the Manchester School District and the New Hampshire Department of Education. It is available to any person 16 years of age or older who wishes to complete the requirements for a Manchester School District high school diploma.

1. To be eligible to attend the Adult Education Program on a full-time basis, a student must receive approval to enroll from his/her high school principal. A student must present the principal with a plan outlining justification for attendance.

2. A high school student seeking to take an Adult Education Program course while retaining his/her status as a full-time student at his/her high school shall be allowed to take Adult Education Program courses only if these courses cannot be scheduled at his/her high school.

3. A student may not enroll in fewer than five courses at his/her Manchester high school while taking course concurrently at the Adult Education Program.

4. Adult Education Program applicants with more than 24 credits in a school year may be excluded from consideration.

5. An alternative education student seeking to access the Adult Education Program must obtain permission from the alternative education director.

6. Students who enter high school at 16 years of age or older and who are counseled by their high school to attend the Adult Education Program shall have all costs waived by the district.

Manchester School District students are allowed to transfer credits earned from the Adult Education Program to their high school for the purpose of graduation. This privilege shall expire on the third anniversary of the student's original expected year of graduation. Expected year of graduation is based on the student's date of entrance into ninth grade. Students who earn a sufficient number of credits for a high school diploma, but are beyond the third anniversary of their original expected year of graduation, shall earn a Manchester Adult Education high school diploma.

EXTENDED LEARNING OPPORTUNITIES (ELO)

Any student may apply to attain a semester elective .5 or 1.0 credit through the pursuit of an ELO. An ELO is an opportunity for a student to pursue an area of study of particular personal interest by working with a teacher qualified in that particular field and a mentor expert in that field in the community.

GENERAL DIRECTIONS FOR PROGRAM PLANNING

1. Students and parents should check the **PREPARATION FOR THIS COURSE** section for each subject to be sure they are ready to take the course.
2. Juniors and seniors must carry a minimum of five (5) credits in their academic schedules. Freshmen and sophomores must carry a minimum of six (6) credits in their academic schedules.
3. Counselors will work to help students with program planning.
4. No schedule changes will be made except for the following reasons:
 - (a) Subject failure affecting graduation and sequence requirements;
 - (b) Error or conflict in schedule;
 - (c) Summer School adjustments;
 - (d) Extenuating circumstances will be considered at the discretion of the administration, after consultation with guidance counselors, subject teachers and instructional coordinators.
5. Fifth-year students are enrolled based upon conditions established by the administration after review of each student's academic record.

ACADEMIC ELIGIBILITY

To be eligible for athletics, co-curricular, and extracurricular activities, a student must pass four (4) units of work during the school's previous grading period (for a detailed time line of grading periods, please view **ACADEMIC ELIGIBILITY TIME LINES** in the Student/Parent Handbook).

A student could meet this requirement through a virtual school, off-site real world learning (ELO), on-line classes, college courses, etc. as long as the school officially recognizes and certifies the activities to be academically legitimate and parts of the school's educational program.

**MANCHESTER HIGH SCHOOL
GRADUATION REQUIREMENTS
BASED ON NHDOE GUIDELINES**

- 4 Credits ENGLISH**
- 2.5 Credits SOCIAL STUDIES**
0.5 Credit - American Civics (Freshman Year)
0.5 Credit - World History or World Geography (Sophomore Year)
1 Credit - United States History (Junior Year)
0.5 Credit - Economics (Senior Year)
- 4 Credits MATHEMATICS**
1 Credit - Must be the study of Algebra
(4 Years of mathematics or 3 years and courses that apply mathematics concepts and/or principles.)
- 2 Credits SCIENCE**
1 Credit - Physical/Earth/Space Science (Freshman Year)
1 Credit - Biological Science (Sophomore Year)
- 0.5 Credit HEALTH EDUCATION**
Freshman Year
- 1 Credit PHYSICAL EDUCATION**
Freshman and Sophomore Years
(0.5 Credit each year - 2 season athletic team membership option available, see guidance counselor for details)
- 0.5 Credit ARTS EDUCATION**
(Recommended to be taken in the freshman year)
- 0.5 Credit DIGITAL LITERACY REQUIREMENT**
- 5 Credits From any of the school's ELECTIVE OFFERINGS**

**MINIMUM NUMBER OF CREDITS
NEEDED TO GRADUATE - 20**

**REQUIRED COURSE
SELECTION TIMETABLE**

- GRADE 9 - SIX (6) credit minimum**
ENGLISH 1 (1 CR)
MATH 1, ALGEBRA 1A, ALGEBRA TOPICS or GEOMETRY (1 CR)
PHYSICAL SCIENCE: CHEMISTRY & PHYSICS (1 CR)
CIVICS (0.5 CR)
PHYSICAL EDUCATION, WALKING FOR FITNESS, or TEAM SPORTS (0.5 CR)
HEALTH EDUCATION (0.5 CR)
*ARTS EDUCATION (0.5 CR)
COMPUTER PRINCIPLES 1 (0.5 CR)
ELECTIVES 0.5 CREDIT MINIMUM
- GRADE 10 - SIX (6) credit minimum**
ENGLISH 2 (1 CR)
MATH 2, ALGEBRA 1B, ALGEBRA 1, GEOMETRY, or ALGEBRA 2 & TRIGONOMETRY (1 CR)
BIOLOGY 1 (1 or 1.5 CR)
WORLD HISTORY SURVEY (0.5 CR) or WORLD GEOGRAPHY (1 CR)
ELECTIVE PHYSICAL EDUCATION or TEAM SPORTS (0.5 CR)
ELECTIVES - 2.0 CREDITS MINIMUM
- GRADE 11 - FIVE (5) credit minimum**
ENGLISH 3 or ELECTIVES (1 CR)
MATHEMATICS (1 CR)
US HISTORY (1 CR)
ELECTIVES - 2.0 CREDITS MINIMUM
- GRADE 12 - FIVE (5) credit minimum**
ENGLISH 3 or 4 or ELECTIVES (1 CR)
ECONOMICS (0.5 CR)
ELECTIVES - 3.5 CREDITS MINIMUM
- *ART/MUSIC/THEATRE (0.5 CR) IS HIGHLY RECOMMENDED DURING THE FRESHMEN YEAR**



MMHS - 1960



MMHS - 2019

SPECIAL PROGRAMS AT MANCHESTER MEMORIAL HIGH SCHOOL

COMMUNITY SERVICE CREDIT

A student may earn 1/2 credit over one school year for 75 documented hours of community service. Pass/Fail credit towards an elective will be awarded. See your club advisor for further information.

EDUCATIONAL TALENT SEARCH

ETS, a TRIO program, encourages limited income students from New Hampshire to consider and pursue education beyond high school in two or four year programs of study. ETS is 100% funded by the US Department of Education and is offered at no cost to eligible participants. ETS counselors assist and motivate students to succeed in secondary school, to explore career options, and to research college at vocational programs for post high school study. ETS students in grades 9 - 12 refine career choices, research post-secondary education options, and explore financial aid possibilities. Financial aid information for all students and parents is also a vitally important component.

FIRST ROBOTICS COMPETITION

FIRST, an acronym meaning For Inspiration and Recognition of Science and Technology, is an extra-curricular group designed to teach students about science and engineering. Students work with engineers and technicians to design and build a robot to compete in athletic-style competitions with schools from across the country. The team competes in a regional and national event along with several local events.

RUNNING START PROGRAM

The New Hampshire Running Start Program is a unique higher education initiative for high school students. Specifically, this program enables high school students to enroll in selected college courses offered by the Manchester Community College at a significant reduction in tuition. Availability fluctuates based on the instructor and the community college acceptance of the course meeting college guidelines, competencies, and expectations.

NHJAG PROGRAM

Jobs for America's Graduates is a school-to-career program offered to Manchester high school students who are looking for motivation and guid-

ance in school. JAG's mission is to keep young people in school through graduation and provide work-based learning experiences that will lead to career advancement opportunities or enroll in a post secondary institution that leads to a rewarding career. This program is a full year, one credit course. Students can look forward to job shadowing, being involved in community service projects, guidance counseling, and help in choosing a life path. Students are selected through a referral and interview process.

MANCHESTER - NEUSTADT EXCHANGE PROGRAM

Since 1990, The City of Manchester has had a sister-city relationship with Neustadt an der Weinstrasse, Germany. As part of the sister-city relationship, academic exchanges take place between the three Manchester high schools and the three high schools in Neustadt. Students from Manchester have the opportunity to live with host families in Neustadt for periods as short as three weeks (group exchanges) or for as long as one year (individual exchanges). In return, the family of a participating student agrees to host a student from Neustadt for an equivalent period of time. Information regarding student exchanges may be obtained from the high school German teachers.

PEER TUTORIAL PROGRAM

Peer tutors who have demonstrated a high level of proficiency in a major subject area volunteer their time to assist students in academic difficulty. Many students take advantage of this opportunity to enhance their skills and to improve their grades. Tutoring is used to supplement the extra help provided by the teachers on their make-up night. Students meet with their tutors in the library two or three times a week during a study or a free period. Tutoring is also provided before and after school. Sign-up sheets are available in the main office for this program.

SNHU PARTNERSHIP

Often the young people of today see a college education as unachievable. Concerned about academic preparation, the ability to afford the expense or uncertain about their academic ability, too many high school students do not perceive college as a realistic goal. The purpose of this program is

to provide access to college for these students. In preparing students for this goal, the Southern N.H. University High School Partnership provides the student classes in study skills, math, and English, a tutoring program and structured parental involvement.

STUDENT ASSISTANCE PROGRAM

The Student Assistance Program is a comprehensive, school-based counseling and education program. The primary goal of this program is the prevention, early intervention and treatment of alcohol and other drug related problems. Services are provided for students who have stresses in their lives that interfere with their academics and/or could lead to substance use. Examples of such stresses include: being affected by another's use of substances, the loss of a loved one, being in a difficult relationship, and dealing with abuse.

UPWARD BOUND

The Upward Bound program at the University of New Hampshire works with high school students to help them fulfill their dreams of going on to college. Students who participate in Upward Bound live at UNH for six weeks during the summer, take college-preparatory classes, and engage in workshops, activities and trips. During the academic year, UB students participate in college trips, receive tutoring, and meet twice monthly with an advisor to get assistance with the college selection and application process, financial aid, and SAT preparation. Interested freshmen and sophomores should see guidance about attending an informational slide show at the school in February. Upward Bound is free to eligible students who are chosen to participate.

CREDIT RECOVERY PROGRAM

in order to assist students to stay on track after failing a class, Manchester high schools offer an electronic credit recovery program (CRP). This program is a self-paced, computer-based curriculum opportunity in English, science, mathematics and social sciences. Due to limited availability of courses and computer space, students must apply for CRP with their guidance counselor. The administration must approve all applications for the credit recovery program.

ART

GRADUATION REQUIREMENTS: Students must successfully complete a 1/2 credit in ARTS EDUCATION. This requirement can be satisfied by taking courses in the ART or MUSIC subject areas. Freshmen who select an art course must choose either Introduction to Art (1204), semester courses for the non-art student, or Fundamentals of Art (1209/1210) for the serious art student who wishes to continue in the art curriculum.

1203 Introduction to Color Theory (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course offers students an introduction to the color theories, as well as the basic elements of design, while using a wide variety of media.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in art.

1204 Introduction to Art (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to expose students to the elements of art, as well as basic design principles, through a wide variety of materials.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in art.

1209/1210 Fundamentals of Art (ACP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed for students who plan to enroll in advanced-level art courses. Students will be introduced to a wide variety of media while exploring the elements of art and developing an appreciation for art. The focus of this course is on developing the artistic skills and techniques required for further study in the visual arts.

PREPARATION FOR THIS COURSE: No prior preparation. This course is a foundational course and necessary for the student who will take a more comprehensive secondary high school art program.

1245/1246 Painting 1 (ACP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course provides students with an introduction to a variety of painting techniques with an emphasis on color theories and composition. Students will develop their own creative expression through a wide range of painting media and styles. Portfolio-level work will be developed.

PREPARATION FOR THIS COURSE: Students should have a working knowledge of color theory, basic drawing technique and an understanding of the elements and principles of design. It is recommended to have successfully completed Intro to Art or Fundamentals of Art.

1213 Cultural Arts & Crafts (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course offers the non-art student the opportunity to satisfy the arts elective requirement for graduation. Students will have the opportunity to cultivate an appreciation for the visual arts and historical traditions of world cultures through hands-on experience. This course does not serve as a prerequisite to more advanced art classes.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory elective course.

1220 Art History (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course offers students the opportunity to explore the relationship of various cultures and their art forms, along with their impact upon society, through the development of critical research and writing skills. The class will focus upon the periods from prehistory through the Renaissance.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course for students who will take a more comprehensive secondary high school art program.

1225/1226 Photography 1 (COL)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed for students who wish to learn basic and intermediate digital and analog photography. Students will explore a variety of tools, techniques, and skills including; Adobe Photoshop, film, studio, and darkroom photography. Students are encouraged to explore individual styles while producing a diverse body of images. Students are not required to purchase a camera for this class. *Dual Enrollment college credit may be offered through SNHU upon successful completion of this course.*

PREPARATION FOR THIS COURSE: Students should be proficient at applying the elements of art. This course is appropriate for those students who have successfully completed Intro to Art or Fundamentals of Art.

1227 Photography 2 (COL)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is for students who wish to learn advanced digital photography. Adobe Photoshop will be used to explore a variety of techniques including surrealist image-making, portfolio development, and special-effects photography. Students are encouraged to develop a personal style, voice, and vision while producing a diverse body of two-dimensional and multi-media images. *Running Start credit may be offered through Manchester Community College upon successful completion of the course.*

PREPARATION FOR THIS COURSE: Students should have proficiency at applying the elements of art and the principles of design and have begun to develop their own style and voice. This class is designed for students who have successfully completed Photography 1

1235/1236 Drawing 1 (COL)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course offers students the opportunity to improve upon their drawing skills while using a wide variety of media. Both observational drawing and creativity-based projects will be included in the student's portfolio development. During the second semester, more independent and exploratory work will be completed. *Dual Enrollment college credit may be offered through Southern New Hampshire University upon successful completion of this course.*

PREPARATION FOR THIS COURSE: This course is appropriate for students who are proficient at applying the elements of art. Recommended for students willing to learn observational and creative drawing to further their skills and who have successfully completed Intro or Foundations of Art.

1237 Drawing 2 (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is a continuation and expansion of the techniques learned in Drawing 1. Emphasis will be on developing a creative approach through self-exploration and refining drawing skills with an opportunity to utilize new art materials and techniques. Portfolio work will be developed.

PREPARATION FOR THIS COURSE: Students should be competent at applying the elements and principles of art in relation to observational and creative drawing. This course is for students who are proficient in drawing and who have successfully completed Drawing 1.

1242 Drawing 3 (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is a continuation and expansion of the techniques learned in Drawing 1 and 2. Emphasis will be on developing a creative approach through self-exploration and refining drawing skills with an opportunity to utilize new art materials and techniques. Portfolio work will be developed.

PREPARATION FOR THIS COURSE: Students should be proficient at applying the elements and principles of art in relation to observational and creative drawing and have begun to develop a personal style. Mastery of skills taught in Drawing 1 and 2 recommended.

1266 Pottery 1 (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course introduces students to the hand building techniques while creating both decorative and functional pottery. Students will incorporate the principles of design as they are exposed to the history and the numerous processes involved in pottery creation.

PREPARATION FOR THIS COURSE: Students should have a working knowledge of color theory, basic drawing technique, an understanding of the elements and principles of design and have successfully completed Intro or Foundations of Art.

1271 Pottery 2 (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course offers students the opportunity for personal growth of all skills and techniques learned in Pottery 1. Students will refine their pottery skills while developing a stronger understanding of decorative and functional pottery. More advanced techniques will be introduced.

PREPARATION FOR THIS COURSE: This course

is for students who are proficient in basic hand building techniques, are able to utilize three dimensional design and build and who have mastered the skills taught in Pottery 1.

**1273
Pottery 3 (ACP)**
*SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course further develops the skills and techniques learned in Pottery 2. Emphasis will be on students exploring their own ideas while incorporating the elements of art in the process of creation. Further time will be utilized in understanding the processes involved with construction, glazing, firing, and studio upkeep.
PREPARATION FOR THIS COURSE: This secondary course is for students who are proficient in basic hand building techniques, are able to utilize three dimensional design and build, and who have begun to develop a personal style. Mastery of skills taught in Pottery 1 and 2 recommended.

**1285/1286
Computer Graphics 1 (COL)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is for the student who wishes to acquire basic and intermediate understanding of Adobe Creative Suite software programs, Adobe InDesign, Illustrator, and Photoshop. A variety of techniques and principles used in the creation of page layouts, poster designs, and info-graphics (including typography, vector graphics, and formatting techniques) to convey information graphically will be explored. Students are encouraged to develop individual styles while producing a diverse body of graphically designed works. *Running Start credit may be offered through Manchester Community College upon successful completion of the course.*
PREPARATION FOR THIS COURSE: Students should be proficient at applying the elements of art. This course is appropriate for those students who have successfully completed Intro to Art or Foundations of Art.

**1287/1288
Computer Graphics 2 (COL)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed for students who wish to learn advanced computer graphics within the Adobe creative suite software programs. Students will use Adobe InDesign, Illustrator, and Photoshop to explore a variety of advanced graphical techniques and image-making strategies towards the goal of developing a diverse portfolio of digital images. Students are encouraged to develop a personal style, voice, and vision while producing a body of graphically designed works.
PREPARATION FOR THIS COURSE: Students should have proficiency at applying the elements of art and the principles of design, have begun to develop a personal style and must have successfully completed Computer Graphics 1.

**1293/1294
Portfolio Preparation (ACP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Portfolio Prep is a Studio Art class that is intended to develop a portfolio of individual work. The student will be encouraged to develop an artistic voice using a variety of media and a combination of directed and independent pieces

of artwork. Digital images, analysis of work, and critique will further develop a portfolio that the student will be able to use in high school learning.
PREPARATION FOR THIS COURSE: Students should have a strong grasp of the elements and principles of design as well as previous work in a variety of media. Students should possess the ability to work independently, desire to grow as an artist, and have begun to develop a personal style and voice. It is highly recommended that students have taken a variety of high school art courses.

**1295/1296
AP Art & Design (HON)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed for the art student planning to enroll in college, art school, or university with a visual art major or minor. Students will be expected to fulfill the College Board's portfolio requirements which emphasize quality, concentration, and breadth. The opportunity to submit an AP Art & Design portfolio will be available to students.
PREPARATION FOR THIS COURSE: Students should be able to work independently, have previous experience with a variety of media, a working knowledge of the elements and principles of design, as well as a desire to grow as an artist. It is highly recommended that students have taken other high school art electives and have begun to develop a personal style, vision and voice.

BUSINESS EDUCATION

Since computers are used in all areas of our lives, it is required that every student take Computer Principles 1 to meet NHDOE graduation requirements. For those students who wish to pursue additional computer programming experience, Computer Principles 2 should also be selected.

**1405
Computer Science Principles 1 (CCP)**
*SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: CS Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. This course satisfies the state computer literacy requirement for high school graduation.
PREPARATION FOR THIS COURSE: The ability to work independently, consistent daily attendance and motivated work habits.

**1414
Computer Science Principles 1 (ACP)**
*SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: CS Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

This course satisfies the state computer literacy requirement for high school graduation.
PREPARATION FOR THIS COURSE: The ability to work independently, consistent daily attendance and motivated work habits.

**1421
Computer Science Principles 2 (ACP)**
*SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course features an introduction to computer programming to develop interactive games, menu systems and animations. Students will also investigate, through analyzing big data, security concerns such as individual identity theft, mail and network hacking, virus attacks and defensive measures. In the final weeks, students will explore opportunities for future careers in technology.
PREPARATION FOR THIS COURSE: The ability to work independently, consistent daily attendance and motivated work habits. Successful completion of CS Principles 1 is a must.

**1449/1450
Intro to Business (CCP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course of study in business is an excellent choice for students considering a business discipline in college or direct entry into the workforce. Topics covered include economic systems, business operations, careers and employment, consumerism, and financial literacy, marketing, and management. This course may be used to meet the competencies for Economics.
PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

**1431/1432
Marketing 1 (COL)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course examines the entire marketing process in the areas of channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Emphasis is on the marketing mix – product, price, place, and promotion. Students have the option to participate in DECA and are required to participate in the operation of the school store. *Three (3) college credits may be earned through the Running Start program, if available.* This course may be used to meet the competencies for Economics.
PREPARATION FOR THIS COURSE: Strong writing skills and enrollment in a high level English course.

**1435/1436
Marketing 2 (ACP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students will also apply various marketing concepts to current trends in the real world through coursework and projects. Students have the option to participate in DECA and are required to participate in the operation of the school store.
PREPARATION FOR THIS COURSE: Strong writing skills, enrollment in a high level English course, and the successful completion of Marketing 1.

**1471/1472
Accounting 1 (COL)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Accounting I will present the

fundamental principles and methods of keeping financial records for businesses. The course will provide students with a basic understanding of the business cycle. *Three (3) college credits may be earned through the Running Start program, if available.*

PREPARATION FOR THE COURSE: Students should have a basic understanding of the real number system including integers, fractions and decimals.

1493 Business Law (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course examines contract basics by explaining what a contract is, the various contract types, who can enter a contract, how to approach negotiation, and the designing of a written contract. Topics include dispute resolution options and the three critical requirements of a contract. This course will also examine unfair and improper contracts that could be challenged. **PREPARATION FOR THIS COURSE:** No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

1515 Career Exploration (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Career Exploration is designed to prepare students to make informed educational and career decisions. Students will do self-study on their interests, aptitudes, and strengths to set goals for their futures. Students will understand career clusters, the decision-making process, and budgeting and complete career research in an area of interest. Students will learn how to prepare for the interview process and scholarship process.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

1457/1458 Principles of Management (COL)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course provides a basic framework for understanding the role and functions of a manager and the principles, concepts, and techniques that can be used in carrying out these functions. Specific topics include planning, decision-making, organizing, leading, controlling, and innovating. Students have the option to participate in DECA. *Three (3) college credits may be earned through the Running Start program, if available.*

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

1487 Fashion Merchandising (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course provides a comprehensive view of the fashion industry and gives an up-to-date guide to the fundamentals of the merchandising of fashion apparel and accessories. The course presents the basic principles of fashions, including fashion through the decades, trends, marketing and predictions for future design. Students have the option to participate in DECA and may have a role in the operation of the school store.

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

1507 Sports/Entertainment Marketing (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course examines the entire marketing process as it pertains to the world of sports and entertainment. Emphasis is on the marketing mix—product, price, place, and promotion. Students have the option to participate in DECA. *Three (3) college credits may be earned through the Running Start Program, if available.*

PREPARATION FOR THIS COURSE: No prior preparation. This is an introductory course and provides the necessary foundation and application for further electives in business.

ENGLISH

GRADUATION REQUIREMENTS: All freshmen must take English 1. Sophomores must take English 2. Juniors must take one of the following full year courses: English 3 or a combination of semester courses in which one must be in reading and the other in writing. Seniors must take one of the following full year courses: English 4 or a combination of semester courses in which one must be in reading and the other in writing. Journalism is also available for graduation credit.

0203/0204 English 1 (CCP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course focuses on the literary reading comprehension of both fiction and non-fiction texts. Proper English grammar conventions will be reinforced, and vocabulary development will be included, as well as the writing process. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend a variety of texts from various genres, and follow the basic conventions of Standard English grammar.

0205/0206 English 1 (ACP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course engages students with challenging reading selections in fiction, nonfiction, drama, and poetry. Critical writing will be emphasized, as well as proper grammar and vocabulary development. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend and analyze a variety of texts from various genres, and be proficient in the use of Standard English grammar when writing compositions in different formats.

0207/0208 English 1 (HON)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course offers students an intensive look at the literary genres of fiction, non-fiction, drama, and poetry. Students will engage in a formal study of the writing process, including research-based composition. This course requires intensive discussion-based inquiry. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students

should be able to comprehend, analyze, and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0223/0224 English 2 (CCP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course focuses on the literary reading comprehension of longer works of fiction and non-fiction, including novels and plays. Emphasis is on the development of critical reading and research skills. Proper English grammar conventions will be reinforced, and vocabulary development will be included, as well as the writing process. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend a variety of texts from various genres, and follow the basic conventions of Standard English grammar.

0225/0226 English 2 (ACP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course engages students with challenging reading selections in novels, plays, short stories, and poems. Students will be expected to complete a research paper, give presentations, and further develop their abilities in analytical writing. Proper grammar and vocabulary development will also be included in this course. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend and analyze a variety of texts from various genres, and be proficient in the use of Standard English grammar when writing compositions in different formats.

0227/0228 English 2 (HON)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course provides students an introduction to the study of literature including literary movements through a survey of American literature from Native American myths to Post-Modern works. Students will read, analyze, interpret, and discuss literary selections. Students will also be expected to complete analytical essays, deliver presentations, and participate in a major research project. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend, analyze, and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0243/0244 English 3 (CCP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: With a focus on American authors, this course will explore American literature throughout the various time periods from Native American literature to more contemporary literary works. Students will read, discuss, and compose literary response essays, as well as complete a research-based written assignment during this year-long course. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend a variety of texts from various genres, and follow the basic conventions of Standard English grammar.

0245/0246

English 3 (ACP)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This is a survey of American literature course providing students with an in-depth exploration of American authors and the themes they convey from Native American literature to the period of Post-Modernism. Students will read, analyze, interpret, and discuss literary selections. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend and analyze a variety of texts from various genres, and be proficient in the use of Standard English grammar when writing compositions in different formats.

0263/0264

English 4 (CCP)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: In this course, students will develop communication skills by reading various genres, including fiction and nonfiction, and writing for a variety of purposes, as well as engaging in classroom discussions. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend a variety of texts from various genres, and follow the basic conventions of Standard English grammar.

0341/0342

Practical Reading & Writing (CCP)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed for students experiencing difficulties with basic reading, writing, and study skills. The course stresses the application of academic skills to real life situations. Suggested units include: word structure, consumer skills, banking, credit, and map reading. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend both fiction and nonfiction texts, and follow the basic conventions of Standard English grammar in writing compositions in a variety of formats.

0361/0362

Literature & Film (ACP)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: Students will explore the world of film language, study the literary and film genres, and explore the history of film through reading and writing about the genre. The first semester will introduce the major steps of adapting a piece of writing into a film. The second semester will put these steps into practice, culminating in students collaborating on a short film, using the process learned throughout the year. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should have an interest in exploring and analyzing a variety of film genres, and be able to comprehend and discuss them, as well as follow the basic conventions of Standard English grammar when composing response essays.

0335/0336

British Literature (ACP)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course is an in-depth study of British authors including, but not limited to, the Anglo-Saxon period to the present. Students are expected to analyze literary works, engage in rigorous class discussions, and write analyti-

cal and research papers. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend and analyze a variety of texts from various genres, and be proficient in the use of Standard English grammar when writing compositions in different formats.

0365/0366

World Literature (HON)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course will focus on critical analysis of literature, from a variety of cultures through ancient times to the modern era, and rigorous academic discussion. Expository writing and presentations are also expected. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to comprehend, analyze, and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0249/0250

AP English Literature & Composition (HON)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This advanced placement course adheres to the guidelines and requirements of The College Board. Deepening students' knowledge and understanding of a variety of literary works, this course will focus on critical reading and analysis, with emphasis on analytical composition. Summer reading and writing is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to analyze and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0275/0276

AP English Language & Composition (HON)*FULL YEAR COURSE - ONE CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This advanced placement course adheres to the guidelines and requirements of The College Board. Deepening students' knowledge and control of formal conventions of written language, this course will focus on rhetorical analysis of non-fiction prose and expository, persuasive, and analytical composition, culminating in the completion of an extensive research document. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to analyze and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0284

Writing Workshop (CCP)*SEMESTER COURSE - 1/2 CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed to increase writing proficiency in a variety of forms. Students will learn about content, organization, and function. Students will outline, draft, edit, and share their writing with fellow classmates. The class will culminate in a portfolio and self-reflections. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to follow the basic conventions of Standard English grammar and construct compositions in a variety of formats.

0286

College Composition (COL)*SEMESTER COURSE - 1/2 CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This is a college-level, research-based course, involving academic, peer-reviewed research and extensive analytical essay writing. *As part of the Running Start program, in conjunction with Manchester Community College, college credit may be earned upon successful completion.* Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should be able to analyze and critique a variety of texts from various genres, and demonstrate excellent usage of Standard English grammar when writing compositions in different formats.

0290

Creative Writing (ACP)*SEMESTER COURSE - 1/2 CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: Creative Writing is for serious writers who want to challenge themselves. In a search for individual style and technique, students will write prose and poetry, focusing upon continuity and coherence. Students must meet the demands of the writing process: brainstorming, outlining, drafting, editing, critiquing, conferencing, presenting, and reading. The class will culminate in a portfolio and self-reflections. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should have an interest in composing original works in a variety of genres, and be proficient in the use of Standard English grammar.

0304

Folklore & Mythology (CCP)*SEMESTER COURSE - 1/2 CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course provides an overview of popular folklore and myths of antiquity, emphasizing the link among cultures so that students may appreciate the commonality among societies, as well as modern day references to these stories. The competencies of reading, writing, speaking/listening/viewing, and research are an integral part of the course. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should have an interest in exploring ancient texts, and be able to comprehend and discuss them, as well as follow the basic conventions of Standard English grammar when composing response essays.

0306

Folklore & Mythology (ACP)*SEMESTER COURSE - 1/2 CREDIT**FIVE PERIODS PER WEEK*

DESCRIPTION: This course provides opportunities for students to study literature from ancient times to the modern era. Selections will include writings from a variety of cultures. Critical analysis, class discussion, as well as research projects and presentations are emphasized. Summer reading is a requirement for this course.

PREPARATION FOR THIS COURSE: Students should have an interest in exploring and analyzing ancient texts, and be able to comprehend and discuss them, as well as follow the basic conventions of Standard English grammar when composing response essays.

FAMILY & CONSUMER SCIENCE

Although subjects in this area are not required for graduation, students are encouraged to select subjects of special interest to them.

1527 Foods 1 (CCP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: In this course, students will learn and apply various food preparation skills, principles, and techniques. Some topic areas include: yeast and quick breads, fruit and vegetable cookery, eggs, meats and poultry, cookies and cakes.

Nutrition information is included within each topic area. The students will demonstrate food presentation and serving. **PREPARATION FOR THIS COURSE:** Basic math, reading, teamwork and communication skills.

1529 Foods 1 (ACP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: In this course, students will learn and apply various food preparation skills, principles, and techniques. Some topic areas include: yeast and quick breads, fruit and vegetable cookery, eggs, meats and poultry, cookies and cakes.

Nutrition information is included within each topic area. The students will demonstrate food presentation and serving. This course is recommended for students considering a career in restaurant industry as well as those interested in food preparation. **PREPARATION FOR THIS COURSE:** Basic math, reading, teamwork and communication skills.

1537 Foods 2 (CCP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: Foods 2 provides the opportunity for students to continue to increase their skills in the planning, preparation and serving of healthy meals. Integrated into the labs are the concepts of consumer buying, convenience products, nutrition, table service and time management. **PREPARATION FOR THIS COURSE:** Successful completion of Foods I or Baking and an understanding of basic kitchen tools, reading recipes, kitchen measures, safety & sanitation.

1540 World of Foods (CCP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: World of Foods is an elective for the student who is interested in learning to prepare foods from other countries and regions of the United States, as well as learning about customs and traditions. Preparation for this course includes the successful completion of two (2) other foods courses. **PREPARATION FOR THIS COURSE:** Due to the advanced nature of this cooking course, students should feel confident in the kitchen, including food safety & sanitation practices, tools a measurements, and following recipes.

1542 Baking (CCP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: Baking introduces basic concepts of baking and nutrition such as measurement, mixing, temperature control, and the varied properties of baking ingredients. Lab experiences, as well as academic studies, involve the baking techniques of quick breads, yeast breads, pies, cakes and cookies. This course is recommended for students who have an interest in the pastry arts. **PREPARATION FOR THIS COURSE:** Basic math, reading, teamwork and communication skills.

1557/1558 Infant Care/Child Development (CCP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: Course content focuses on the specific aspects of development and early childhood. Concepts covered include prenatal development and birth, infancy, and childhood to age twelve. This course is recommended for students who are interested in careers in early childhood or elementary education. **PREPARATION FOR THIS COURSE:** Basic math, reading, teamwork and communication skills.

1559/1560 Infant Care/Child Development (ACP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: Course content focuses on the specific aspects of development and early childhood. Concepts covered include prenatal development and birth, infancy, and childhood to age twelve. This course is recommended for students who are interested in careers in early childhood or elementary education. *Three college credits may be earned through the Running Start program if available.* **PREPARATION FOR THIS COURSE:** Basic math, reading, teamwork and communication skills.

1563 Adult Roles (CCP) SEMESTER COURSE - 1/2 CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: Adult Roles is a course in which students will examine situations that they may encounter as adults and ways in which to function effectively in these roles, as well as some of the skills needed to fulfill future roles. **PREPARATION FOR THE COURSE:** Basic math, reading, and writing skills.

WORLD LANGUAGES

Although foreign languages are not required for high school graduation, colleges and universities recommend that students enroll in at least three consecutive years of the same foreign language. Students may select from among five languages: French, Spanish, German, Latin and American Sign Language.

1005/1006 French 1 (ACP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: This is an elementary course for students who have no knowledge of French. Students will work to attain proficiency on the four skills of listening, speaking, reading, and

writing. Students will learn basic vocabulary and grammatical structures as well as basic pronunciation. This course also includes study of typical customs and geography of the French-speaking world. As the course progresses, students are expected to apply and demonstrate their skills on a daily basis.

PREPARATION FOR THE COURSE: This is an accelerated paced elementary course for students who have no prior knowledge of French.

1015/1016 French 2 (ACP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to increase the student's proficiency in French. Students will strengthen their abilities in the four skills of reading, writing, speaking, and listening. The course also will include study of the customs, geography, and history of Francophone countries. This course builds on previously acquired knowledge from French 1.

PREPARATION FOR THIS COURSE: Students must be proficient at reading, writing, speaking and listening and have beginning knowledge of French culture.

1025/1026 French 3 (ACP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to further students' abilities in the four areas of language study: speaking, listening, reading, and writing. More emphasis is placed on the use of the target language. Students will continue to expand their vocabulary and knowledge of more complex grammatical structures. This course will also explore the customs, geography, and history of the Francophone world. Students who study French at this level will be expected to be creative and to use the language more independently.

PREPARATION FOR THIS COURSE: Students must have successfully completed French 2, be proficient at reading, writing, speaking, listening and grammar and have beginning knowledge of French culture. Students at this level are expected to study more independently.

1035/1036 French 4 (ACP) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to reinforce reading, writing, listening, and especially speaking skills. Most coursework is conducted in French. Students will learn essential vocabulary needed to develop communicative skills in everyday situations, for example, vocabulary related to foods, restaurants, and airplane travel, in the target language. There will be revision of grammatical concepts incorporated into the thematic units. Students will develop their skills in reading, writing, and speaking in French. Students who study French at this level will be expected to be creative and to use the language more independently.

PREPARATION FOR THIS COURSE: Students will be expected to be creative and to use the language more independently. Students must have successfully completed French 3 and be fluent in reading, writing, speaking, listening.

1037/1038 French 4 (HON) FULL YEAR COURSE - ONE CREDIT FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to reinforce reading, writing, listening, and especially speaking skills. Most coursework is conducted in French. Students will learn essential vocabulary needed to develop communicative skills in every-

day situations, for example, vocabulary related to foods, restaurants, and airplane travel, in the target language. There will be revision of grammatical concepts incorporated into the thematic units. Students will develop their skills in reading, writing, and speaking in French. Students who study French at this level will be expected to be creative and to use the language more independently.

PREPARATION FOR THIS COURSE: Students are expected to work independently, participate in discussions and write brief essays. Students must have successfully completed French 3 and be fluent in reading, writing, speaking, listening.

1047/1048 French 5 (HON)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is for students who wish to broaden their knowledge of the French language and culture. This course requires well-developed conversational, listening comprehension, reading, and writing skills. Students will research the Internet to develop an awareness of current events in all Francophone countries. Students will review major grammatical points and are expected to participate in discussions and write brief essays on a regular basis. During the second semester, a research paper and oral presentation are required. This course is conducted primarily in French.

PREPARATION FOR THIS COURSE: Students must have successfully completed French 4 and achieved mastery of writing, speaking, reading and grammar in order to use the language to converse, orally present and research.

1065/1066 German 1 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students in this course will become familiar with the sounds and patterns of the German language. Through a variety of interactive methods, such as singing, playing games, storytelling, and role-playing, students will build a vocabulary of essential words and phrases. They will also learn about the geography, history, and culture of the German-speaking lands and other European union countries. Learning experiences will be enriched by contact with our exchange partners in Neustadt an der Weinstrasse, Germany. **PREPARATION FOR THE COURSE:** This is a moderately paced elementary course for students who have no prior knowledge of German.

1075/1076 German 2 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

Students will expand the basic vocabulary acquired in the first year, using a variety of communicative and interactive methods. Students will practice conducting routine daily activities and exchanges and will also develop their proficiency in reading and writing German. Learning about the culture of the German-speaking peoples and of people of other European countries will also be emphasized. As in all German courses, all experiences will be enriched by our partnership with the Käthe-Kollwitz-Gymnasium in Neustadt an der Weinstrasse, Germany.

PREPARATION FOR THIS COURSE: This moderately paced course is designed to increase and build on the student's proficiency in German. Students must have successfully completed German 1 and be proficient at reading, writing, speaking and listening.

1085/1086 German 3 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students in this course will continue to practice listening, speaking, reading, and writing German. They will study German grammar in greater depth and continue learning about culture, history, and geography through reading German texts. Interactions with our partners in Neustadt are even more rewarding for students at this level.

PREPARATION FOR THIS COURSE: Students should know how to form dependent clauses and how to properly conjugate several irregular verbs, use separable verbs appropriately, and be able to talk about a variety of different topics, including talking about being sick, giving driving/walking directions and birthday parties.

1095/1096 German 4 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: German is the sole language of communication in the classroom. Students are given the opportunity to use all four language skills. The use of idiomatic German and fluency of conversation will be enriched through a variety of texts. Analysis and comparison of characters and situations in the readings will be expected. Students will be required to journal in German in the second semester. Written and oral presentations will also be required.

PREPARATION FOR THIS COURSE: Students should be able to build sentences using more challenging grammar structure, be familiar with German geography, and be able to talk about events in the past.

1105/1106 Latin 1 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course introduces the basics of Latin vocabulary and grammar. While studying the influences of the Latin language and Roman culture on our society, students will gain a stronger use of the English language essential for SAT preparation. Latin study also includes mythology, Roman customs, and early Roman history.

PREPARATION FOR THIS COURSE: Students should have an adequate grasp of English and an interest in the subject area. This is a course for students who have no prior knowledge of Latin.

1115/1116 Latin 2 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: There is a strong emphasis on Latin and Greek word origins specifically designed for SAT preparation. During the first semester, new grammatical forms and elements of style are introduced. During the second semester, students translate and discuss various sections of Caesar's Gallic Wars. Also included will be the history of other ancient world rulers such as Alexander the Great and Cleopatra.

PREPARATION FOR THIS COURSE: Students should have satisfactorily completed Latin 1 in order to succeed in this course and be proficient at reading, writing, speaking and listening.

1125/1126 Latin 3 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students will read works by Roman authors (Cicero, Livy, and Sallust) and become familiar with prominent historical characters and events of the late Republic and early Empire, particularly as related to government, magistrates, and religion.

PREPARATION FOR THIS COURSE: Students should have satisfactorily completed Latin 2 and be proficient at reading, writing, speaking, listening and have beginning knowledge of Roman culture. Students at this level are expected to study more independently.

1129/1130 Latin 4 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Latin 4 introduces students to the intricacies of Latin poetry in the works of Ovid. Students will learn poetic devices, usage, and vocabulary as a basis for the reading of Rome's major epic, Vergil's Aeneid. Focusing upon Books I, II, IV, and VI and the study of the dactylic hexameter, students will gain an appreciation for both poetry and the legends of Rome. If time permits, students will also read works of other Roman poets, such as Horace and Catullus, as well as secular medieval writers.

PREPARATION FOR THIS COURSE: Students should have had strong success in Latin 3 to enroll in this course, should be able to work independently and show proficiency at applying historical knowledge.

1127/1128 AP Latin - Vergil (HON)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students will become familiar with pertinent Roman cultural, social, and political history and study the ancient epic as a literary genre. Parallels between the Aeneid and Homer's Iliad and Odyssey will be discussed. Students will read, translate, understand, analyze and interpret the required lines listed on the AP Vergil syllabus.

PREPARATION FOR THIS COURSE: Students should have had strong success in Latin 3 to enroll in this course, should be able to work independently and show proficiency at applying historical knowledge.

1145/1146 Spanish 1 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Students will work to attain proficiency in the four skills of listening, speaking, reading, and writing. Students will learn basic vocabulary and grammatical structures, as well as basic pronunciation. This course also includes study of typical customs and geography of the Spanish-speaking world. As the course progresses, students are expected to apply and demonstrate their skills on a daily basis.

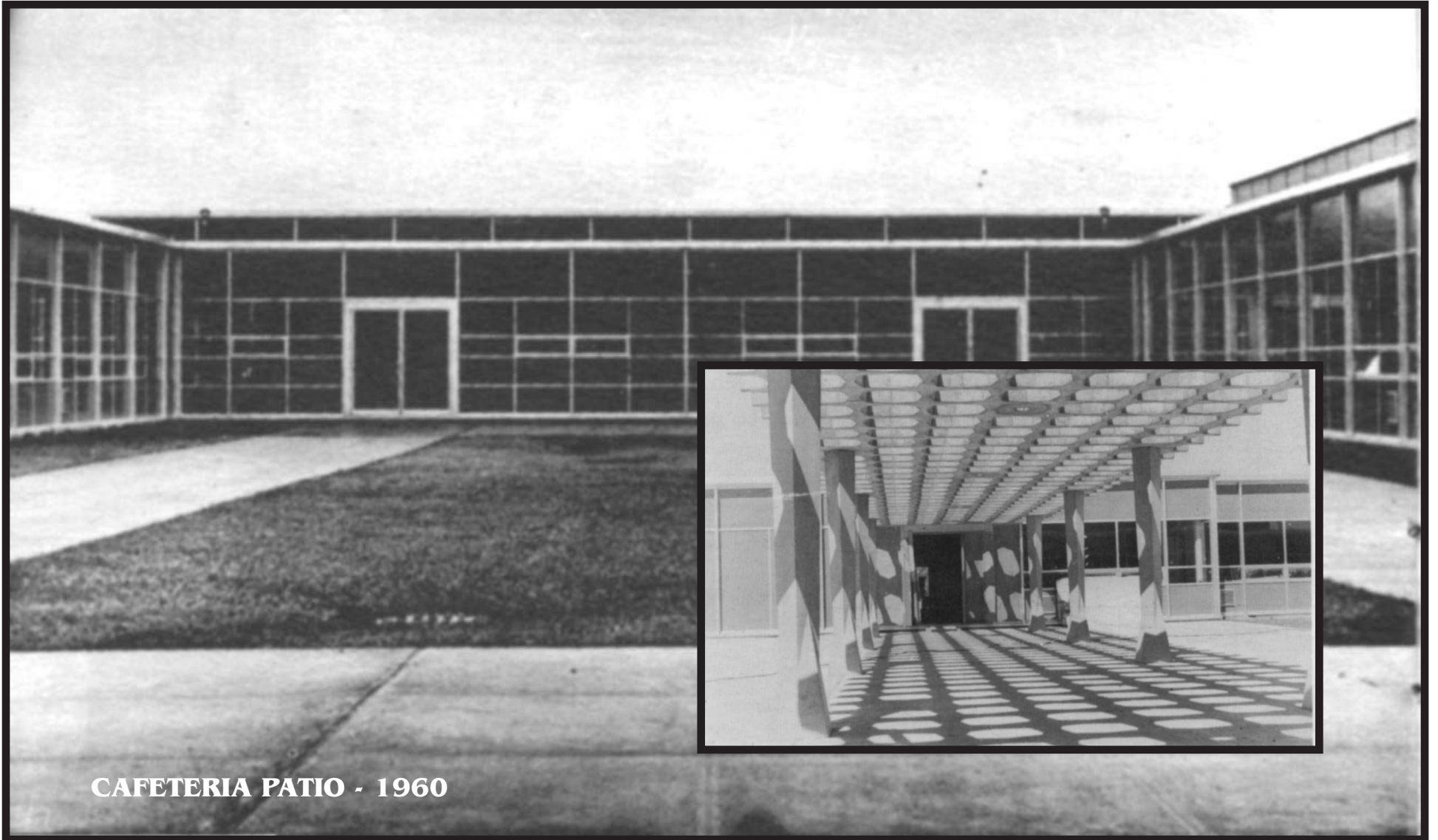
PREPARATION FOR THIS COURSE: This is an accelerated paced elementary course for students who have no prior knowledge of Spanish.

1155/1156 Spanish 2 (ACP)

*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed to increase the student's proficiency in Spanish. Students will strengthen their abilities in the four skills of reading, writing, speaking, and listening. The course also will include study of the customs, geography, and history of Spanish-speaking countries. This course builds on previously acquired knowledge from Spanish 1.

PREPARATION FOR THIS COURSE: This moderately paced course is designed to increase and build on the student's proficiency in Spanish 1. Students must have successfully completed Spanish 1 and be proficient at reading, writing, speaking and listening.



CAFETERIA PATIO - 1960

1165/1166

Spanish 3 (ACP)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course is designed to further students' abilities in the four areas of language study: speaking, listening, reading, and writing. More emphasis is placed on the use of the target language. Students will continue to expand their vocabulary and knowledge of more complex grammatical structures.

This course will also explore the customs, geography, and history of the Spanish-speaking world. Students who study Spanish at this level will be expected to be creative and to use the language more independently. *SNHU dual enrollment credit may be offered.*

PREPARATION FOR THIS COURSE: Students must have successfully completed Spanish 2, be proficient at reading, writing, speaking, listening and grammar and have beginning knowledge of Spanish culture. Students at this level are expected to study more independently.

1175/1176

Spanish 4 (ACP)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course for students who wish to broaden their knowledge of the Spanish language and culture. Spanish is spoken by the teacher and the students unless it is impractical and impedes student understanding. A variety of cultural topics of the Spanish-speaking world are studied. Oral presentations are also required.

PREPARATION FOR THIS COURSE: Students must have successfully completed Spanish 3 and achieved mastery of writing, speaking, reading and grammar in order to use the language to converse, orally present and research.

1177/1178

Spanish 4 (HON)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course is designed to reinforce reading, writing, listening, and especially speaking skills. Most coursework is conducted in Spanish. Students will learn essential vocabulary needed to develop communicative skills in everyday situations, such as those related to foods, restaurants, and airplane travel, in the target language.

There will be revision of grammatical concepts incorporated into the thematic units. Students will develop their skills in reading, writing, and speaking in Spanish. Students who study Spanish at this level will be expected to be creative and to use the language more independently.

PREPARATION FOR THIS COURSE: Students must have successfully completed Spanish 3 and achieved mastery of writing, speaking, reading and grammar in order to use the language to converse, orally present and research.

1187/1188

Spanish 5 (HON)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course is for students who wish to broaden their knowledge of the Spanish language and culture. This course requires well-developed conversational, listening comprehension, reading, and writing skills. Students will research the Internet to develop an awareness of current events in all Spanish-speaking countries. Students review major grammatical points and are expected to participate in discussions and write brief essays on a regular basis. During the second semester, a research paper and oral presentation are required. This course is conducted

primarily in Spanish.

PREPARATION FOR THIS COURSE: Students must have successfully completed Spanish 4 and achieved mastery of writing, speaking, reading and grammar in order to use the language to converse, orally present and research.

1191/1192

American Sign Language 1 (COL)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course is an introduction to American Sign Language (ASL) and Deaf Culture. ASL is the language used by Deaf and hard of hearing people. The emphasis is on learning to develop expressive and receptive signing skills. Students will develop a basic vocabulary related to everyday life. They will learn about the experiences of Deaf people and the culture of the Deaf Community, its values and accomplishments. **Running Start college credit may be available upon successful completion. SOME COLLEGES MAY NOT RECOGNIZE ASL I AS A WORLD LANGUAGE COURSE. STUDENTS SHOULD SEE THEIR COUNSELOR FOR DETAILS.**

PREPARATION FOR THIS COURSE: No prior preparation. This course provides the necessary foundation and application for further ASL academic courses.

1193/1194

American Sign Language 2 (CCP)**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: In this course, students continue to refine their expressive and receptive language skills and build on knowledge acquired in ASL 1.

The study of Deaf Culture will continue through assigned reading material and outside activities. Deaf Literature will be introduced using videotapes on: folklore, poetry, biographies, and ABC Stories. **Running Start college credit may be available upon successful completion. SOME COLLEGES MAY NOT RECOGNIZE ASL 2 AS A WORLD LANGUAGE COURSE. STUDENTS SHOULD SEE THEIR COUNSELOR FOR DETAILS.**

PREPARATION FOR THIS COURSE: Students must be competent in applying skills learned in ASL 1 with proficiency in basic language demonstration.

**1195/1196
American Sign Language 3 (CCP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: In this course, students will refine their skills in American Sign Language by continuing to improve upon the receptive and expressive components of the language. Students will develop mastery of even more complex and complicated ASL features of spatial referencing, classifier usage, verb inflections and role shifting, all in an effort to gather meaning from movement, while continuing to expand their vocabulary. Artistic forms of ASL will be incorporated and utilized by the students throughout the year as part of the course of study. The students will continue to demonstrate that ASL is the subtle, elegant, powerful language of a rich and complex culture of Americans that spans all recorded time. **Running Start college credit may be available upon successful completion. SOME COLLEGES MAY NOT RECOGNIZE ASL 3 AS A WORLD LANGUAGE COURSE. STUDENTS SHOULD SEE THEIR COUNSELOR FOR DETAILS.**

PREPARATION FOR THIS COURSE: Students must be competent in applying skills learned in ASL 1 and 2 with proficiency in language demonstration. Student must be proficient at applying outside activities that connect to the Deaf culture and community.

**1197/1198
American Sign Language 4 (CCP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: In this course students will have the opportunity to refine and hone their skills by continuing to apply their knowledge and abilities in expressive and receptive ASL. This course will provide for the expansion and further application of the language of ASL and the culture of the American Deaf. Students will be able to demonstrate their proficiency through the use of a simulation in which students travel to the Deaf utopia, Eyeth.

Selected communication topics, more complex grammatical structures and continued cultural material will reflect meaningful experiences as if students were actually studying abroad in a Deaf World. Students will continue to incorporate and further refine their artistic ASL endeavors with performances in several venues throughout the community. **Running Start college credit may be available upon successful completion. SOME COLLEGES MAY NOT RECOGNIZE ASL 4 AS A WORLD LANGUAGE COURSE. STUDENTS SHOULD SEE THEIR COUNSELOR FOR DETAILS.**

PREPARATION FOR THIS COURSE: Students must be competent in applying skills learned in ASL 1, 2 and 3 and show mastery in language demonstration. Student must be able to apply ASL artistic, expressive culture in a global format.

LIBRARY SCIENCE

IMPORTANT NOTE: Students who select Library Science (1667/1668) are reminded that the course is offered for the entire year, Students may not enroll for one semester only.

**1667/1668
Library Science (CCP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This is a work-study course which provides opportunities to learn the basic operations of the library learning commons. Students will be taught practical and advanced information literacy skills and learn about various research methods and sources.

These skills will be useful for students who are planning on attending college and for other class research. Students will also provide general information to library users, shelve books, and maintain book sections daily. Quarterly reading assignments are required.

PREPARATION FOR THE COURSE: Students must be able to work independently and enjoy reading.

MATHEMATICS

GRADUATION REQUIREMENTS: Every student must successfully complete **FOUR** credits of mathematics, including one year of Algebra. The student may also select **THREE** mathematics courses and a course that applies mathematics principles or concepts to meet State of NH graduation requirements.

**0601/0602
Mathematics 1 (FND)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is designed for students who need to build a stronger foundation in basic math skills prior to taking algebra. Topics include operations on rational numbers, ratio and proportion, percent, probability, introduction to basic geometry, properties of algebra and data analysis. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

PREPARATION FOR THE COURSE: Students should have a basic understanding of the real number system including integers, fractions and decimals.

**0603/0604
Mathematics 2 (FND)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Topics include operations on rational numbers, evaluating expressions, solving linear equations, introduction to functions, graphing linear functions, and selected applications in geometry. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

PREPARATION FOR THE COURSE: Students should be able to order and compare whole numbers, fractions, and decimals using inequality symbols and the number line. Should also be able to use the order of operations to evaluate expressions involving addition, subtraction, multiplication, and division.

**0605/0606
Mathematics 3 (FND)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Topics include operations on rational numbers, evaluating expressions, solving systems of linear equations, simplifying expressions containing exponents, operations on polynomial expressions, and selected applications in geometry. The Math 1, 2, and 3 sequence fulfills the Algebra requirement for graduation.

PREPARATION FOR THE COURSE: Students should be able to order and compare whole numbers, fractions, and decimals using inequality symbols and the number line. Should also be able to use the order of operations to evaluate expressions involving addition, subtraction, multiplication, and division. They should also have the ability to solve one step equations.

**0629/0630
Algebra 1A (FND)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is the first of a basic two-year Algebra 1 program. The pacing allows for the reinforcement of basic skills while providing the foundation of algebra. The Algebra 1A and 1B sequence fulfills the algebra requirement for graduation. Topics include order of operations; operations on rational numbers; evaluating and simplifying expressions; data analysis; solving linear equations and inequalities in one variable; rates, ratios, and proportions; applications of percents; probability; graphing linear functions.

PREPARATION FOR THE COURSE: Students should be able to add, subtract, multiply and divide integers; and evaluate expressions.

**0639/0640
Algebra 1B (FND)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course is the second of a basic two-year Algebra 1 program. The pacing allows for the reinforcement of basic skills while providing the foundation of algebra. The Algebra 1A and 1B sequence fulfills the algebra requirement for graduation. Topics include solving multi-step equations and inequalities in one variable; solving systems of equations; graphing inequalities in two variables; exponent rules; operations on polynomials; factoring polynomials; operations on irrational numbers; Pythagorean Theorem; Distance Formula; area, perimeter and volume.

PREPARATION FOR THE COURSE: Students should be able to solve linear equations; add, subtract, multiply and divide integers; and evaluate expressions.

**0663/0664
Algebra 1 (CCP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: Topics include solving linear equations, inequalities, literal equations, quadratic equations, and systems of equations; graphing linear functions, inequalities, and systems of inequalities; operations on polynomials, rational and irrational numbers; as well as an introduction to functions and data analysis. Problem solving skills are incorporated throughout the course.

PREPARATION FOR THE COURSE: Students should be able to add, subtract, multiply, and divide integers and rational expressions.

**0665/0666
Algebra 1 (ACP)**
*FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK*

DESCRIPTION: This course provides an in-depth, fast-paced approach to the concepts of algebra.

Topics include solving linear equations, inequalities, literal equations, quadratic equations, and systems of equations; graphing linear and quadratic functions, inequalities, and systems of inequalities; operations on polynomials, rational and irrational numbers; as well as an introduction to functions and data analysis. Problem solving and critical thinking skills are incorporated throughout the course.

PREPARATION FOR THE COURSE: Students should be able to add, subtract, multiply, and divide integers and rational expressions.

0681/0682

Geometry (FND)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course focuses on basic concepts of geometry. The pacing allows for the reinforcement of algebra skills. Topics include congruent and similar triangles, quadrilaterals and polygons, parallelism, circles, coordinate geometry, right triangle trigonometry, area and volume.

PREPARATION FOR THE COURSE: Students should be able to solve linear equations, and should be familiar with coordinate Geometry.

0683/0684

Geometry (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Topics include basic geometric terms and figures, triangles, quadrilaterals and other polygons, similarity, congruence, circles, perimeters, areas and volumes, coordinate geometry, right triangle trigonometry. Constructions will be done throughout the course. Students will explore deductive reasoning through proofs. Problem solving skills are incorporated throughout the course. This course is open to sophomores, juniors and seniors.

PREPARATION FOR THE COURSE: Students should be able to solve linear equations, and should be familiar with coordinate geometry.

0685/0686

Geometry (ACP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The course includes a study of plane, solid, and coordinate geometry and right triangle trigonometry, further enhanced through the application of algebraic concepts. Constructions are done throughout the course. Emphasis is placed on deductive reasoning and proofs. Problem solving and critical thinking skills are incorporated throughout the course.

PREPARATION FOR THE COURSE: Students should be able to solve linear equations, students should have had some coordinate geometry - dealing with graphing lines, familiarity with slope formula, midpoint formula, and distance formula.

0687/0688

Geometry (HON)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The courses include a comprehensive study of plane, solid, and coordinate geometry, as well as right triangle trigonometry, further enhanced through the application of algebraic concepts. Constructions are done throughout the course. A major portion of the course is devoted to deductive reasoning and proofs. Problem solving, critical thinking skills and independent study are incorporated throughout the course.

PREPARATION FOR THE COURSE: Students should be able to solve linear, quadratic, and absolute value equations; factor quadratic functions; and evaluate functions.

0703/0704

Algebra 2 & Trigonometry (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Topics include solving absolute value, rational, exponential, radical, and rational equations; compound inequalities; systems of equations and inequalities; function analysis including compositions and inverses; operations on complex numbers; properties of quadratic, exponential, and logarithmic functions; as well as an introduction to trigonometry. Problem solving skills are incorporated throughout the course. This course prepares students for Finite Math or Introduction to Pre-Calculus.

PREPARATION FOR THE COURSE: Students should be able to solve linear equations, and have a strong foundation for linear and non-linear functions as well as problem solving with equations and inequalities.

0705/0706

Algebra 2 & Trigonometry (ACP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This is a challenging, fast-paced course that explores concepts in depth. Topics include the complex number system; matrices; systems of equations and inequalities; conic sections; properties of quadratic, exponential, logarithmic, radical, and rational functions; as well as right triangle and analytic trigonometry. Graphing calculators are used extensively. Problem solving and critical thinking skills are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Pre-Calculus.

PREPARATION FOR THE COURSE: Students should be able to solve linear and quadratic equations, and have a strong understanding of simple and complex linear and non-linear functions as well as problem solving with equations and inequalities.

0707/0708

Algebra 2 & Trigonometry (HON)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This is a rigorous, fast-paced course that analyzes topics in depth with a focus on application to real-world situations. Topics include the complex number system; matrices; systems of equations and inequalities; conic sections; properties of quadratic, exponential, logarithmic, radical, and rational functions; as well as right triangle and analytic trigonometry. Problem solving, critical thinking skills and independent study are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Pre-Calculus.

PREPARATION FOR THE COURSE: Students should be very strong in solving linear equations, quadratic equations, and systems of equations with 2 variables. Students should be able to graph linear equations and linear inequalities. Students should be able to apply the laws of exponents. Students should be able to simplify radical expressions. Students should be able to solve problems using one or two variables.

0721/0722

Introduction to Pre-Calculus (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The course is designed to prepare students for college-level pre-calculus. Topics

include applications and graphs of algebraic, exponential, logarithmic, and trigonometric functions.

PREPARATION FOR THE COURSE: Students should be able to solve and graph linear and quadratic functions, solve systems of linear equations, factor expressions, and understand the basics of logarithmic and polynomial functions.

0725/0726

Pre-Calculus (ACP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Topics include analysis of polynomial, exponential, logarithmic, and trigonometric functions; sequences and series; and probability. Graphing calculators will be used throughout the course. Problem solving and critical thinking skills are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for Calculus.

PREPARATION FOR THE COURSE: Students should be able to evaluate functions; have basic knowledge of domain/range; factor expressions; solve and graph linear, quadratic and cubic functions.

0727/0728

Pre-Calculus (HON)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Topics include analysis of polynomial, exponential, logarithmic, and trigonometric functions; polar coordinates; statistics; probability; and an introduction to limits. Graphing calculators will be used extensively throughout the course. Problem solving, critical thinking skills, and independent study are incorporated throughout the course. Students are expected to clearly communicate their processes and solutions. This course prepares students for AP Calculus.

PREPARATION FOR THE COURSE: Students should be able to evaluate functions; analyze domain and range; factor expressions; solve linear, quadratic and cubic equations; and graph linear, quadratic, cubic, radical, absolute value, and reciprocal functions.

0729/0730

Personal Finance (FND)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The course includes a review of basic math and personal finance skills and covers topics of gross and net income, record keeping, checking and savings accounts, credit cards, loans, insurance, and investments. Personal Finance is intended for seniors who have fulfilled the Algebra requirement for graduation and wish to enroll in a fourth year of math.

PREPARATION FOR THE COURSE: Students should be able to perform basic operations and have a strong foundation in calculator use.

0731/0732

Personal Finance (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Topics include credit cards, loans, insurance, investments, personal business, produce- production, purchasing, sales, marketing, warehousing and distributing services, accounting, records, financial management, and corporate planning. Personal Finance is intended for seniors who have fulfilled the Algebra requirement for graduation and wish to enroll in a fourth year of math.

PREPARATION FOR THE COURSE: Students should be able to perform basic operations and have a strong foundation in calculator use.

0735/0736

Finite Mathematics (COL)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed for the student who is interested in pursuing a business or liberal arts degree. Topics include linear systems, matrices, linear programming, probability, statistics, and finance. Applications are drawn from the areas of the social sciences and economics. Running Start credit may be available upon successful completion.

PREPARATION FOR THE COURSE: Students should be able to solve and graph systems of linear equations and inequalities and perform operations on rational numbers.

0745/0746

Calculus (COL)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, integrals, and the Fundamental Theorem of Calculus. Running Start college credit may be available upon successful completion.

PREPARATION FOR THE COURSE: Students need an understanding of linear, quadratic, exponential, logarithmic, polynomial, and trigonometric functions and their related graphs.

0747/0748

AP Calculus (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: AP Calculus AB covers topics in differential and integral calculus including concepts and skills of limits, derivatives, integrals, and the Fundamental Theorem of Calculus.

The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally and to make connections among these representations (College Board). Running Start college credit may be available upon successful completion.

PREPARATION FOR THE COURSE: Students need an understanding of linear, quadratic, exponential, logarithmic, polynomial, and trigonometric functions and their related graphs.

0717/0718

AP Statistics (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The AP Statistics course is equivalent to a one-semester introductory non-calculus-based college course in statistics.

The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

PREPARATION FOR THE COURSE: Students need a strong reading comprehension skills and the ability to solve linear equations.

0797/0798

AP Computer Science (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: AP Computer Science A is equivalent to a first-semester college-level course in computer science. The course introduces students

to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small simple problems to large complex problems. The AP Computer Science. A course curriculum is compatible with many CS1 courses in colleges and universities.

PREPARATION FOR THE COURSE: Students should have a command of computers and working with programs.

MUSIC

GRADUATION REQUIREMENTS: Students must successfully complete 1/2 credit in ARTS EDUCATION. This requirement can be satisfied by taking courses in the ART or MUSIC subject areas. Students who select a music course must choose either Music Appreciation I (1334) or Music Appreciation 2 (1336), courses for the non-vocal or non-instrumental student. For those who select either the vocal or instrumental fields, auditions are required. Ask your guidance counselor for details.

1305/1306

Band (ACP)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Band is a performing group where students study and perform standard band literature and new works of quality. The basic fundamentals of good playing are stressed. Ensemble studies provide material that will develop independence in the reading and the performing of music.

The marching band rehearsals consist of field practice for performances at all football games and marching formations for parades. Concert band plays at assemblies and civic functions and is responsible for two formal concerts a year. Students are expected to participate in all of these activities.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1307/1308

Band (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Band is a performing group where students study and perform standard band literature and new works of quality. The basic fundamentals of good playing are stressed. Ensemble studies provide material that will develop independence in the reading and the performing of music.

The marching band rehearsals consist of field practice for performances at all football games and marching formations for parades. Concert band plays at assemblies and civic functions and is responsible for two formal concerts a year. Students are expected to participate in all of these activities. Band (HON) students will have additional performance requirements which will include participation in chamber ensembles. Students will focus their studies in the following areas: Technical Development - Further developing the technical skills of the Band (ACP) class. Performance - Rehearse, study at home, and perform chamber music. Related Subject Matter - Develop

a deeper understanding of a related topic to the chamber literature that pertains to music. This will include instruction in theory/composition, history, and analysis/comprehension.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1309/1310

Jazz Ensemble (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Jazz ensemble offers the advanced musician the opportunity to become acquainted with and develop an understanding of the professional world of music. This select group will play musical styles such as Rock, Swing, Blues, Dixieland and Jazz with the intention of building a musical library to be performed at dances, festivals, and other major functions. Instrumentation will consist of bass and lead guitar, electric piano, drum set, trumpets, trombones and saxophones.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1315/1316

Orchestra (ACP)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Orchestra (ACP) provides instruction and performing opportunities for string players. The basics of music theory and ensemble playing are stressed. Both string ensemble and full orchestra literature of various style is studied. Participation in scheduled concerts is a part of this course.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1317/1318

Orchestra (HON)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Orchestra (HON) is for students who wish to challenge their musicianship and abilities beyond the experience found in Orchestra (ACP). Several public performances of chamber music repertoire are scheduled throughout the year. Advanced playing technique and rigor will be assessed both individually and in ensemble formats.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1329/1330

Memorial Singers (CCP)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This basic vocal ensemble is designed for the singer that is looking for a group experience. Singing at the middle school level is highly recommended. Other students without any experience, but enjoy singing are encouraged to join. The group will concentrate on proper rehearsal procedures, choral blend and balance, music terminology, music reading, and diction. Seasonal performances will be part of the course.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills.

1325/1326

Concert Choir (ACP)FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Concert Choir is devoted to the study and performance of music from classical to contemporary. An in-depth study of musical style, harmony, and form will be covered in daily

rehearsals. Strict attention will be given to choral blend and balance, voice production and diction. Increasing the student's music reading ability will be emphasized. Annual performances during the school year include the Winter and Spring Concerts. (Incoming freshmen will be auditioned during eighth grade.)

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills.

1327/1328

Chamber Choir (HON)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The chamber choir ensemble performs choral literature of the highest caliber and difficulty. An emphasis will be placed on classical, jazz and a cappella repertoire. Annual performances during the school year include school concerts, festivals and competitions held locally, regionally and nationally. There are numerous mandatory performances held during the school day, evenings and weekends.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills learned in Concert Choir.

1349

Beginning Music Theory (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to give the student a grounding in music and to be a prelude to additional music courses such as Advanced Music Theory. The course will introduce the student to the basic terminology and symbols of music, scales, key signatures, meter, and time signatures and give experience in ear training and melodic and rhythmic dictation.

PREPARATION FOR THIS COURSE: The student needs no previous musical experience to enroll in this class.

1351

Advanced Music Theory (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course will explore the writing of melodies, the study of counterpoint and develop an advanced knowledge of music theory. Basic arranging and composition skills will be combined with the use of music notation software. Also, students will study chords, chord progressions, voicing, and the harmonization of melodies. Also included will be a study of modes and a historical view of music theory.

PREPARATION FOR THIS COURSE: The student needed to have mastered the basic skills learned in Beginning Music Theory.

1337

Music Appreciation 1 (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course offers the music student, as well as the non music-oriented student, the opportunity to become involved with basic music fundamentals. Areas covered include music theory, the study of various instrument groups, meters, musical form, and the history of early world music. This course does not concentrate on rock or jazz music.

PREPARATION FOR THIS COURSE: The student needs no basic music skills to be successful in this course.

1336

Music Appreciation 2 (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This music history course will cover famous American composers of the 20th century such as Charles Ives, Aaron Copland, George Gershwin, and Leonard Bernstein. A study of Broadway musicals and operas of the last 100 years will be included in the study of modern music. Active listening assignments will be a daily part of this course, and students will undertake independent studies of various musicians.

PREPARATION FOR THIS COURSE: The student needs no basic music skills to be successful in this course.

1344

Piano Keyboard (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This semester course is designed for students who have never taken piano lessons and are truly beginners at the piano. The course will introduce concepts in standard musical notation (reading music), basic-level piano repertoire, and piano technique. There are no public performances associated with this course.

PREPARATION FOR THIS COURSE: The student needs no prior musical knowledge to be successful in this course.

1345

Beginning Guitar (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed for students with no prior musical experience. Students will learn the fundamentals of playing the guitar. Students will focus primarily on rhythm and accompaniment style playing, with some time devoted to lead style as well. Students will learn the basics of formal music notation, guitar tablature, and reading lead sheets.

PREPARATION FOR THIS COURSE: The student needs no prior musical knowledge to be successful in this course.

1301/1302

Instrumental Instruction (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Instrumental music offers class instruction for traditional school band or orchestra instruments. The class develops individual musicianship skills, technique, and music reading fluency.

PREPARATION FOR THIS COURSE: Students should have basic music literacy skills and the ability to perform on their chosen instrument.

1311

Advanced Instrumental/Vocal Studies (HON)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course will provide students with the opportunity to learn to improvise jazz, be coached on All-State music, develop small ensembles, and continue more advanced studies on one's instrument. Each student will be expected to work with others and on his or her own.

PREPARATION FOR THIS COURSE: Active participation in the vocal and instrumental program or completion of Beginning Music Theory or permission of instructor.

PHYSICAL EDUCATION & HEALTH

GRADUATION REQUIREMENTS: Every student must successfully complete a full credit of physical education and a 1/2 credit of health education. During the freshman year, each student must select a semester of physical education and a semester of health education. The following year, the other semester of physical education must be selected or students may opt out of the sophomore year requirement by participating on a sports teams for two seasons or by playing two different sports during their high school athletic careers.

1380

Physical Education

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course will focus on fitness, lifelong sports, and activities.

PREPARATION FOR THIS COURSE: This course will offer team sports that focus on skill development, fitness, sportsmanship and teamwork. Appropriate physical education attire is required.

1395

Walking for Fitness

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course will incorporate daily walking for approximately 30 minutes. Emphasis will be placed on cardiovascular improvement with students calculating their personal target heart rate zones in order to maximize their overall physical fitness.

PREPARATION FOR THIS COURSE: Students taking this course should be prepared to walk in outside weather.

1364

Health Education (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The purpose of this course is to help students achieve and maintain health and wellness throughout their lives. Instructional content will follow six units to include: personal health and safety, fitness, nutrition, mental health, alcohol, tobacco, medicine and drugs, and relationships and reproduction.

Emphasis will be on preparing students to be consumers of accurate health information and services, to make healthy decisions, to communicate effectively, to safely manage their health needs and to advocate for themselves. This course will provide students with basic health information while promoting organizational skills, reinforcing concepts and project based learning. This course will move at a slower pace and more student assessment will take place in the classroom.

PREPARATION FOR THIS COURSE: None. This course is required for high school graduation.

1366

Health Education (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: The purpose of this course is to help students achieve and maintain health and wellness throughout their lives. Instructional content will follow six units to include: personal health and safety, fitness, nutrition, mental health,

alcohol, tobacco, medicine and drugs, and relationships and reproduction. Emphasis will be on preparing students to be consumers of accurate health information and services, to make healthy decisions, to communicate effectively, to safely manage their health needs and to advocate for themselves. This course will provide students with in depth health information and will emphasize independent research and work outside the classroom. This course will move at a rapid pace with student assessment taking place in and out of the classroom.

PREPARATION FOR THIS COURSE: None. This course is required for high school graduation.

1390 Recreational Basketball (CCP)

**SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course will introduce physical education students to basic skills, rules, drills, fitness, and game play and may include other team sports.

PREPARATION FOR THIS COURSE: Successful completion of Physical Education.

1386 Strength & Conditioning (CCP)

**SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course combines strength training and physical fitness through a variety of activities which include the use of free weights, machines, and various cardiovascular fitness exercises.

PREPARATION FOR THIS COURSE: Successful completion of Physical Education.

Physical Education through Team Sports

DESCRIPTION: The Manchester School District recognizes that graduation requirements for high school diplomas can be met by awarding credit for participating in school affiliated sports subject to the following conditions:

- Students may be eligible for ½ credit of physical education for participation in a school affiliated sport for two seasons or two different sports for one season.

- Students may earn a maximum of one (1) credit for participation in a school affiliated sport over the course of their high school careers.

- Pass/Fail credit toward the physical education requirement for graduation will be awarded.

- Graduation requirements met by participation in a school affiliated sport for physical education credit shall be clearly designated on student transcripts as "Team Sport Pass/Fail."

(Instruction 106.1 PHYSICAL EDUCATION CREDIT FOR SCHOOL AFFILIATED SPORTS)

SCIENCE

GRADUATION REQUIREMENTS: Every student needs to successfully complete two credits of science. One credit must be a physical science and the other must be a biological science. Both of these courses must be taken during the freshman and sophomore years of high school.

0801/0802 Physical Science (FND)

**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course has two main areas of focus; chemistry and physics. The chemistry component includes the areas of properties and structure of matter and physical and chemical changes. The approach emphasizes the everyday application of the basic concepts. The physics component covers the area of properties of matter, energy, motion and forces. The approach emphasizes the everyday application of physical laws.

PREPARATION FOR THIS COURSE: Students should have a working knowledge of mass, the atom, forces, and basic arithmetic skills to have early success in this subject area.

0803/0804 Physical Science (CCP)

**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course has two main areas of focus; chemistry and physics. The chemistry component includes the areas of properties and structure of matter and physical and chemical changes. The atomic theory, periodic laws, and types of chemical reactions will be introduced. The physics component covers the area of properties of matter, energy, motion and forces. Due to the nature of the material studied, technical language and basic algebra are used. This course is considered a science laboratory course for college admission.

PREPARATION FOR THIS COURSE: Students should be familiar with manipulating multivariable equations, SI unit conversion, and linear and exponential relationships.

0805/0806 Physical Science (ACP)

**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course has two main areas of focus; chemistry and physics. The chemistry component includes the areas of properties and structure of matter and physical and chemical changes. The atomic theory, periodic laws, and types of chemical reactions will be introduced.* The physics component covers the area of properties of matter, energy, motion and forces. The approach emphasizes the application of physics concepts in examining everyday situations. Numerous activities are incorporated to demonstrate the scientific concepts studied in this course. Due to the nature of the material much of the language and explanations will involve technical terms and math. Students should have mastered an understanding of the metric system. Students should be comfortable using the scientific notation and solving algebraic equations.

PREPARATION FOR THIS COURSE: Students should be able to manipulating multivariable equations, use of significant digits, scientific notation, SI unit conversion, and linear and exponential relationships.

0807/0808 Physical Science (HON)

**FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK**

DESCRIPTION: This course is designed to prepare the student for future courses in biology, chemistry and physics. The course has two components: chemistry and physics. The chemistry component covers the areas of properties and structure of matter and physical and chemical changes. The atomic theory, periodic laws, and types of chemical reactions will be introduced. The physics component covers the areas of properties of matter, energy, motion, and force. The approach emphasizes the applications of

scientific concepts in examining everyday situations. Numerous activities are incorporated to demonstrate the concepts studied in this course and to help the student acquire a working understanding of our world. Due to the nature of the material, much of the language and explanations will involve technical terms and math. Students should have mastered an understanding of the metric system. Students should be comfortable using scientific notation and solving algebraic equations. This course differs from ACP in its increased emphasis on critical thinking and strong dependence on algebra.

PREPARATION FOR THIS COURSE: Students should be able to manipulate multivariable equations, use significant digits, scientific notation, and linear and exponential relationships.

0819/0820 Biology 1 (FND)

**FULL YEAR COURSE - 1.5 CREDITS
SEVEN PERIODS PER WEEK**

DESCRIPTION: This course includes the major concepts of biological structure and functions and looks at genetics, life's continuity and change, biodiversity, and ecology. Hands-on investigations will play a significant role in the implementation of this curriculum. *THIS COURSE IS CONSIDERED A SCIENCE LABORATORY COURSE FOR COLLEGE ADMISSIONS.*

PREPARATION FOR THIS COURSE: Students should have a working knowledge of basic science skills, atomic structure and bonding.

0825/0826 Biology 1 (CCP)

**FULL YEAR COURSE - 1.5 CREDITS
SEVEN PERIODS PER WEEK**

This course focuses upon the major concepts of biological structure and functions and includes the topics of genetics, life's continuity and change, biodiversity, and ecology. Hands-on investigations will play a significant role in the implementation of this curriculum. *THIS COURSE IS CONSIDERED A SCIENCE LABORATORY COURSE FOR COLLEGE ADMISSIONS.*

PREPARATION FOR THIS COURSE: Students should have a working knowledge of basic science skills, atomic structure and bonding.

0835/0836 Biology 1 (ACP)

**FULL YEAR COURSE - 1.5 CREDITS
SEVEN PERIODS PER WEEK**

This course includes the major concepts of biology; structure and functions, energy and matter, inheritance, unity and diversity, and investigation. Students will participate in hands-on activities, conduct a significant amount of lab work and analysis. Students will engage in scientific writing using problem solving and critical thinking skills. *THIS COURSE IS CONSIDERED A SCIENCE LABORATORY COURSE FOR COLLEGE ADMISSIONS.* **PREPARATION FOR THIS COURSE:** Students should have a working knowledge of basic science skills, atomic structure and bonding. In addition students should have strong math skills (completion of Algebra I) and English skills.

0837/0838 Biology 1 (HON)

**FULL YEAR COURSE - 1.5 CREDITS
SEVEN PERIODS PER WEEK**

DESCRIPTION: This course includes the major concepts of biology; structure and functions, energy and matter, inheritance, unity and diversity, and investigation. Students will carry out a significant amount of lab work that consists of multidimensional analysis, critical thinking and problem solving. A high level of math comprehension is needed for this course. Extensive writing and reading will be expected from the students.

THIS COURSE IS CONSIDERED A SCIENCE LABORATORY COURSE FOR COLLEGE ADMISSIONS.
PREPARATION FOR THIS COURSE: Students should have a working knowledge of basic science skills, atomic structure and bonding. In addition students should have strong math skills (completion of Algebra I) and English skills.

0891/0892

Anatomy & Physiology (COL)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: Major topics covered are physiology, histology, anatomical terminology, and interrelationships of organ systems within an organism. The systems of the human body will be covered in depth. Labs range from microscope slide work to a complete mammalian dissection. This course utilizes college textbooks, college-level laboratory activities for instruction, and is designed to meet the needs of students seeking to study in the life sciences in a post-secondary experience.

PREPARATION FOR THIS COURSE: Knowledge of cellular structures and functions and physiological aspects of biochemistry are essential for success in this course.

0889/0890

AP Biology (HON)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: This course is designed to be the equivalent of a college introductory biology course by following the Advanced Placement syllabus. The topics are in four general areas: evolution, biological system interactions, energy and matter processing, and transmission of genetic information.

PREPARATION FOR THIS COURSE: Students should have a strong working knowledge of the major biological concepts covered in Biology I (including evolution and genetics). Students should also have a strong working understanding of chemistry (including bonding and chemical reactions). In addition, students will be expected to have strong skills in both math and English.

0843/0844

Chemistry (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Course topics include atomic structure, the periodic table, chemical bonding, chemical reactions, and stoichiometry. Students will develop their skills in a laboratory setting. It is strongly suggested that the student signing up for this course be planning to take a math course concurrently.

PREPARATION FOR THIS COURSE: Students should have the ability to solve simple algebraic equations using variables and unknown quantities, the ability to convert units of measurement in the Metric System verses the English System, the ability to recognize and distinguish between physical & chemical properties as well as physical & chemical changes of matter, and the ability to recognize and distinguish between sources of potential and kinetic energy.

0845/0846

Chemistry (ACP)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: This course covers theoretical and laboratory skills to prepare for a four-year college with concentration in science. Topics include; structure of matter, atomic theory, chemical reactions, stoichiometry, periodic law, bonding, acid-base theory, and nuclear chemistry. For a deeper understanding of the chemical concepts,

students will use the scientific notation and advanced algebraic equations.

PREPARATION FOR THIS COURSE: Students should have the ability to solve simple algebraic equations using variables and unknown quantities, the ability to convert units of measurement in the Metric System verses the English System, the ability to recognize and distinguish between physical & chemical properties as well as physical & chemical changes of matter, and the ability to recognize and distinguish between sources of potential and kinetic energy.

0847/0848

Chemistry (HON)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: In addition to the material covered in the chemistry, students will engage in advanced topics in nuclear chemistry and organic chemistry. Emphasis will be placed on advanced mathematical relationships of chemical reactions.

PREPARATION FOR THIS COURSE: Students should have all of the preparations described in Chemistry (ACP) as well as excellent note taking, problem-solving, and writing skills.

0907/0908

AP Chemistry (HON)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. This course provides students with a foundation to support future advanced coursework in chemistry. Through inquiry-based learning, students develop critical thinking and reasoning skills. Students cultivate their understanding of chemistry and science practices as they explore topics such as atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

PREPARATION FOR THIS COURSE: Students should have a working knowledge of concepts and theories covered in a first year chemistry course. The student should have strong problem solving, writing, and math skills.

0863/0864

Physics (CCP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: In this course, the concepts of space, mass-energy, the scientific method, measurement theory, motion and force, heat and the structure of matter, and wave phenomena, including sound, light and electromagnetism, will be learned. Laboratory work further clarifies the concepts discussed in class.

PREPARATION FOR THIS COURSE: Students should be able to add, subtract, multiply, divide, read and make graphs. Students should know how to find the slope of a line and how to find the area of rectangle and triangle. Students should be able to work responsibly with lab equipment and computers. Students should be able to follow written and oral directions.

0865/0866

Physics (ACP)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: This course will concentrate on the study of mechanics, motion, vectors, forces, energy, momentum, waves, sound, light and optics, electricity and magnetism, and modern physics. The main focus of the course will be the application of knowledge of physics and mathematics to problem solving. Laboratory work will further reinforce the student's ability to apply the principles of physics.

PREPARATION FOR THIS COURSE: Students should be able to use algebra skills to solve for an unknown variable, calculate slopes, areas, the sides of triangles and create and interpret graphs. Students should be able to work responsibly with lab equipment and computers. Students should be able to follow moderately challenging written and oral directions. Students should expect 15 minutes of homework per night plus 4-6 projects per year.

0877/0878

AP Physics (HON)

FULL YEAR COURSE - 2 CREDITS

TEN PERIODS PER WEEK

DESCRIPTION: This course is intended for accelerated students who wish to prepare for the Advanced Placement Physics examination. The basic ideas of calculus may be introduced in connection with physical concepts. Understanding the basic principles involved and the ability to apply these principles in the solution of problems is a major goal of the course. Topics covered in class and through independent study include Newtonian mechanics, thermal physics, electricity and magnetism, waves and optics, and atomic and nuclear physics.

PREPARATION FOR THIS COURSE: Students should have fluency with algebra and geometry skills such as finding slopes, areas, sides of triangles, creating and interpreting graphs, as well as using the trig functions on a scientific calculator. Students should be able to solve multi-step problems and complete complex labs with some computer aided data acquisition. Students should be able to pay attention to details, tolerate challenging activities, ask questions, and seek help when needed. Students should expect 20-30 minutes of homework per night plus 4-6 projects per year.

0925/0926

Astronomy & Space (ACP)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course studies several major concepts: the history of astronomy, our solar system and its contents, our sun and other stars, the Milky Way, galaxies, and the universe. There is an emphasis on recent data and interpretation, and NASA materials and computer simulations will be used.

PREPARATION FOR THIS COURSE: Students should be familiar with: manipulating multivariable equations, use of significant digits, scientific notation, SI unit conversion, linear & exponential relationships, geometric proofs, and trigonometric relationships

0885/0886

Biology 2 (ACP)

FULL YEAR COURSE - 1.5 CREDITS

SEVEN PERIODS PER WEEK

DESCRIPTION: Students selecting this course in biology will develop a more in-depth understanding of many of the concepts covered in Biology 1. Topics such as biochemistry, genetics, biotechnology, evolution, and ecology will be covered.

PREPARATION FOR THIS COURSE: Successful completion of Biology 1 and successful completion of or concurrent enrollment in chemistry.

0984

First Aid (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: In First Aid, students will be introduced to the anatomical structures of the human body. Individuals taking this course will be provided with the knowledge and skills necessary

to sustain life and minimize the consequences of injury or sudden illness until advanced medical care arrives. Topics include CPR, poisoning, shock, burns, open and closed wounds, and bandaging techniques. Certification through American Red Cross in CPR with AED and First Aid is an option, if available.

PREPARATION FOR THIS COURSE: The student needs no prior medical knowledge to be successful in this course.

0894

Human Anatomy (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Human Anatomy is specifically designed for students who are interested in learning about different aspects of the human body, including systems, organs, and tissues. This course, by nature, will require students to accomplish considerable amounts of memory work.

PREPARATION FOR THIS COURSE: Successful completion of Biology 1.

0913

Earth Science (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course studies Earth science, including topics in geology, plate tectonics, weather patterns, and space, including, for example, the structure of planets and the solar system.

PREPARATION FOR THIS COURSE: Students should be familiar with manipulating multivariable equations, use of significant digits, scientific notation, SI unit conversion, and linear and exponential relationships.

0915

Earth Science (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course studies earth science, including topics in geology, plate tectonics, weather patterns, and space, including, for example, the structure of planets and the solar system. There is an emphasis on recent data and interpretation, and the course uses NASA materials and computer simulations.

PREPARATION FOR THIS COURSE: Students should be familiar with manipulating multivariable equations, use of significant digits, scientific notation, SI unit conversion, and linear and exponential relationships.

0972

Ecology (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course emphasizes the interaction between living things and their environment through the concepts of communities, habitats, ecosystems, and pollution. This course provides students with the opportunity to understand their environment; its structure, functions, and working mechanisms; and its ultimate effects upon the individual.

PREPARATION FOR THIS COURSE: Students should draw on and apply concepts from Biology I such as scientific practices, energy cycles, biochemistry, adaptations, and relationships between living and nonliving things within an ecosystem.

0974

Ecology (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course emphasizes the interaction between living things and their environment through the concepts of communi-

ties, habitats, ecosystems and pollution. This course provides students with the opportunity to understand his/her environment, its structure, functions, working mechanisms and its ultimate effects on the individual. There is an emphasis on recent data such as EPA and NASA materials and computer simulations.

PREPARATION FOR THIS COURSE: Students should draw on and apply concepts from Biology I such as scientific practices, energy cycles, biochemistry, adaptations, and relationships between living and nonliving things within an ecosystem.

SOCIAL STUDIES

GRADUATION REQUIREMENTS: Every student must successfully complete 2 1/2 credits for graduation. 1/2 credit must be in Economics. 1 credit must be in United States History taken during the junior year. The student has the two options to complete the American government requirement. 1) One semester of Civics taken during the freshman year or 2) One semester of American Government taken during the senior year. All students must take World History or World Geography in their sophomore year and Economics in the senior year to meet graduation requirements.

0414

American Civics (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course for freshmen emphasizes reading and writing skills in the citizenship context and includes the study of the Constitution, the election process, and the three major branches of government: legislative, executive, and judicial. State, county, and local governments, as well as current events, are discussed throughout the course and will be explored through the study of national and international events. Emphasis is placed upon the responsibilities of being a citizen of the community and of the world.

PREPARATION FOR THIS COURSE: Students will need good organizational skills and the ability to take notes effectively while being able to focus and engage in teacher directed lessons. In addition students should understand that homework will be given on a consistent basis and have a willingness to discuss current event topics.

0416

American Civics (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This course for freshmen emphasizes reading and writing skills in the citizenship context and includes the study of the Constitution, the election process, and the three major branches of government: legislative, executive, and judicial. State, county, and local governments, as well as current events, are discussed throughout the course and will be explored through the study of national and international events. Emphasis is placed upon the responsibilities of being a citizen of the community and of the world.

PREPARATION FOR THIS COURSE: Students should possess the ability to collaborate with other students, write effectively, and have an awareness of current event topics. An ability to write and think critically will also be required. Students will understand that homework will be given on a consistent basis.

0418

American Civics (HON)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: This comprehensive freshman honors course examines our system of government on the national, state, county, and local levels. Students are required to comprehend and analyze constitutional concepts and the workings of government. The course also focuses on contemporary national and international politics, including New Hampshire's political impact. Students taking this course should have a record of demonstrating exceptional academic ability, creativity, and task performance. Essay exams and in-depth papers will be required.

PREPARATION FOR THIS COURSE: Students must have been exposed to a high level of critical writing and research and be familiar with current topics to succeed in this course. Homework will be given regularly and good note taking skills are required.

0574

World History Survey (CCP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Students will gain a global perspective necessary to function as effective citizens in a changing world. Students examine the development of culture within specific groups in order to understand why these groups function and behave as they do. Topics include cultures around the world. Students also have the chance to relate current events to subjects studied.

PREPARATION FOR THIS COURSE: Students should be willing to interact with concepts from different cultures and religions than their own and display a willingness to be involved in the topics covered during the class.

0576

World History Survey (ACP)

SEMESTER COURSE - 1/2 CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: Students will gain a global perspective necessary to function as effective citizens in a changing world. Students examine the development of culture within specific groups in order to understand why these groups function and behave as they do. Topics include cultures around the world. Students also have the chance to relate current events to subjects studied.

PREPARATION FOR THIS COURSE: Historical and global perspectives are essential to function as effective citizens in a contemporary world. In this course, students are expected to develop research and study skills which will enable them to understand contemporary issues and events. Students are expected to be active and motivated learners, demonstrating innovation, adaptability, and a positive mindset.

0579/0580

AP World History (HON)

FULL YEAR COURSE - ONE CREDIT

FIVE PERIODS PER WEEK

DESCRIPTION: There are two main goals of this course. The first is to provide students with the global perspective necessary to function as effective citizens in a changing world. Students will examine the development of societies within and between specific groups around the world in order to understand why these groups function and behave as they do. The topics covered are extensive, and range from the earliest societies to the present. A second goal of the course is to prepare students to take the Advanced Placement exam in World History in May of the academic year. Periodization will be an organizing theme to

study continuity and change throughout the world. Students who take this course should possess strong reading, writing, and research skills and should be prepared to do extensive reading in both primary and secondary source documents. **PREPARATION FOR THIS COURSE:** Students who take this course should possess excellent reading, writing and research skills and are expected to exhibit an attitude and level of motivation equal to a college student. Thus, students will be expected to work at a fast pace and be autonomous and independent learners. **IMPORTANT NOTE: Students are required to complete a summer assignment.**

0443/0444

U.S. History (CCP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to identify and examine major events and themes of United States history from the late 19th century to the present. Students will develop an appreciation for domestic issues as they arose through time and gain an understanding of how America's place in the global community has changed. As part of this course, students study issues and events in New Hampshire history.

PREPARATION FOR THIS COURSE: Students will have an understanding of U.S. History, apply note taking skills and be able to communicate clearly what they have learned from the course. They will also need the ability to discuss different events in US History as well as demonstrate in a variety of ways what they learned from this course.

0445/0446

U.S. History (ACP)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to identify and examine major events and themes of United States history from the late 19th century to the present. Students will develop an appreciation for domestic issues as they arose through time and gain an understanding of how America's place in the global community has changed. As part of this course, students study issues and events in New Hampshire history. The student who selects the course should have a command of reading, writing, and research skills.

PREPARATION FOR THIS COURSE: Students will be expected to be competent writers and proficient readers and possess good communication skills to be used in a variety of mediums including public speaking, writing prompts, research papers and informal discussions. Students will be expected to continue their learning outside the classroom via homework and short and long term assignments/projects.

0449/0450

AP U.S. History (HON)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The Advanced Placement United States History course concentrates on the study of United States history from before the American Revolution to the present. Designed to challenge academically proficient students with a special interest in history, this course encourages students to explore events and issues in depth. Since requirements include extensive readings in primary and secondary sources, varied writing assignments, an oral history project, and an independent study project, students should have well developed reading and writing skills. Special attention is given to developing strategies and skills for taking the Advanced Placement exam in United States History in May of each academic year. In addition to covering material in the AP syllabus, students are assigned Free Response Essays and Document Based Questions (DBQ)

throughout the year to familiarize them with the essay forms used in the exam.

PREPARATION FOR THIS COURSE: Students taking this course should be an autonomous and independent learner, exhibit an attitude and level of motivation consistent with the college student, and must be able to think and write critically in addition to possessing the ability to work at a fast pace.

IMPORTANT NOTE: Students are required to complete a summer assignment.

0424

Economics (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The goals of this course are to assist students to function more effectively in today's economic world and to understand the free enterprise system. Included is an examination of economic principles and institutions. Emphasis is placed upon the development of skills in economic decision-making to allow students to understand their roles as consumers, producers, investors and voters.

PREPARATION FOR THIS COURSE: Students preparation includes being able to participate in class and communicate on all levels with their peers, write effectively, and be active and motivated learners.

0426

Economics (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The goals of this course are to assist students to function more effectively in today's economic world and to understand the free enterprise system. Included is an examination of economic principles and institutions. Emphasis is placed upon the development of skills in economic decision-making to allow students to understand their roles as consumers, producers, investors and voters.

PREPARATION FOR THIS COURSE: Students preparation includes being able to participate in class and communicate on all levels with their peers, write effectively, and be active and motivated learners. Students should possess the ability to think and write critically as well.

0435

AP Microeconomics (HON)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

PREPARATION FOR THIS COURSE: Students preparation includes being able to think and write critically in addition to possessing the ability to work at a fast pace, being an autonomous and independent learner, and exhibit an attitude and level of motivation consistent with the college student.

0436

AP Macroeconomics (HON)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: The AP Macroeconomics course provides students with a thorough understanding

of the principles of economics and how economists use those principles to examine aggregate economic behavior. Students learn how the measures of economic performance, such as gross domestic product (GDP), inflation, and unemployment are constructed and how to apply them to evaluate the macroeconomic conditions of an economy. The course recognizes the global nature of economics and provides ample opportunities to examine the impact of international trade and finance on national economies. Various economic schools of thought are introduced as students consider solutions to economic problems.

PREPARATION FOR THIS COURSE: Students preparation includes being able to think and write critically in addition to possessing the ability to work at a fast pace, being an autonomous and independent learner, and exhibit an attitude and level of motivation consistent with the college student.

0477/0478

AP American Government (HON)

FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: This year-long course follows the curriculum designed by the Advanced Placement advisors, and students are encouraged to take the AP Exam. This is a course for seniors designed to give the student a detailed look into our American government. The primary objectives of the course are to develop knowledge of our present government (federal, state, local) and to promote an understanding of democratic ideas as applied to present problems. The course is designed to encourage an attitude of personal responsibility in support of the ideals of our democratic institutions. Sociological and economic concepts are included in the course, as well as an explanation and examination of our executive, legislative and judicial systems.

PREPARATION FOR THIS COURSE: Students preparation includes being able to think and write critically in addition to possessing the ability to work at a fast pace, being an autonomous and independent learner, and exhibit an attitude and level of motivation consistent with the college student. Student preparation will also include the ability to participate in class and communicate on all levels with their peers and adults across all settings.

0484

Psychology (CCP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Psychology is the study of human behavior and mental processes. Students examine a variety of topics covering the wide scope of psychology. Course content includes brain and behavior development, learning, personality, psychological disorders and therapies, basic theories of motivation and emotion, and health psychology.

PREPARATION FOR THIS COURSE: Students preparation includes being able to participate in class and communicate on all levels with their peers, write effectively, and be active and motivated learners.

0486

Psychology (ACP)

SEMESTER COURSE - 1/2 CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: Psychology is the study of human behavior and mental processes. Students examine a variety of topics covering the wide scope of psychology. Course content includes, but is not limited to, learning, personality, psychological disorders and therapies, sleep theories, and basic theories of motivation and emotion. Research and essay writing is required. Students should be

able to work independently and collaboratively to problem solve, be able to write effectively for a variety of purposes, be able to support their ideas with relevant details and examples, and be prepared to participate in class and communicate on all levels with their peers across all settings . **PREPARATION FOR THIS COURSE:** Students should be able to work independently and collaboratively to problem solve, be able to write effectively for a variety of purposes being able to support their ideas with relevant details and examples. Student preparation will also include the ability to participate in class and communicate on all levels with their peers and adults across all settings.

0489/0490
AP Psychology (HON)
 FULL YEAR COURSE - ONE CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: AP Psychology introduces students to the systematic and scientific study of behavior and mental processes. Students are exposed to the major subfields within psychology. Ethics and methods that psychologists use are demonstrated. The course is modeled after a post-secondary intro to psychology course.

Course requirements include a research paper, class debate, case conference on a fictional patient, and class presentation. Students are also required to complete a summer assignment. In addition to the college-prep requirements students should be an autonomous and independent learner, exhibit an attitude and level of motivation consistent with a college student, and must be able to think and write critically all while working at a fast pace.

PREPARATION FOR THIS COURSE: Students preparation includes being able to think and write critically in addition to possessing the ability to work at a fast pace, being an autonomous and independent learner, and exhibit an attitude and level of motivation consistent with the college student.

IMPORTANT NOTE: Students are required to complete a summer assignment. This course is open to students who have not previously taken a psychology course.

0504
Sociology (CCP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: A variety of topics are offered to students selecting sociology. Subject areas considered are culture, values, norms and sanctions, social groups, stratification, minorities, the family, education and mass society. Students also examine American social issues, family matters, violence and crime, technology, and racism. In-depth projects and cooperative learning activities are assigned to help students understand many issues affecting our society. **PREPARATION FOR THIS COURSE:** Students will be expected to challenge themselves in the areas of group discussions and public speaking, individually, and collaboratively in groups.

0506
Sociology (ACP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: A variety of topics are offered to students selecting sociology. Subject areas considered are culture, values, norms and sanctions, social groups, stratification, minorities, the family, education and mass society. Students also examine American social issues, family matters, violence and crime, technology, and racism. In-depth projects and cooperative learning activities are assigned to help students understand many issues affecting our society. **PREPARATION FOR THIS COURSE:** Students

will be expected to challenge themselves in the areas of group discussions and public speaking, individually, and collaboratively in groups. There is a strong focus on the development and use of soft skills and technology to actively approach 21st century learning standards; prior knowledge of either is not needed.

0584
Crime & Justice (CCP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to provide an overview of the criminal justice system. It will examine criminal behavior, criminal law, the police, forensic science, crime scene investigation, and selected issues in criminal justice. **PREPARATION FOR THIS COURSE:** Students preparation includes being able to participate in class and communicate on all levels with their peers, write effectively, and be active and motivated learners.

0587
Law (ACP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: This course explores how America's legal system copes with moral ambiguity and controversial ethical questions. Major cases concerning administrative practices (affirmative action, privacy, sexual harassment) and basic issues (abortion, capital punishment, the right to die) are read and analyzed. Students evaluate these dilemmas and how they impact our society.

Actual cases, student mock courts, and visits to and by lawyers and other professional people are important parts of this course.

PREPARATION FOR THIS COURSE: Students preparation includes being able to participate in class and communicate across all levels with their peers, write effectively, and be active and motivated learners.

0567/0568
World Geography (ACP)
 FULL YEAR COURSE - ONE CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: World Geography students locate major countries and major physical features of the world. They identify significant characteristics of industrialized and less industrialized nations.

Students develop an understanding of the importance of conserving resources and protecting the environment and the relationship between a nation's wealth and its geography, as well as of the interdependence of the world's peoples.

PREPARATION FOR THIS COURSE: Students must display the willingness to use memorization skills on various political and physical map exercises. Students must have note taking skills as well as reading comprehension skills. Students preparation also includes being able to participate in class and communicate on all levels with their peers, write effectively, and be active and motivated learners.

TECHNOLOGY EDUCATION

IMPORTANT NOTE: Every student enrolled in vocational education or technology education courses must be covered by accident insurance. For those students who are not covered by a family accident insurance such as Blue Cross/Blue Shield, or by any other insurance plan, a school-time accident policy at a low group rate for the school year may be subscribed to through the principal's office.

1603
Industrial Technology (CCP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: Wood, drafting, economic impacts, occupations, and consumer information will be studied. Students will learn safe and effective use of common machines and tools to produce products. Units in the selection and care of tools, fasteners, and other hardware will be covered. This course will also acquaint students with measuring skills, lettering, two- and three-view drawings, and building model bridges and crushing them to explore materials and design strengths. **PREPARATION FOR THIS COURSE:** Knowledge of basic math skills and reading a ruler.

1606
Home Maintenance & Repair (CCP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: This course is designed to give students experience in problem-solving in real-life situations by repairing and maintaining systems and items common to most households. The course includes exposure to basic carpentry, hand tool safety, electrical systems, plumbing systems, furniture repair, and refinishing. Students will work on individual and group projects. **PREPARATION FOR THIS COURSE:** An interest in basic repairs and maintenance, basic math skills and reading a ruler are required.

1611/1612
Woodworking 1 (CCP)
 FULL YEAR COURSE - ONE CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: Students will gain the knowledge and skills to work safely and efficiently with hand and power tools through the construction of shop projects. Emphasis is put on safety, workmanship, construction, and finishing techniques. **PREPARATION FOR THIS COURSE:** An interest in woodworking, basic math skills and reading a ruler are required.

1613
Woodworking 2 (CCP)
 SEMESTER COURSE - 1/2 CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: This is an advanced course for skills development. The student will learn how to plan a project, identify problems, and participate in tool and machine care and maintenance. The student will also learn setups and procedures on machines to produce complete designs in wood. **PREPARATION FOR THIS COURSE:** An interest in woodworking, basic math skills, reading a ruler and successful completion of Woodworking 1.

1669/1670
Principles of Engineering (ACP)
 FULL YEAR COURSE - ONE CREDIT
 FIVE PERIODS PER WEEK

DESCRIPTION: A course that explores basic engineering concepts in an exciting hands-on environment. Topics include simple machines, strength of materials, robotics, structure strength and failure, problem solving, invention, basic machining, career options and much more. **PREPARATION FOR THIS COURSE:** Students should be able to add, subtract, multiply, and divide integers and rational expressions. Interest in engineering is a must.

**EXTENDED
LEARNING
OPPORTUNITIES**

IMPORTANT NOTE: The Manchester School District is committed in bringing extended opportunity credits to students beyond the classroom experience.

Interested students should see their guidance counselors or school-based ELO coordinators if they want to consider this option as a method to earn credits.

Flights of Discovery (2515/2516) is the first course to be offered in conjunction with an outside agency.

2515/2516
Flights of Discovery at the Aviation Museum
FULL YEAR COURSE - ONE CREDIT
FOUR/FIVE HOURS PER WEEK
AFTER SCHOOL COMMITMENT
DESCRIPTION: Flights of Discovery is a National Aeronautics and Space Administration (NASA) computer-based program of teaching-learning and practical hands-on projects that will give students an introduction to the world of aeronautical knowledge and skills. The Flights of Discovery Program is an integrated program crossing the usual lines of course content, enriching mathematics, sciences, geography and history to learn about the principles of flight, how they came to be understood, and how they are applied. Included are modules on Aeronautics, Navigation, Weather, Air Traffic Management, Communications, and Airport Design. The course is located at the Aviation Museum of New Hampshire in Manchester. Students are responsible for transportation to the museum. This course is being offered as an Extended Learning Opportunity (ELO). It has been developed through a partnership with the Manchester School District and the New Hampshire Aviation Historical Society.
PREPARATION FOR THIS COURSE: Students must have a strong interest in this area, be willing to work independently, and commit to an after school schedule.

2527/2528
For Inspiration And Recognition of Science

and Technology (FIRST)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: FIRST is an co-curricular learning experience designed to teach students about science and engineering. Students work with engineers and technicians to design and build a robot to compete in athletic-style competitions with schools from across the country. The team competes in regional and national events, along with several local events. The course is open to all students interested in the subject area and requires a minimum of 90% attendance to all FIRST-related events.
PREPARATION FOR THIS COURSE: Students must have an high interest in this area, be willing to work independently, and commit to and after school schedule.

**ENGLISH
LANGUAGE
LEARNERS**

ENGLISH LEARNERS (EL) classes are designed for students whose first language is not English. Enrollment is determined by the Home Language Survey, Wida ACCESS Placement Test (WAPT) and ACCESS proficiency testing. Students taking EL classes receive high school credits by successfully meeting 21st century competencies and expectations through academics, communication, and social and civic components.

2389/2390
EL Beginners A (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: A course designed for English learners (ELs) with beginning level English language proficiency (WIDA 0-2.9). This course is an intensive English class with a focus on development of both basic social communicative language and cognitive academic language.
PREPARATION FOR THIS COURSE: This course will earn English credit for graduation and must be taken concurrently with EL Beginners B.

2291/2292
EL Beginners B (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: The course uses a multi-tiered

system of support, including a readers' workshop model to accelerate language and literacy development. Students practice language across the content areas for a variety of communicative and academic purposes.
PREPARATION FOR THIS COURSE: This course will earn EL elective credit for graduation and must be taken concurrently with EL Beginners A .

2391/2392
EL Intermediate A (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: A course designed for English learners (EL) with intermediate levels of English language proficiency (WIDA 3.0-3.9). This course will focus on development of academic English vocabulary in projects that require public speaking and writing for real audiences/purposes. Students will continue to develop reading skills in English.
PREPARATION FOR THIS COURSE: This course will earn English credit for graduation and does not have to be taken concurrently with EL Intermediate B.

2293/2294
EL Intermediate B (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: The course will introduce the writer's workshop model to support academic writing development as part of a revision cycle. Students will continue to practice language across the content areas for a variety of communicative and academic purposes.
PREPARATION FOR THIS COURSE: This course will earn EL elective credit for graduation and does not have to be taken concurrently with EL Intermediate A.

2393/2394
EL Advanced (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: This course serves as support

RECOMMENDED PRE-COLLEGE/CAREER TESTING		
	FALL SEMESTER	SPRING SEMESTER
Sophomore Year	PSAT in October for all sophomores	
Junior Year	PSAT in October for college bound juniors	SAT for all juniors. SAT subject tests for some students. Advanced Placement testing for AP courses. ACT for some students.
Senior Year	SAT I and SAT II subject tests. ACT testing.	Advanced Placement testing for AP courses.
Pre-college testing scores that are completed during the school day or outside of school must be sent directly from the testing company to colleges. Registration information for outside tests is available in the guidance department or visit www.collegeboard.com and/or www.actstudent.org .		



for advanced EL students (WIDA <4.0) who are simultaneously taking rigorous academic courses required for graduation. Students who take EL Advanced expand their academic vocabulary across a range of content areas. Students explore their linguistic and cultural heritage and connect this to the civic and economic life of their community in individual and collaborative projects.

This course emphasizes application of academic language in writing, research, and with authentic projects. The course instructor coordinates with content course teachers to tailor instruction to the needs of students who are also taking content courses required for graduation.
PREPARATION FOR THIS COURSE: Students proficiency test scores of 4.0 or above on ACCESS English test or Intermediate 1 course proficiency.

2335/2336
EL Reading Improvement (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: EL Reading Improvement is a supportive reading course modified to complement the learning requirements of EL students whose continued difficulty in reading impacts their acquisition of standard American English reading skills. Students in this course will increase their vocabulary and reading fluency by using various speaking, listening, reading, and writing strategies. Students are placed in this course based on previous formal education, teacher recommendation, WAPT and ACCESS scores, and other factors.

2325/2326
EL Practical Writing (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: EL Practical Writing is a supportive writing course modified to complement the learning requirements of EL students whose difficulty in writing impacts their acquisition of standard American English writing skills. Students in this course will increase their writing fluency by using various speaking, listening, reading, and writing

strategies. Students are placed in this course based on previous formal education, teacher recommendation, WAPT and ACCESS scores, and other factors.

2349/2350
Academic Language Development (CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK

DESCRIPTION: By completing quarterly projects, students learn proper research skills and a variety of ways to present their findings in written documents and in oral presentations. This course enables students to improve their English language skills so they may be more successful in mainstream classes and better prepared for life after high school. Students are placed in this course based on successful completion of EL 1-5, the Home Language Survey, WAPT and ACCESS scores, parental approval, and other factors.

2383/2384
Content Language Development: Culture & Civics(CCP)
FULL YEAR COURSE - ONE CREDIT
FIVE PERIODS PER WEEK
DESCRIPTION: This course is designed for English learners at the beginner-intermediate level of English language proficiency (ELP). The course supports newcomers as they integrate into American culture and a new educational setting. Students learn new vocabulary through hands-on, visual, experiential lessons and apply this in individual and collaborative projects on topics of US history, immigration, and civic engagement. They connect prior-knowledge of civics and history from their native language and culture to the academic vocabulary of social studies in English. Students master the academic terminology and build critical background knowledge specific to US government and democracy that serves as a foundation for study in other social science classes.



SAMPLE REQUIREMENTS FOR COLLEGE/CAREER PLANNING				
ACADEMIC AREA	TECHNICAL COLLEGES	SELECTIVE COLLEGES	MORE SELECTIVE COLLEGES	HIGHLY SELECTIVE COLLEGES
LEVELS IN CLASSES	From (CCP) - Higher choices in some programs	From (CCP and (ACP)	Primarily (ACP)	All (ACP), (HON), or AP courses
ENGLISH	4 Credits	4 Credits	4 Credits	4 or 5 Credits
MATHEMATICS	3 Credits including Algebra 1 or Algebra 1A and 1B and geometry	3 Credits including Algebra 1, geometry, & Algebra 2 & Trig (More for certain programs)	Four (4) Credits including Algebra 1, geometry, & Algebra 2 & Trig (More for certain programs)	Four (4) or five (5) Credits including Algebra 1, geometry, Algebra 2 & Trig, and pre-calculus (More for certain programs)
SCIENCE	Two (2) or three (3) credits including physical science and Biology 1	Three (3) or four (4) credits including physical science, Biology 1, and chemistry	Four (4) credits including physical science, Biology 1, chemistry, physics, &/or anatomy & physiology	Four (4) or five (5) credits including physical science, Biology 1, chemistry, physics, and/or AP courses
SOCIAL STUDIES	American Civics, world history or world geography, US History, economics, electives	American Civics, world history or world geography, US History, economics, electives	American Civics, world history or world geography, US History, economics, electives	American Civics, world history or world geography, US History, economics, electives
WORLD LANGUAGES	Optional	Two (2) consecutive years of the same world language	Three (3) consecutive years of the same world language	Four (4) or five (5) consecutive years of the same world language
FINE ARTS	1/2 credit of art or music to meet state requirements	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition	Art/Music Majors - Four (4) or five (5) Credits - Students may need to submit a portfolio and/or schedule an audition

**MISSION STATEMENT OF
MEMORIAL HIGH SCHOOL**

Manchester Memorial High School is committed to providing a safe and enriched learning environment in which students can

- work toward the realization of academic and creative potential
- nurture individual talents and abilities
- develop respect for themselves and for others
- become more involved and responsible citizens

EXPECTATIONS FOR STUDENT LEARNING

Manchester Memorial High School graduates will have

worked toward the realization of academic and creative potential by

- using critical and creative thinking skills.
- incorporating technology as an aid to problem solving.
- demonstrating academic competencies across the curriculum.
- preparing for a successful transition into the workplace or post secondary education.

nurtured individual talents and abilities by

- developing academic, athletic, social, and civic skills.
- cultivating team and leadership skills.
- refining unique talents.

developed respect for themselves and for others by

- accepting responsibility for personal decisions.
- experiencing a wide variety of physical activities for wellness.
- investing in their own education.

become more involved and responsible citizens by

- recognizing the value of individual participation within the community.
- respecting diversity and the rights of others.

**VLACS Admissions Information for
Part-Time Students**

Part-time students are typically enrolled in another school, being home schooled, or part of some other alternative program. Part-time students can be active in no more than four classes at one time and may not take more than six credits between July 1st and June 30th of any year. Students wishing to enroll in a VLACS course are strongly advised to check with their school's guidance counselor to determine whether selected courses will meet graduation requirements for their school.

Part-time Student Eligibility Criteria

In order to be eligible to enroll in classes as a part-time student at the VLACS a student must:

- Be a New Hampshire resident to qualify for free tuition or pay non-resident tuition in full prior to enrollment;
- Have not earned a high school diploma;
- Not be expelled from a school or diploma granting program;
- Successfully complete the enrollment process;
- Complete all coursework prior to their twenty-first birthday;
- Submit all information required by the NHDOE to ensure eligibility for funding.

**Admissions Information for
Full-time Students**

To complete the admissions process, prospective students are required to (1) complete an admissions application, (2) participate in student/parent interviews, and (3) transfer academic records to VLACS. During the admissions process, students should remain enrolled in their current school program until notified by the VLACS admissions office. Admitted students will be pursuing a VLACS diploma that meets New Hampshire requirements for high school graduation. Students must earn at least four credits per year plus meet requirements for community service, portfolio development, and will be in regular contact with an assigned advisor. Students who successfully complete the admissions process will be enrolled in classes as full-time seats become available. Students may take courses as a part-time student while waiting for full-time seats to become available.

Full-Time Student Eligibility Criteria

In order to be eligible to become a full-time student at the VLACS a student must:

- Be a New Hampshire resident to qualify for free tuition or pay non-resident tuition in full upon admission;

- Have not earned a high school diploma;
- Not be expelled from a school or diploma granting program;
- Successfully complete the admissions application including the submission of school transcripts;
- Complete one or more 1/2 segments of an English, math or science course with a grade of 70% or better as a part-time student before becoming eligible for full-time status;
- Receive a recommendation for acceptance from the VLACS admissions team;
- Complete all coursework prior to his or her twenty-first birthday;
- Submit all information required by the NHDOE to ensure eligibility for funding.

COLLEGE & HIGH SCHOOL CREDIT COURSES

Biology 1
Biology 2
Introduction to Communication
English Composition
French 1
French 2
Health, Safety and Nutrition in
Early Childhood Education
Human Growth and Development
Introduction to Anthropology
Introduction to Nutrition
Introduction to PC Applications
Introduction to Psychology
Interactive 3D Virtual Environments
Criminal Justice
Applied Finite Mathematics
Medical Terminology
Microeconomics
American Politics
Sociology
Statistics
Topics in History - The Civil War
US History - 1870
World Music



**SOME OF THE VLACS COURSES
For 2019-2020**

HIGH SCHOOL MATH

Algebra 1
Algebra 1 Honors
Algebra 2
Algebra 2 Honors
AP Statistics
Liberal Arts Math
Geometry
Pre-Calculus Honors
AP Calculus AB
AP Calculus BC

HIGH SCHOOL ENGLISH

English 1
English 1 Honors
English 2
English 2 Honors
Reading for College Success
Public Speaking
Journalism
Mythology & Folklore
AP English Language and Composition
AP English Literature and Composition
English 3
English 3 Honors
English 4
English 4 Honors
Gothic Literature

HIGH SCHOOL WORLD LANGUAGES

Spanish 1
Spanish 2
Spanish 3
Latin 1
Latin 2
Latin 3
Mandarin Chinese 1
Mandarin Chinese 2
Mandarin Chinese 3
French 1
French 2

HIGH SCHOOL SCIENCE

Biology 1
Biology 1 Honors
Chemistry Honors
Earth/Space Science
Marine Science
AP Environmental Science
Anatomy & Physiology
Anatomy & Physiology Honors
Marine Science
Marine Science Honors
Green Design and Technology
Physical Science
Physical Science Honors
Chemistry
AP Biology
Biotechnology

HIGH SCHOOL SOCIAL STUDIES

American Government
US History
Global Studies
Economics
World History
Careers in Criminal Justice
Criminology
Human Geography
Intro to Sociology
AP US Government
Intro to Women's Studies
Psychology
AP Microeconomics
AP Macroeconomics
AP US History
History of the Holocaust
Intro to Anthropology
Intro to Psychology
Law and Order

HIGH SCHOOL TECHNOLOGY

Computing for College and Careers
Computer Programming - Python & Java
Digital Imaging
Web Design 1
Web Design 2
AP Computer Science A
Green Design & Technology

HIGH SCHOOL BUSINESS

Computer Science 1
Computer Science 2
Introduction to Entrepreneurship 1
Introduction to Marketing 1
Advertising & Sales
Hospitality & Tourism
Entrepreneurship
Sports Marketing

TEST PREPARATION/STUDY SKILLS

English Language Arts Critical Thinking
(SAT, ACT, CCSS Test Prep)
Mathematics Critical Thinking
(SAT, ACT, CCSS Test Prep)
Thinking and Learning Strategies

HIGH SCHOOL ARTS

Digital Photography 1
Digital Photography 2
Music Appreciation
Digital Arts
Digital Imaging
Art in World Cultures
Music Appreciation
Theater, Cinema, & Film Production
Web Design 1
Intro to Social Media

HIGH SCHOOL FAMILY & CONSUMER SCIENCE

Early Childhood Education
Fashion and Interior Design
Intro to Culinary Arts
Real World Parenting