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www.rsd13ct.org/schools/crhs

December 2008

CRHS Mission

The mission of Coginchaug Regional High School is to ensure that each student graduates prepared to successfully meet the demands and challenges of a constantly changing world by committing to high academic standards and meaningful, innovative learning opportunities in a supportive safe environment that promotes collaboration, self-reliance, ethical behavior and civic engagement.

Dear Student and Parent:

Coginchaug Regional High School's teaching staff is proud to present our many course offerings designed to meet the needs of our multi-talented student body. Our goal is to guide the intellectual, social, and emotional growth of adolescents during these important four years so that our students emerge with experiences that will help them to face the future and accept responsibility for their own actions and for others in our society. Adapting to change requires that all students remain open to challenges; in addition, they should be able to think critically and creatively and to communicate respectfully. We are happy to be partners with parents in developing capable young people with such qualities.

This brochure offers brief descriptions of our courses and recommended sequences. The best advice we can offer is for families to work closely with their students, the school, and the staff, particularly the counselors, to map out a four year plan to achieve the unique goals appropriate for each student. It is far easier to alter a good plan than to go back and start over. Education takes place best within a community of learners - students, staff, and parents working together to create a supportive climate in which all members learn and grow. These are precious years, and we want to help each individual make the most of them while at Coginchaug.

Dr. Steven Wysowski
Principal

Mr. Andre Hauser
Assistant Principal

Accreditation Statement

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

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

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

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

Commission on Public Schools

**New England Association of Schools and Colleges
209 Burlington Road
Bedford, Massachusetts 01730-1433
1-781-271-0022**

Procedure for Course Selection

1. Review your long-range educational and career goals. Review and update your four-year plan that covers all the courses necessary to meet graduation requirements and these goals.
2. Discuss your course choices with your parents and your teachers. See your counselor.
3. On course selection day your teachers will make the appropriate recommendation for the following year and will initial your sheet. Students will select three electives and three alternate electives to complete the selection process.
4. **Please note: Students should take extra care in making their elective selections as changes will not be considered once cards are signed and schedules are finalized.**

Parents: if you have questions about your student's course selections, call 349-7221 (or e-mail) for an appointment with:
Mrs. Beth Galliganegalligan@rsd13.org
Ms. Beth Kendallbkendall@rsd13.org
Mrs. Lynn Williamslwilliams@rsd13.org

Please check the guidance website at:
www.rsd13ct.org/schools/crhs/

Minimum Requirements

All students are required to carry a minimum of 7 credits per year.

Graduation Requirements

In order to graduate from Coginchaug Regional High School, students must fulfill the following requirements:

1. Twenty-six (26) credits must be earned.
2. Distribution of Credits Credits
 - a. English (4 years) 4
 - b. Social Studies, including one year of U.S.
History and .5 credit of American Citizenship 3.5
 - c. Science, including one year of biology 3
 - d. Mathematics 3

- e. Physical Education (4 years, unless medically excused) 2
- f. Health 9, 10, 11, 12 2
- g. Fine Arts/Vocational Arts 1
- h. Other courses of choiceto reach requirements for graduation

3. Graduation Competencies

Students will be required to demonstrate the following competencies in order to graduate from Coginchaug Regional High School as required by State of Connecticut PA 01-166:

- a. Literacy: Reads critically for a variety of purposes.
- b. Numeracy: Computes and estimates mathematically.
- c. Scientific literacy: Generates testable hypotheses, designs experiments to test hypotheses, draws conclusions based on experimental data, analyzes conclusions based on existing knowledge or experimental parameters.
- d. Communication skills: Communicates effectively both orally and in writing.
- e. Technological literacy: Accesses and processes information from a variety of sources, including the Internet.
- f. Lifelong learning habits: Produces quality work, collaborates and cooperates, knows how to achieve and maintain a healthy lifestyle.

4. Promotion

Credits for Promotion

- to become a sophomore 5.5
- to become a junior 12
- to become a senior 19 or a planned program to meet graduation requirements
- to graduate 26

Exceptions

Able students may be permitted to take a heavier than normal load of courses so that they can complete the regular high school program in fewer than four years. Students desiring an early graduation will be required to submit an application to the principal prior to the beginning of the second semester of the junior year. This should be prepared with assistance from their counselor.

Special education students must fulfill the credit requirements for graduation at a level determined by their Individualized Education Program.

College Requirements

Requirements for colleges vary. It is the responsibility of the student to consult college catalogues for specific entrance requirements. These materials are available in the Guidance Office. Please consult with counselors for more information.

The minimum suggested academic requirements are:

- 4 credits in English
- 3 to 4 credits in mathematics (including Algebra 1, Geometry and Algebra 2)
- 2 to 4 credits in world language (intensive study in one world language is preferred)
- 3.5 to 4 credits in social studies
- 3 to 4 credits in laboratory sciences
- Electives from the above academic areas or other departments' offerings to meet individual needs.

Nursing schools, engineering schools, and technical schools will expect a student to emphasize courses in the areas of mathematics and sciences.

GPA is based on grades in all courses taken except Chamber Choir, Physical Education, Show Choir, and Jazz Ensemble. GPA is computed for all students at the end of each semester. This GPA is used primarily on transcripts for college admission and for certain senior awards. A student's GPA is cumulative.

College admissions officers are looking for evidence of academic maturation, a challenging selection of courses, personal growth and development, and participation in extracurricular activities. Seniors should carry a full academic program consistent with their future plans.

Assignment of Credits

Report cards are distributed and Honor Roll is computed at the end of each quarter. GPA is computed at the end of each quarter. Students receive letter grades, a “D-” being the minimum required to earn credit.

Individual Opportunities

There are a number of programs at Coginchaug that take into account the special interests and requirements of a wide range of students. See your counselor for more details on any of these options.

Quest (Independent Study)

Quest is a program in which students, with the assistance of faculty and community resource people, can earn .25 credit by pursuing an independent study project. The program is open to students of all grade levels and is designed to accommodate students who truly wish to pursue a topic not offered in the Coginchaug program of studies or who wish to concentrate on a particular aspect of one of their regular courses. Students may be recommended by teachers or themselves. Information is available from the Guidance Office.

Special Education Program

Students who, for a variety of reasons, may need more individualized help in pursuing their high school program are able to receive support in the Special Education Resource Room. Placement in this program is by decision of the building Planning and Placement Team (PPT). The Resource Room provides a wide variety of support services for students with special needs. These include individual student support, resource classes if determined by PPT, and team-taught classes.

Individual Student Support

Developmental Skills is a course designed to provide academic support and resources for students who have an Individualized Education Plan (IEP). Students work with their resource teacher to develop and strengthen their skills as outlined by their IEP objectives. In addition, students will learn strategies and skills which will address such areas as self-advocacy and transition to living and working independently. Students may be placed in more than one section of Developmental Skills depending on individual student needs. Students may earn .5 credits per semester.

Team-Taught Classes

The team-taught classes are jointly taught by general and special educators to academically and behaviorally support heterogeneously grouped students. This integrated setting allows teachers to use their specialized skills to most effectively meet the needs of students. Team-taught classes are available in English, mathematics, science, and social studies.

Summer School

Students who fail a course or lose credit through the Attendance Policy are urged to make up the work at summer school if eligible. Summer school courses are offered through the Middletown school system; however, other school systems' summer school courses may qualify for credit. Students must check with their counselor prior to enrolling in any summer school course and receive approval from administration. One half of the quarters in a failed course must have been passed to qualify for this option. A final exam from Coginchaug may be required to earn credit.

Tutoring Opportunities

Students who wish to contribute their time in a valuable helping experience are encouraged to volunteer for tutoring assignments, either in the high school or in elementary or middle school classrooms. Arrangements can be made through the Guidance Office.

College Career Pathways Program (CCP Program)

College credit may be earned from Middlesex Community College in Accounting I, Algebra II, Biology I, Child Development, Riding the Information Superhighway 12, Interpreting and Producing Texts in the Age of Information, Introduction to Business, Advanced Television Production, College Keyboarding, and Microsoft Office, as part of a CCP Program agreement between Middlesex and Coginchaug. Students with at least junior standing with an overall average of C or better may complete the CCP Program Application and submit it to the high school coordinator, Mr. Gaechter, for review and acceptance. A high school student may earn a maximum of 15 college credits for high school classes and, while participating in CCP Program, the classes are free of charge. High school credit is also assigned.

Advanced Placement Courses

Based on the student's performance on a standardized AP examination, college level credit can be earned in AP English, Biology, Calculus, American/Comparative Government, and American History. Assignment of college credit varies according to the score requirements of individual institutions. High school credit is also assigned.

University of Connecticut Early College Experience Course

A college-level course in English is offered to qualified seniors. College credits may be earned, and high school credit is also assigned. See English Department course description for further explanation.

Wesleyan University High School Scholars Program

Seniors with strong academic backgrounds may apply to Wesleyan to take freshman-level courses there. Additional information and application forms are available in the Guidance Office.

Middlesex Community College - High School Partnership Program

Students with at least junior standing, an 80 scholastic average, and in the top 20% of their class, may, with principal's/counselor's recommendations, enroll in one college credit course each semester. These may be taken days or evenings on a space available basis.

Course Selections

◆ Business Education

Business Education provides a significant contribution to the education of all students in a business-oriented world. Emphasis is placed on enabling students to become productive and contributing members of society who are adaptable to change and capable of economic self-sufficiency and lifelong learning. Courses in the Business Department prepare students for jobs in the business world, serve as an introduction to pre-professional college courses, and/or provide students with skills for personal use. Students may receive college credit in our CCP Program. Students meeting the agreed upon criteria can receive course credit from Middlesex Community College. **Accounting I, College Keyboarding, Introduction to Business, and Microsoft Office** have been identified as articulated courses.

611 Introduction to Business

Credit: 1

Prereq: None

The purpose of Introduction to Business is to prepare students to live effectively in our economic society. The course helps students to understand the operation of businesses and the roles of consumers, producers, and citizens in our society. Areas of study include money and banking, credit, insurance, investments (students participate in the Connecticut Stock Market Game), retailing (students operate the Campus Store and gain membership in FBLA), and business careers, along with additional aspects of our social and economic system. This course is open to students in grades 9-12. Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.

621 Business Mathematics

Credit 1

Prereq: 1 yr of Math

This course is designed to give students competence in basic mathematical skills so that they can be applied to day-to-day living and to many business occupations. Beginning with the basic concepts of mathematics, this course progresses to the study of important business and consumer related topics such as investments, taxes (income, property, sales, excise), wages, budgeting, home ownership, sales, and loan credit. The use of calculators and computers

is emphasized in the problem-solving activities of this course. Business Mathematics may be used to satisfy part of the mathematics requirement for graduation.

631 Sports Marketing

Credit .5

Prereq: None

In this course students will gain experience in many aspects of marketing through the study and application of the sports and entertainment industries. Using current topics in sports and entertainment, this course covers the basic functions of marketing as outlined in national and state standards. Through the development of marketing portfolios, students will learn the basics of the marketing mix, including pricing, promotion, distribution, market research and information management. Topics will also include legal and ethical issues in marketing, customer relations, and career development.

632 Business Law

Credit .5

Prereq: None

This course develops an understanding of the function and purpose of law in a democratic society, including a respect for the rights of others and good habits of justice, honesty, and equity. Particular emphasis is placed on the study of contracts. The subject matter is of great importance to each individual in ordinary day-to-day personal business activities. Business Law is also taught for its personal value to the student, helping him/her to develop an understanding of personal rights and personal obligations in business structures.

633 Applied Economics

Credit .5

Prereq: None

Economics is the science of making choices. The primary objective of this course is to teach students the basic tool kit of economic concepts that will enable them to make better choices in the market place and voting booth, thus becoming better consumers and citizens. Topics such as supply and demand are introduced as tools of analysis. The goal is to enable students to use these concepts in their everyday decision-making process. This course is organized directly along the guidelines established by the Joint Council on Economic Education's Master Curriculum Guide.

635 Personal Finance I

Credit .5

Prereq: None (open to 10-12 gr. students)

This course covers personal financial issues that people face in today's society. Students will have the opportunity to acquire and practice life-long investing, consumer and personal finance decision-making skills. Students will learn how to save for the future and the importance of creating a budget. Course topics will include managing savings and checking accounts, career earnings, budgeting, taxes, credit management, investments, insurance as well as identity theft and consumer protection. Various class projects using current technology will support curriculum objectives in each area studied.

641 Basic Keyboarding/Word Processing

Credit .5

Prereq: None

Basic keyboarding allows students to learn the keyboarding skills necessary to operate a computer by the "touch system" using sophisticated keyboarding development software. In addition, this course emphasizes an introduction to a state-of-the-art word processing program. Students use these skills to format a variety of documents for personal use, e.g., letters, envelopes, and term papers. It is strongly recommended that all students at Coginchaug acquire good keyboarding skills as early as possible in their high school careers.

642 College Keyboarding/Word Processing

Credit .5

Prereq: None

The ability to keyboard information by the "touch system" is an essential skill for all college-bound students. Students learn the alphabetic and numeric keys by using sophisticated keyboarding development software. A state-of-the-art word processing program is introduced. Students complete college application letters, business letters, memoranda, tables, term papers (footnotes, endnotes, parenthetical referencing), and a resume for future use. It is strongly recommended that all students at Coginchaug acquire good keyboarding and word processing skills as early as possible in their high school careers. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.*

643 Microsoft Office

Credit .5

Prereq: Keyboarding recommended

This course gives students an understanding of how a micro-computer and the state-of-art integrated software package, Microsoft Office, can be used to create custom solutions for problems related to business, school, and personal use.

Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.

661 Accounting I

Credit 1

Prereq: Open to sophomores, juniors and seniors

Accounting I is designed to present the introductory concepts and procedures of double-entry accounting and the accounting cycle as applied to both service and merchandising businesses organized as sole proprietorships, partnerships, and corporations. The general journal and special journal approach is utilized. Course content includes traditional methodology and manual applications integrated with computer applications using the latest text, automated accounting software, and computers. Several automated accounting simulations are utilized to apply the concepts learned. This course provides the skills needed for entry-level employment as well as a foundation for post-secondary study in accounting or other business areas. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.*

662 Accounting II

Credit 1

Prereq: Accounting I

Accounting II is a continuation of the study of accounting concepts and procedures presented in Accounting I. Automated accounting continues to be emphasized and integrated into each lesson. The completion of several automated accounting simulations, utilizing up-to-date accounting software and computers, provides students with “hands on” experience. Accounting II is necessary for all students who are planning full-time study or employment in the accounting field.

663 Accounting III

Credit .5

Prereq: Accounting II

This advanced accounting course is designed for students highly motivated in accounting and capable of doing the work in a self-directed manner. Accounting III is a fully automated course designed to give students hands-on experience in using the microcomputer to solve accounting problems. *The textbook, software, and computers are the most up-to-date available.*

◆ Computer Science

Computers are a part of everyday lives, common both in the workplace and the home. Information technology experiences are offered throughout the K-12 curriculum. In high school, specific courses in computer programming and webpage design are offered for those students with a particular interest in computer science.

372 Web Page Design

Credit .5

Prereq: None

This course is an introduction to web page design, layout and construction. It will introduce students to HTML coding skills, Cascading Style Sheets, a web page editor, JavaScript, and image creation software. After completing structured learning activities, students will plan and create a personal website demonstrating their understanding of the elements of design and coding they have learned.

381 Beginning Visual Basic

Credit .5

Prereq: Algebra I

Microsoft Visual Basic has risen as the most popular environment for building Windows applications quickly and easily. This course introduces event-driven computer programming using the Visual Basic programming language. It is a lab-oriented class that teaches students how to write Windows-based computer programs that run using on-screen user interfaces. Emphasis is placed on writing logically structured, well documented programs. The basic programming topics include input/output, decision structures, repetition,

relational and logical operators, built-in functions and graphics. The on-screen component includes designing user-friendly interfaces containing buttons, list boxes, and picture boxes.

382 Intermediate Visual Basic

Credit .5

Prereq: Beginning Visual Basic

This course is a continuation of Beginning Visual Basic. Topics covered include subroutines, user-defined functions, arrays, string functions, graphics, reading and writing files, searching and sorting. This course is project oriented, and special attention is placed on structured programming.

◆ English

Four years of English are required for graduation from Coginchaug. Students must take a full credit of English during each of their four years. They may also select additional courses from the elective offerings during their junior and senior year if space permits. All full-year required courses emphasize reading, writing, speaking, listening, and vocabulary development. A-level courses are challenging and rigorous and require students to have made a commitment to their education. A-level students should have clearly honed their reading and writing skills and have demonstrated ability to work independently. B-level classes are designed for college-bound students who have strong reading and writing skills but still need support in some areas. C-level courses are more directed at acquiring skills and focus more on fundamentals of comprehension and writing; however, a college preparatory curriculum is followed.

111, 113, 114 English 9

Credit 1

Prereq: None

The English 9 curriculum focuses on the study of classical themes in literature. Literary archetypes are applied to the study of short stories, poetry, novels, and drama. Regular vocabulary study and a strong emphasis on writing and grammar skills are important components of the course as well.

121 English 10A

Credit 1

Prereq: English 9

This course is for the student who has mastered English skills and who shows the ability to deal with literature insightfully. The curriculum examines the relationship between language and power using British literature with strong emphasis on expository writing and vocabulary study.

122 European Studies A/B (Interdisciplinary Course)

(Taken in conjunction with Social Studies 222)

Credit 1

Prereq: Teacher recommendation

This interdisciplinary course integrates European history with British literature. Taking advantage of the chronological and topical overlap between the two curricula, this course enriches students' understanding of historical eras by adding the arts, role-playing, and interdisciplinary analysis to the traditional curriculum.

123 English 10B

Credit 1

Prereq: English 9

This course is for the student who wants a college preparatory program but needs continued work in reading and writing skills. The curriculum examines the relationship between language and identity using a variety of literature with emphasis on writing, grammar, and vocabulary skills.

124 English 10C

Credit 1

Prereq: English 9

This course is for the student who needs continued work in basic English skills. Writing, grammar, reading, and vocabulary skills are emphasized, and representative works of literature are studied as appropriate.

131 English 11A

Credit 1

Prereq: English 10

This course is for the student who has mastered English skills and who has shown the ability to deal with literature insightfully. The curriculum focuses on

the study of American literature with strong emphasis on vocabulary skills, the writing of expository prose, and a research paper. Through the study of novels, short stories, poetry, drama, and non-fiction, the student becomes familiar with the major trends in American literature and the rich variety of literature found in a multi-cultural society.

132 American Studies A/B (Interdisciplinary Course)

(Taken in conjunction with Social Studies 232)

Credit 1

Prereq: English 10

This interdisciplinary course unites American history and American literature. It analyzes the cultural and intellectual ideas of the evolving American Republic. Independent research, analytical and creative papers, group projects, debates, and presentations are hallmarks of this course.

133 English 11B

Credit 1

Prereq: English 10

This course is for the college bound student. The curriculum focuses on the study of American literature. Through the study of novels, short stories, poetry, drama, and non-fiction, students become familiar with the major trends in American literature and the rich variety of literature found in a multi-cultural society. A research based paper and improvement of reading, expository writing, and vocabulary skills are a major focus of this course as well.

134 English 11C

Credit 1

Prereq: English 10

This course is for the student who needs continued work in basic English skills. The curriculum focuses on American literature, with strong emphasis on expository writing, vocabulary, and reading skills. Through the study of novels, short stories, poetry, drama, and non-fiction, students become familiar with the major trends in American literature and the rich variety of literature found in a multi-cultural society.

Senior English Electives:

Courses in the elective program are available only by teacher recommendation. Juniors may select courses from the elective program in addition to their required course if space permits. Seniors must choose one literature based * course.

140 Creative Writing 12

Credit .5

Prereq: Teacher Recommendation

This course offers students the opportunity to develop their ability to write creatively and effectively in a variety of forms: poetry, short story, personal narrative, non-fiction, and drama. Written pieces from this class may be used in the *Theater Arts* class as the basis for an original play shared with the community.

141 Academic College Writing 12

Credit .5

Prereq: Teacher Recommendation

This course reviews the fundamentals of the writing process. Students produce a number of different types of writing including narration, description, and exposition. Grammar and vocabulary are included. This course is beneficial to the non-college bound student as well.

142 Accelerated College Writing 12

Credit .5

Prereq: Department approval

This course is designed for the student who has mastered fundamental writing and grammar skills. Focus is on elements of style, expository essays, and literary analyses. College application essays are included.

143 Theater Arts

Credit .5

Prereq: Teacher Recommendation

This course affords the enthusiastic student an opportunity to perform for the community. All students are expected to participate fully in class since attendance and participation directly affect performance. The play shared at the end of the course may be based on the creative pieces from the *Creative Writing* course. Previous dramatic experience is not a prerequisite.

144 Riding the Information Superhighway 12: Interpreting and Producing Texts in the Age of Information

Credit .5

Prereq: Teacher recommendation; limited to 15 students

The ability to communicate effectively is one of the most crucial skills for success in the world of work. This communications course offers a structural approach to reading media in the *Age of Information* and will focus on oral and written communication...incorporating technology. Using internet and mass media outlets, students will read and respond to a range of texts in a variety of ways, including speeches, essays, and multimedia presentations. Students will also learn how to enhance their communication skills with effective use of software tools such as PowerPoint or HyperStudio. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.* Class meets in a computer laboratory.

145 Fantastic Literature 12: Fear and Fascination in Literature*

Credit .5

Prereq: Teacher recommendation

Stories of the fantastic have always been a part of literature. In this class, students will examine representative samples of fantastic literature (science fiction, fantasy, and horror) to see how writers have dealt with the things that fascinate and frighten us. Students will evaluate the selections through essays and oral reports.

146 Great Loves, Great Lovers 12*

Credit .5

Prereq: Teacher recommendation

This course examines both the relationships and conflicts of men and women as well as their society that spans Renaissance to the modern drama of Ibsen's A Doll's House. Students investigate the roles of men and women and their modern malaise by looking at poetry, short story, film, drama, and the modern novel. As they continue to sharpen their critical reading skills, students will write both expository and personal response essays.

147 The Hero in Literature 12*

Credit .5

Prereq: Teacher recommendation

This course examines the many different types of heroes found in our society from the typical cowboy hero of the Old West to the modern anti-hero. Students explore various heroic models and values as they improve their reading and writing skills.

148 Monsters in Our Midst 12*

Credit .5

Prereq: Teacher recommendation

A shepherd eats men for breakfast...a lonely child crushes warriors who won't talk to him...a businessman wakes up one day as a cockroach...These are among the monsters who have captured our imagination for centuries. From ancient mythology to contemporary film, monsters have been romping in our midst with relentless stamina and strength. What constitutes "monstrous"? Why do monsters persist among cultures and over time? What cultural values contribute to the development of a "dark side"? In addition to classic texts such as *Beowulf* and *Frankenstein*, we will explore vampires, werewolves, mummies and alien-robots in poetry, film, art and commercial media. A significant element of the course requirements will be the creation and publication of your own "monster."

150 The Message of Film 12

Credit .5

Prereq: Teacher recommendation

This course examines the genre of film. Students study the history of film, the process of translating literature into film, and the art of filmmaking. Skills in critical thinking, expository writing, and critical viewing are emphasized. Several papers and an individual project are required. Due to the availability of films, a strict attendance policy is enforced.

151 Psychology in Literature 12*

Credit .5

Prereq: Teacher recommendation

In this half-year senior elective, students will examine the way authors, filmmakers and artists have depicted the complexities of human behavior. Beginning with a study of pioneers such as Sigmund Freud, we will examine evolving psychological theories and how they are portrayed in literature and art.

152 Survey of British Literature 12*

Credit .5

Prereq: Teacher recommendation

This course explores the various periods, genres, and themes of the British tradition. Students will study representative works from the Anglo-Saxon period to the contemporary period. A strong emphasis will be placed on reading and analytical and expository writing.

153 Shakespeare 12*

Credit .5

Prereq: Teacher recommendation

This course explores some of the Bard's best-known works including his sonnets and The Taming of the Shrew, The Merchant of Venice, Much Ado About Nothing, Othello, and, if time permits, a history play. The emphasis is on close reading of the text, outside investigation of Renaissance topics, participation and discussion, as well as some memorization and/or dramatization of the text. Students will become acquainted with the beauty and resonance of Shakespeare's poetry and language.

154 Short Stories and Poetry 12*

Credit .5

Prereq: Teacher recommendation

This course examines two kinds of "short" literature that can be read and enjoyed in one sitting. Students study the art of short fiction and the poem to understand their differences as well as their similarities. They study the modern, popular short story and its themes and often parallel those stories with poetry. The course writing reflects both creative and literary critical essay writing.

155 Women's Literature 12*

Credit .5

Prereq: Teacher recommendation

This course is about the world of women in literature: women as authors and women as characters. The visions and voices of women will reveal the world and the society in which they were created. Students will read short stories, novels, drama, and some non-fiction and poetry.

156 Journalism

Credit 1

Prereq: Teacher Recommendation

Level: Gr. 9-11

Journalism, an underclassman elective, introduces students to the basics of news, feature, and editorial writing. Students will learn to find ideas, interview sources, write leads, and prepare the story for publication in the school newspaper. The course requirements include firm deadlines and an expectation that participants will be willing to attend and report on events occurring outside the class period.

157 Senior Journalism *

Credit 1

Prereq: Teacher Recommendation

Level: Gr. 12

Students in Senior Journalism should have demonstrated facility with various writing techniques. This more advanced course includes an analysis of the role journalists play in public discourse, the ethical standards to which journalists adhere, and practice with more advanced journalism styles such as investigative reports and trend stories. The course requirements include firm deadlines and an expectation that participants be willing to attend and report on events occurring outside the class period. Journalism students will also be expected to assume positions of responsibility for the school newspaper.

160 UConn English

Credit 1

Prereq: English 11A and teacher recommendation; limited to 15 students

This full year course is a college writing and literature course that emphasizes the refinement of analytical reading and writing skills. Students are required to complete a substantial number of reading assignments and a minimum of 30 pages of polished writing per semester. Students will receive credit from the University of Connecticut for English 1010 or English 1011 and may elect to take an Advanced Placement exam at the end of this course.

◆ Family and Consumer Sciences

The Family and Consumer Sciences program is entirely elective and is open to both boys and girls. It aims to stimulate the development of skills and concepts that will have value in students' present and future lives.

811 Nutrition and Foods - An Introduction

Credit .5

Prereq: None

This is a lab course in food preparation. In addition to units in planning and preparation of family meals and preparation of various categories of food, it includes a study of basic nutrition.

812 Advanced Nutrition and Foods

Credit .5

Prereq: Intro to Nutrition and Foods and approval of instructor

Students develop skills in advanced preparation of foods from all food groups. International foods, main dish preparation, techniques of garnishing, and food decoration are emphasized. In addition, the study of nutrition continues.

821 Child Development

Credit .5

Prereq: None

Child Development concentrates on infancy and early childhood. Physical, social, emotional, and intellectual development are discussed. A nursery school for pre-school children is planned and operated by the students. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.*

822 Advanced Child Development

Credit .5

Prereq: Child Development and approval of instructor

This course continues the study of the physical, social, emotional, and intellectual development of the child. Greater emphasis is placed on practical application through work with children of different age levels in the nursery school at Coginchaug and in various community pre-school and elementary school programs.

831 Introduction to Interior Design

Credit .5

Prereq: None

In this course students will apply knowledge of design elements to decorating an apartment or home. Also included is a study of housing and furniture styles. Career opportunities in interior decoration will be explored.

832 Textile Arts

Credit .25 or .5

Prereq: None

This is an independent project-oriented course where students choose skills they wish to develop for clothing construction, quilting, knitting, or other textile related crafts.

◆ Guidance

71 WISE (Wise Individualized Senior Experience)

Credit .5

Prereq: None, but students must not depend on this project to complete graduation requirements

This course is designed to give seniors an opportunity to study a topic of special, personal interest. During their senior year, students conduct research related to their topic, making a final, formal presentation to an audience consisting of school and community members. Applications and interviews are required. If accepted into the program, WISE seniors explore their topic and prepare for their presentations under the guidance of a mentor of their choosing. Due to the independent nature of WISE, students are expected to commit to the course and will be subject to the same guidelines for withdrawal as any other semester course. Refer to the Student Handbook for specific information. (Note: WISE runs during quarters 2 and 3.)

◆ Health

91, 92, 93, 94 Health 9, 10, 11, 12

Credit .25

Students are required to take health each year in a sequential fashion. The purpose of the health program is to provide students with the knowledge, skills, and attitudes they need to choose, maintain, improve, and promote lifelong physical, social, and mental health. A project of the student's choice is required of juniors and seniors. Community service, CPR, and first aid are among the choices. Students may complete their projects in the summer if they have their project approved prior to the end of the school year.

◆ History and Social Studies

The social studies curriculum is designed to provide students with a solid grounding in the principles of government, citizenship, history, and culture. District 13 students must fulfill a 3.5 credit requirement in history and social studies, including a one-credit course in United States History and a half-credit course in American Citizenship. Courses with level designations (Global Studies, European History, and U.S. History) are structured to meet the learning needs of

students appropriately placed in them. A-level courses are for motivated students with the honors level reading, vocabulary, and writing skills necessary for independent work with complex sources. B-level courses are for college-bound students with grade level skills who will benefit from more directed practice in improving critical thinking. Some college-bound and some non-college-bound students may be placed in the C-level courses in which they receive more intensive help in developing the essential skills needed to master core material.

211 Global Studies I: The non-Western World A

213 Global Studies I: The non-Western World B

214 Global Studies I: The non-Western World C

Credit 1

Prereq: None

The first portion of our Global Studies program acquaints students with the culture, geography, economics, politics, history, and contributions of the non-Western world. Areas of study may include the Middle East, Africa, India, China, Japan, and the former Soviet Union. These studies provide examples through which students develop understanding of the basic social studies concepts and vocabulary that form the foundation for all subsequent social studies courses. Textbook work is supplemented with presentation projects involving traditional and Internet research, which emphasizes development of the ability to critically assess sources. Area studies lead to examination of global issues such as international economic development, modernization of developing nations, and the place of international organizations in matters of war and peace. Students are placed in one of three levels based on teacher recommendation, test scores, and academic performance.

221 Global Studies: The Western Heritage A

223 Global Studies: The Western Heritage B

224 Global Studies: The Western Heritage C

Credit 1

Suggested prereq: Global Studies I

The second year of our Global Studies program examines the evolution of Europe from the Renaissance to the twentieth century. The curriculum focuses on the development of the political, economic, cultural, and social institutions that continue to shape Western culture. The material is enriched by examination of primary source documents and analysis of the enduring debates in the Western heritage, referencing threads that reach back to Classical and Medieval times. Particular emphasis is placed on developing skills for taking a position on a controversial issue and supporting it with specific evidence. Students also continue development of reading, writing, and research skills.

222 European Studies A/B (Interdisciplinary Course)

(Taken in conjunction with English 122)

Credit 1

Suggested prereq: Global Studies I

Prereq: Teacher recommendation

This interdisciplinary course integrates the Western Heritage course with the tenth grade British literature curriculum. The course addresses the same basic material as the above-described course, and supplements this by taking advantage of the topical overlap between the literature and history curricula to enrich students' understanding by adding the arts, role-playing, and interdisciplinary analysis to the traditional curriculum.

231 United States History A

233 United States History B

234 United States History C

Credit 1

Prereq: 1 year of Social Studies

This course is a chronological survey that develops major themes in United States history. Analytical thinking and critical problem solving through the use of primary and secondary sources are the core skill objectives of this study. A basic text appropriate to the student's reading level is used. Required writing includes research papers, book reports, and essays.

232 American Studies (Interdisciplinary Course) A/B

(Taken in conjunction with English 132)

Credit 1

Prereq: Teacher recommendation

This interdisciplinary course unites the study of American history and American literature. It analyzes the cultural and intellectual ideas of the evolving American Republic. Independent research, analytical and creative papers, group projects, debates, and presentations are hallmarks of this course.

244 American Citizenship

Credit .5

Prereq: Open to juniors and seniors

The purposes of this semester course are to examine the ways citizens can exert their influence on the governing process and to prepare students to be the active participants our democracy requires. While the course focuses on analysis of

the structures, functions, and operations of our government at the federal level, it will include the study of issues at the state and local level as well. The course concludes with an in-depth analysis of the influences driving policy on a specific issue of each student's choosing. This course satisfies the American Citizenship requirement.

245 Choices and Consequences

Credit .5

Prereq: 2 years of Social Studies

This course examines the issues of individual responsibility and human rights. Based on a national curriculum developed over 20 years by the Facing History organization, the class explores how these issues interrelate with our responsibilities as members of society in general and of the many communities to which we belong. Positive and negative historical examples are explored as students examine how human beings treat each other. Historical case studies such as the Holocaust are used to make connections between individual rights and responsibilities and community action. Materials used include text, audio, and visual resources from historical and current events.

246 Comparative Religion

Credit .5

Prereq: 2 years of Social Studies

A variety of world religions such as Christianity, Judaism, Islam, Hinduism, Buddhism, Confucianism, Taoism, and traditional religions are examined in three ways:

- religion as a response to a basic human need for values, ritual, community, and answers to the unanswerable
- religion as an expression of the culture and environment in which it emerged
- religion as a political and historical force.

Readings include excerpts from religious texts and wisdom literature, as well as secondary analytical and historical sources. Investigative assignments include study of the life of a religious leader, and a focused review of religion as it relates to a topic in current politics, culture, or events. This course is appropriate for students of all ability levels who are drawn to discussion of metaphysics, philosophy, ethics, and cultural structures. Note: This course addresses material that some may consider sensitive; every effort is made to ensure that differing belief systems are discussed respectfully and even-handedly.

247 Current Issues At Home/Current Issues Abroad

Credit .25

Prereq: Department recommendation

Taking its topics from the hot issues of the day, each quarter section of this course will explore three student-selected issues as case studies. For these investigations, students will learn to use the tools of various Social Sciences disciplines such as media studies, sociology, and economics. Case students in quarters 1 and 3 ("At Home") will draw from local and American challenges — our response to social and demographic changes, to dilemmas created by new technologies, and to difficult controversies about which we struggle to find common ground. Case studies in quarters 2 and 4 ("Abroad") will take on international and global questions, ranging from environmental and health concerns to international security. Students may take one or both of the quarter courses as scheduling permits.

260 AP American History

Credit 1.5

Prereq: Department recommendation

This advanced placement college-level course is offered for selected qualified juniors who plan to take the national Advanced Placement American History Exam in May. Students are required to read extensively and write critically on important issues in American history, with special attention given to the historical interpretation, analysis, and evaluation of a variety of reading and documentary materials. Department recommendation will be based on overall GPA, teacher recommendation, and performance on a document-based essay task.

261 AP US Government and Comparative Government

Credit 1.5

Prereq: AP U.S. History or department recommendation

This advanced placement college-level course is offered for selected qualified seniors who plan to take the national Advanced Placement Exam in U.S. Government and Comparative Government. It is an appropriate choice for students interested in pursuing a career in law, politics, government, or international relations. The first half of the course concentrates on structures and functions of the American governmental and political systems with an emphasis on national level policy-making. The second half of the course introduces broader concepts of political science using examples of non-American governmental structures. Students are required to read and write extensively, critically, and independently, working to college level performance expectations. This course satisfies the American citizenship requirement.

◆ Mathematics

The mathematics curriculum provides a variety of courses designed to meet the needs for mathematical competency in both academic and vocational careers. All ninth grade students are required to take mathematics, and a student must earn a minimum of 3 credits in math in order to graduate. Most Coginchaug students take four years of mathematics. A-level courses are rigorous courses that place greater attention on proof and abstract thinking. B-level courses are designed for students with strong mathematical skills who plan to attend a four-year college. Courses in the C-sequence follow the same core curriculum as the B-level courses but emphasize basic skills and are designed for students who may attend a two- or four-year college. Courses in basic and applied mathematics are designed for the student who needs a review of basic math skills before taking a full year of algebra.

Ninth grade students are placed in a math course appropriate to their ability and career plans. Students who have not met the state goal on the mathematics section of the Connecticut Mastery Test are reviewed and placed in an appropriate math course.

311 Algebra 1A

Credit 1.5

Prereq: Department approval

This is a fast-paced and in-depth study of Algebra I that emphasizes an understanding of abstract concepts and their anticipated use in subsequent math courses. Topics include solving equations and inequalities in one variable, exponents and radicals, rational expressions, linear equations in two variables, quadratic equations, probability, and statistical analysis. Emphasis is placed on mathematical problem solving.

312 Algebra 1B

313 Algebra 1C

Credit 1.5

Prereq: Department approval

This is a college preparatory course in Algebra I which is the first in a three-year sequence of courses that integrates algebra, geometry, data analysis, and probability and connects all these mathematical strands to real world applications. Topics in this course include statistical analysis, the laws of algebra, linear and non-linear functions, systems of equations, linear programming, and probability. The use of graphing calculators and computers is integrated throughout the curriculum.

314 Pre-Algebra

Credit 1

Prereq: Department approval

Pre-Algebra provides a thorough introduction to the language and skills of algebra, plus a review of some arithmetic skills. Upon successful completion of this course, students are prepared to pursue a more detailed study of Algebra I and Geometry. The following topics are included: algebraic expressions and integers, linear equations and inequalities, fractions, decimals, percents, graphing, probability and data analysis, and basic geometry skills.

315 Applied Math

Credit 1

Prereq: None

Students begin with a review of basic mathematical skills. Attention is given to practical applications. Pre-algebra concepts and the use of calculators are introduced.

321 Geometry A

Credit 1

Prereq: Department approval

Geometry is concerned with the properties of, measurement of, and relations between lines, angles, surfaces, and solids. Geometry A stresses logical thinking and proof, which require strength in critical thinking and sound study habits.

322 Geometry B

323 Geometry C

Credit 1

Prereq: Minimum C- in Algebra 1

This course follows Algebra I and is designed to develop the power to form logical deductions through a valid process of mathematical reasoning. The relationship of points, lines, and figures in a plane is integrated with the study of three-dimensional figures. Emphasis is placed on significant connections between geometry and the real world, as well as connections between geometry and other areas of mathematics such as algebra, trigonometry, and probability.

325 Elements of Algebra & Geometry

Credit 1

Prereq: Department approval

This course is intended for students who have already taken either Algebra 1 or Geometry and need further exposure to these topics before they continue to the next level of mathematics. It is also suited for students who need further work on the concepts emphasized on the Connecticut Academic Performance Test (CAPT). The following topics will be reviewed and expanded upon: Operations with integers and rational numbers, solution of linear equations and systems of linear equations, proportion and percent, similar polygons, area and volume, graphs, and applications.

331 Algebra IIA

Credit 1

Prereq: Geometry and department approval

Algebra II reviews and extends concepts presented in Algebra I. The real number system is studied from a more advanced viewpoint, while new topics including solution of quadratics, complex numbers, logarithms, and series are introduced.

332 Algebra IIB

333 Algebra IIC

Credit 1

Prereq: Minimum of C- in Geometry and department approval

This course reviews and extends the concepts presented in Algebra I and Geometry. The concept of function is revisited and extended through a study of linear, quadratic, polynomial, exponential, logarithmic, and trigonometric functions. In addition, the study of the real number system is extended to include complex numbers. Students who have met the agreed-upon criteria may receive college credit from Middlesex Community College in our CCP Program for Algebra II.

341 Pre-Calculus

Credit 1

Prereq: Department approval

Pre-Calculus is a preparatory course for college calculus that focuses on the study of polynomial, rational, exponential, and logarithmic functions. This study of functions is intended to summarize important concepts and methods

used in concert to prove significant theorems and to solve practical problems. In addition, the concept of limits is introduced, extending from intuitive ideas about limits to the knowledge of a generalized limit as it applies to sequences, series, and functions. Special attention is given to differentiation and integration. Trigonometry is a prerequisite to this course or it can be taken concurrently.

342 Trigonometry

Credit .5

Prereq: Department approval

This is a course in the study of the six circular functions (sine, cosine, tangent, cotangent, secant, and cosecant) and their use in solving right triangles. Additional topics include the Law of Sines, the Law of Cosines, vectors, and polar coordinates. This course must be taken concurrently with pre-calculus to prepare for the study of advanced mathematics and to elect AP Calculus.

343 Advanced Mathematics

Credit 1

Prereq: Department approval

This course begins with an in-depth study of trigonometry. Topics from Algebra II are reviewed and extended, including coordinate geometry, conic sections, rational, exponential, and logarithmic functions, sequences, and series.

345 Probability and Statistics

Credit .5

Prereq: Department approval

This course is an introductory course in probability theory and statistics. It is a course especially useful to college bound students who plan to further their studies in the sciences, engineering, or mathematics. For students who must take a semester of mathematics in college, but not calculus, this course is extremely useful. Probability deals with the laws of chance. Basic concepts of mathematical probability are studied, and investigations showing how probability is applied to every day life are made. Statistics is the science of collecting, organizing, and interpreting numerical data. Elementary statistical concepts are studied and applied to real life situations. Computers and graphing calculators are used to investigate concepts developed in the course and to aid in lengthy calculations.

346 Advanced Topics in Mathematics

Credit .5

Prereq: Algebra II

This course is designed for students who want to continue their study of college preparatory math but do not plan to continue with Advanced Math. The first half of this course concentrates on reviewing and developing math topics that are essential for success on the SAT. Additional topics include consumer mathematics, fractals, probability, and problem solving.

360 AP Calculus

Credit 1.5

Prereq: Department approval

This course is a college-level course in differential and integral calculus. Topics included, but are not limited to, functions and their graphs, limits and continuity, differentiation, integration, and applications. Graphing calculators are used extensively throughout the course and are required for the Advanced Placement exam. Students taking this course are expected to take the AP exam in the spring. Students may also apply for credit from the University of Connecticut by enrolling in the Guidance Office during the spring, prior to the start of this course.

◆ Music

951 Music Theory I

Credit .5

Prereq: Approval of instructor

Music Theory I is a study of the fundamentals of music, including the recognition of notes, scales, intervals, and chords. The course also includes sight singing, ear training, rhythmic training, and introduction to the computer music language MIDI.

952 Music Theory II

Credit .5

Prereq: Music Theory

Music Theory II is a continuation of Music Theory I and includes the study of basic harmonic composition and transcription of music for band, chorus, and orchestra. Included in the course is the continued study of ear training, sight singing, rhythmic training, and MIDI recording/music notation.

961 9th Grade Band

Credit 1

Prereq: None

Participation in 9th Grade Band is designed to help students develop techniques and proficiency on a musical instrument, an understanding and appreciation for musical style and form, a knowledge of music theory, poise, and self-confidence through rehearsal and performance mediums. Band members study the technical aspects of playing instrumental music: fingering technique, rhythm counting, musical phrasing, and sight reading. They have various performance opportunities as a 9th grade ensemble, as well as a combined ensemble with the Concert Band (grades 10-12). Students are required to participate in all performances and will need to purchase a shirt and shoes for the uniform. Instrumental music lessons are an integral part of the band program, and all students are encouraged to enroll in this aspect of the course as well.

962 Concert Band (Grades 10-12)

Credit 1

Prereq: None

Participation in Concert Band is designed to help students develop techniques and proficiency on an instrument, an understanding and appreciation of musical style and form, a knowledge of music theory, and poise and self-confidence through rehearsal and performance mediums. Band members play for various public concerts, as well as school assembly programs. Students also have an opportunity to participate in parades and selected music groups such as Connecticut-All-State-Band, Southern Division Music Festival, and All-New England Band. Instrumental music lessons are an integral part of the concert band program, and all students are encouraged to enroll in this aspect of the course as well. Attendance at concerts is mandatory and students will need to purchase a shirt and shoes for the uniform.

All Concert Band students are eligible to audition for the CRHS Wind Ensemble. This is a 45-piece auditioned band that rehearses and performs a higher difficulty level of music. The ensemble meets around the same time as the Concert Band (utilizing the lunch waves to create a 25-minute slot for the ensemble to practice each band block) and requires no extra time.

963 Jazz Ensemble

Credit .5

Prereq: Approval of instructor

The Jazz Ensemble has become a popular part of the high school program. Participating students receive knowledge in the jazz and popular music idioms and use the results in public performance. The band rehearses Monday, Tuesday, and Thursday from 6:50-7:25 a.m. and 7:30-8:45 Wednesday evenings. The group performs at a variety of concerts and programs throughout the year.

972 Concert Choir

Credit 1

Prereq: None

Students in grades 9-12 are offered training in and expression through vocal music. Choir members are made aware of music of various eras and its interpretation, as well as sight singing. Concert Choir members sing for various public concerts and assembly programs. Individual students may also be selected for the All-New England choirs by audition. All choir members are expected to attend evening rehearsals and concerts during the school year. Students should sign up for the entire year of Concert Choir.

975 Chamber Choir

Credit .5

Prereq: Audition in June

This specialized group rehearses every Tuesday evening for two hours, learning to perform difficult music of all styles and periods. This group often performs carols during the holiday season for events around town, holds an annual Renaissance feast/concert and performs in the Chamber Choir Festival. Attendance is mandatory at rehearsals and concerts.

976 Show Choir

Credit .5

Prereq: Audition in June

The Show Choir is an auditioned singing/dancing group for grades 9 through 12. Members are required to attend rehearsals Monday evenings from 6:30-8:30 pm and Wednesday evenings from 6:00-7:30 pm. The group travels throughout the year and performs 10 to 15 concerts.

Additional music opportunities (extra-curricular) include Ensembles (flute, clarinet, brass, and percussion) and Pep Band.
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◆ Physical Education

Physical Education is an integral part of the total education process. It aims to develop physically, mentally, emotionally, and socially fit citizens through the medium of physical activities selected with a view to realizing these outcomes. All students are required to earn two credits in physical education. Students must enroll in a one quarter required class (.25 credit per class) each of their four years at Coginchaug. They may earn the remaining credit by fully participating in a varsity or junior varsity sport (.5 credit per season played), by enrolling in the appropriate number of physical education electives (.25 credit per class), or by petitioning the Superintendent of Schools to receive physical education credit for an activity that is supervised by an outside coach/instructor. Exceptions to this prescribed program are only to be made for medical reasons that are backed by a physician's explanation. Medical excuses should state date, disability, which activities should be avoided, and estimated duration of disability.

11, 12, 13, 14 Physical Education (required 9, 10, 11, 12)

Credit .25

10 Physical Education Elective

Credit .25

Students choosing this elective will be placed in regular physical education classes. They will be required to participate in all regular physical education class activities.

15 Body Sculpting and Aerobic Activities

Credit .25

This elective will incorporate a self-designed weight-training program and various aerobic activities to help students acquire and maintain a high level of fitness. Students will carefully monitor their progress. They will also explore the role nutrition plays in their physical growth and energy levels.

17 Martial Arts/Self-Defense

Credit .25

Students will be taught various forms of martial arts which will increase their strength, flexibility, and body awareness. Their acquired knowledge of martial arts will then be put to practical use in strategies for self-defense. This course will be offered during the second or third quarter.

18 Racquet Sports

Credit .25

This elective will offer tennis out of doors and eclipse-ball/badminton/pickleball during inclement weather. This course will be offered during the first or fourth quarter.

19 Touch Football

Credit .25

Students will participate out-of-doors unless there is inclement weather. This course will be offered during the first and/or fourth quarter.

20 Walk-Fit

Credit .25

This elective is for the non-competitive student who wishes to chart and improve their fitness level but does not desire to play a sport. This course will be offered during the first and/or fourth quarter, and students will participate out-of-doors.

21 Yoga & Pilates

Credit .25

The Yoga and Pilates elective will be a high energy partnership of physical and mental techniques which will help to revitalize the mind and body, increase strength, flexibility and your ability to concentrate. Practiced regularly, it will benefit every aspect of your life, from improved posture, mood and physical well-being to an increased sense of happiness and peace.

◆ Science

What the future holds depends largely upon the wisdom with which humans use science and technology. Coginchaug offers a comprehensive four-year program in science. Three years of science study, including Biology I, will be required for graduation.

411 Integrated Science A

412 Integrated Science B

413 Integrated Science C

Credit 1

Prereq: None

Integrated Science is an interdisciplinary course in basic physics and chemistry as they apply to the Earth, its materials and processes. Topics to be explored include conservation of energy, energy transfer and transformations, environmental impacts of various human activities, natural resources, and chemical structures and properties. Study of integrated science encourages stewardship of the earth through an understanding of earth processes. The approach used in this lab-science course emphasizes inquiry, discovery, and interpretation of student-obtained data.

421 Biology 1A

422 Biology 1B

423 Biology 1C

Credit 1

Prereq: None

This course is an overview of life processes, biochemistry (including the importance of enzymes), cell structure and function, reproduction, genetics, population biology and evolution. Current issues of global warming, cloning, use of stem cells, and the impact of the human genome project on modern medicine are examples of topics that are covered. The frequent laboratory exercises afford students the opportunity to become physically acquainted with biological concepts and techniques of experimental science. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program for Biology.*

431 Accelerated Chemistry

Credit 1

Prereq: Completion of Biology A, completion of or current enrollment in Algebra II, and teacher recommendation

Students able to show mastery of fundamental chemistry concepts covered in Integrated Science will begin their first year of chemistry studying in more detail nuclear reactions, quantum theory and periodic table trends. They will then immerse themselves in studying molar concepts involved in formula writing, equations and reactions. Unique properties of solids, liquids, and gases will then lead to the study of thermodynamics, acids and bases, and electrochemistry. Students in this course must be highly motivated to explore chemistry in detail and show the ability to work independently in the laboratory.

432 Chemistry

Credit 1

Prereq: Completion of or concurrent enrollment in Algebra II and teacher recommendation

Chemistry is the detailed study of matter and the changes it undergoes. Topics covered are atomic and molecular structure, bonding, chemical reactions, equation writing and calculations, solubility, acid-base reactions, periodic functions, gas laws, and calorimetry. In lab, the properties of matter are studied, and chemical concepts are developed based on observations. This course is recommended for those planning to take additional science courses in high school and/or attend college. This is a challenging course designed for A and B level students.

433 Conceptual Chemistry

Credit 1

Prereq: Algebra I

In Conceptual Chemistry students study the same topics as in Chemistry. Concepts are covered in less depth and at a pace designed to meet the needs of the class.

434 Physical Science

Credit 1

Prereq: Biology I

This course is offered for those students who do not possess the prerequisites for chemistry. Basic elements of physics will be covered with an emphasis on the development of concepts through laboratory work. Topics will include force, motion, energy, waves, light, sound, electricity, and magnetism.

441 Advanced Chemistry

Credit .5

Prereq: Chemistry A or Chemistry B

This semester course in chemistry is offered to complete those topics normally covered in introductory chemistry. Topics will include acids/bases, equilibrium, electrochemistry, heats of reaction, solubility and some organic chemistry. This course is essential for students who plan to study chemistry at the university level or plan to take the SAT II in chemistry.

442 Physics

Credit 1

Prereq: Algebra II or concurrent enrollment in Trigonometry or Advanced Math

The purpose of this course is to develop an understanding of the principles, concepts, and laws related to the physical universe. Mathematics is an important part of the quantitative nature of physics. Experiments are performed to explain and relate principles, concepts, and laws of physics to the real world. Topics covered include motion, force, acceleration, gravity, momentum, energy, light, sound and electricity.

443 Human Anatomy and Physiology

Credit 1

Prereq: Chemistry and approval of instructor

This course is specifically designed to provide an appropriate background in human anatomical and physiological study to those who plan to study biology, as well as any of a variety of topics in the health sciences of medicine, sports medicine, nursing, and physical therapy in college. Units include, but are not necessarily limited to, histology, the development and structure of bone and muscle, the central and peripheral nervous systems, and the cardiovascular system. Clinical considerations are included as appropriate. Laboratory work revolves around histological studies and applications in gross anatomy.

444 Forensic Science I

Credit .5

Prereq: None

This course is an introduction to forensic science. The purpose of this course is for students to gain experience in the major investigative techniques used by forensic scientists, crime scene investigators, and other law enforcement

agencies, and to develop an understanding of the scientific concepts that serve as the basis for these techniques. The course will focus on problem solving with an emphasis on experimentation to collect and analyze evidence, research and evidence-based conclusions. Students will learn the methodology needed to evaluate crime science, the evidence collected and compare between known and unknown variables. The learning experience will include lecture, labs, research and activities. Topics of study will include history of forensic science, evidence analysis, crime scene processing, fingerprint, hair, blood, drugs and fiber analysis.

445 Forensic Science II

Credit .5

Prereq: Forensic Science I

This course is a continuation of Forensic Science I. The course will continue to offer a look into current forensic techniques, but in new areas. Students will investigate crime scene scenarios by looking at trace evidence, DNA, human remains, soil, toxins, glass, documents and handwriting. Which topics are actually studied may vary depending on the scope and sequence of Forensic Science I.

446 Biodiversity

Credit .5

Prereq: Chemistry

Biodiversity is a second level biology course with emphasis on the diversity and interactions of living organisms. Topics include taxonomy and field identification of local flora and fauna, plant and animal structures and functions, and ecological relationships. Projects include insect collection and wild flower collection.

447 Oceanography

Credit .5

Prereq: Permission of instructor

This semester course is designed for students who wish to broaden their understanding of the earth sciences and marine biology. Study topics will include a focus on local marine life and its ecological place in Long Island Sound, current environmental issues impacting waters of the earth, chemistry of sea water, ocean floor topography, oceanic circulation as it affects weather and climate, and the technological advanced that drive ongoing ocean exploration and research.

448 Zoology

Credit .5

Prereq: Biology I

Zoology will compare the anatomy, physiology, development, and evolution of the animals in the major phyla. Global health problems related to animal parasites will be discussed.

* Denotes electives available to freshmen.

*** 449 Animal Behavior**

Credit .25

Prereq: None

This course is designed for any student interested in the behavior of animals. Topics covered will include animal communication, mating rituals, the social life of insects, social hierarchies among birds and mammals, hibernating behaviors, migratory patterns of birds, instinctive and learned behaviors. Grade will be based on participation in the classroom assignments.

Pass/Fail Quarter credit

Earth Science: The following two semester courses are open to all students as electives.

*** 451 Astronomy & Meteorology**

Credit .5

Prereq: None

Students will study the Earth and its place in space. Topics in astronomy will include solar radiation, orbital effects on days and seasons, "life cycle" of stars and the solar system. Students will also study meteorology, how the atmosphere developed, its components, how those components cycle, how energy is transferred in the atmosphere, the formation of weather systems and weather prediction.

*** 452 Geology**

Credit .5

Prereq: None

Students will study the planet Earth's internal processes and products: the internal structure, the transfer of energy to the surface, plate tectonics,

formation of plate boundary features, mineral and rock resources, volcanism and earthquakes. Students will also learn about land processes and products: weathering of the land and resources such as soil that are formed, the work of erosion agents such as wind, gravity and glaciers, and the water systems of the land that create both resources and hazards (flooding and groundwater formations). Emphasis will be placed on Connecticut's geologic history and its significance to us.

460 Advanced Placement Biology

Credit 1.5

Prereq: Biology IA and Chemistry A and approval of instructor

The Advanced Placement Biology course is designed to be the equivalent of a college introductory biology course, usually taken by biology majors during their first year of college. After showing themselves to be qualified on the AP examination, some students, as college freshmen, are permitted to undertake upper-level courses in biology or register for courses for which biology is a prerequisite. Other students may have fulfilled a basic requirement for a laboratory-science course and will be able to take other courses to pursue their majors. The AP Biology course is designed to be taken by students after the successful completion of both a high school biology and a high school chemistry course. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program for Biology.*

◆ Technology Education

Technology Education is offered as an elective to high school students. Any student may select technology education for one or more years. The emphasis is on understanding materials, tools, processes, problems, and the social organization of industry and technology. In courses beyond the introductory level, students develop more detailed skills and understandings. This may mean simulating an industrial process, exploring scientific principles, experimenting with a variety of tools, materials and machines, and/or working individually and in small groups toward the solution of a problem. Students may receive college credit in our CCP Program. *Students meeting the agreed upon criteria can receive course credit from Middlesex Community College for Introduction to Television Production.*

711 Exploring Technology

Credit 1

Prereq: None

Technology in our world is in a state of constant change. By using the framework of communication systems, transportation systems, manufacturing systems, and construction systems, the student is exposed to both the theory and everyday practical hands-on experiences that make up our technical society. This course is an essential foundation course for students considering a more in-depth study of technology curriculum.

721 Exploring Manufacturing I

Credit .5

Prereq: None

This is a one-semester course introducing basic woodworking skills. The areas covered include the use of basic hand tools, the use of woodworking machines, the use of different materials (wood, plastic, and metal), the process used in the design of wood projects, the basic “tips” used in woodworking, and occupational opportunities. Students will build a number of small projects using a variety of the woodworking machines and will have the opportunity to design and build their own work.

722 Manufacturing II/III

Credit .5

Prereq: Exploring Manufacturing I

This is a one-semester course introducing advanced woodworking skills. This course explores procedures and the process of production techniques to construct a number of complex projects. The students will design and produce both individual and group projects in a variety of materials. There is an emphasis on the manufacturing process (design, prototype construction, testing, marketing, production, and quality control) and the items that can be produced using this system.

724 Construction Technology

Credit .5

Prereq: Exploring Technology

This is a one-semester course covering the basics of construction. All aspects of building from site selection to construction methods and mechanical systems are covered. Students complete the course with enough experience in construction to build a storage shed for bikes or yard equipment. Basic designs and construction procedures for building a house are covered through the

construction of a scale model of a wood frame house and hands-on electrical and plumbing projects.

731 Transportation Technology I

Credit 1

Prereq: Completion of Exploring Technology

Transportation Technology is an introductory course to power mechanics. Students study the maintenance and repair of automobiles and small engines. They learn skills by disassembling, testing, repairing, and replacing parts and testing engines. Emphasis is placed on the basic operation of the internal combustion engine. This course is suggested for 10th, 11th, and 12th grade boys and girls.

732 Transportation Technology II

Credit 1

Prereq: Completion of Transportation Technology I

This course provides a broad continuation of the theory and practice of power mechanics. Students receive in-depth experience using diagnostic electronic test equipment. Emphasis is placed upon trouble shooting the major systems of the automobile engine. Students are allowed some opportunity to specialize in areas of their particular interest.

733 Keeping Your Car Alive

Credit .5

Prereq: Completion of 9th grade and a driver's license or permit

This course is designed for those students who wish to learn the basic business of car maintenance. Students learn to change oil, perform simple tune-ups, check fluids, adjust brakes, and perform other tasks which, when carried out on a regular basis, will save money and extend the life of a car.

741 Exploring Drafting and Computer Aided Design I

Credit 1

Prereq: None

This course is a full year introduction to basic technical drafting and basic computer aided design. The skills of sketching, instrument drafting, and Computer Aided Design (CAD) are basic communications that everyone needs to be exposed to in our highly technology oriented world. The first half of the course will be involved with learning the basics of drafting. The second half of the course will introduce the student to AutoCAD LT, an industry standard

software for CAD. Any student considering engineering or architecture as a career should be exposed to these disciplines.

742 Computer Aided Design II, Mechanical

Credit 1

Prereq: Exploring Drafting and CAD I

This course is a full year introduction to the solid modeling of objects and basic image manipulation. The first half of the course will be involved with learning the 3D modeling using the SolidWorks platform. The second half of the course will include advanced 3D manipulation and an introduction to Photoshop. Students will produce a series of mechanical engineering drawings that will result in advanced assembly drawings and 3D modeling. Any student considering engineering as a career should be exposed to these disciplines.

743 Computer Aided Design II, Architectural

Credit 1

Prereq: Exploring Drafting and CAD I

This course is a full year introduction to Architectural CAD drafting. Students will be introduced to advanced architectural drafting (residential architectural design, contract working documents, rendering) using the Chief Architect Platform. Any student considering architecture as a career should be exposed to these disciplines.

744 Electronics & Robotics

Credit .5

Prereq: Exploring Technology & approval of instructor

This Robotics course will provide students with an opportunity to develop an understanding of what it takes to design, produce, develop, and analyze a working robot. This is a very complicated endeavor drawing from many different disciplines. Skills will be developed with both text book assignments and hands-on experiences. At the end of this course students will have completed a number of small BEAM robots and one programmable robot.

752 Photography I

Credit .5

Prereq: None

This is an introduction to photography. Elements of good picture-taking, camera handling, and darkroom procedures are covered. Emphasis on quality composition, working the subjects, and getting images that tell a story are all traditional photographic concepts which need to be understood as we enter the

digital age. Students are required to provide a single lens reflex camera or the equivalent. Students should plan to spend modestly on photographic materials.

761 Introduction to Television Production

Credit .5

Prereq: None

Introduction to TV Production is designed to give students a hands-on experience in the field of television broadcasting. Students will learn about production elements, the TV studio, acting, directing, TV commercial production, career exploration, news gathering, and field production. One of the requirements of this course will be for students to work together in small groups to create short programs that meet broadcast quality standards. *Students who have met the agreed upon criteria may receive college credit from Middlesex Community College in our CCP Program.*

762 Advanced Television Production

Credit .5

Prereq: Intro to Television Production

Advanced Television Production is designed to give students an extensive and comprehensive experience of the television production industry. Students in this course will learn advanced techniques in non-linear editing, digital video camera operation, writing for news segments, and conducting field productions. Advanced Television Production students will be responsible for creating broadcast quality work to be submitted to air on television and for the video production of specific school events.

◆ Visual Art and Design

The Visual Art and Design program offers a variety of elective courses that are designed to meet different abilities and interests. Within each course, a sequence of experiences provides opportunities for the achievement of each student's potential. Experiences emphasize the creation of original art works, but also include art history, an appreciation of artistic expression of all cultures, and the aesthetics of personally responding to art and art criticism. The department strives to develop visual awareness, visual literacy, personal expression, the understanding and use of art concepts and elements, skill and competency with one or more media, and problem solving as a creative process.

911 Design

Credit .5

Prereq: None

Everything in our physical world is designed — either by nature or man. This course introduces students to the language of design and how design choices affect their daily lives. The design elements (line, shape, form, tone, color, texture, and space), and design principles (composition, unity and variety, balance and repetition), are the foundation in creating two- and three-dimensional artworks from a variety of materials. The integration of design in fine art, careers, media, and functional objects is covered as well. The study of design, past and present, is also a component of this course. Students are required to keep an art journal/sketchbook.

912 Drawing

Credit .5

Prereq: None

Skill in drawing and observation is the foundation for all visual arts and design. This course introduces students to the fundamentals of drawing through activities using contour, gesture and sketch line. In addition, students learn to work with tone/shading and color techniques to realistically draw form. Subjects include still life, life, portraits, and personal expression. Drawing materials used include: design pencil, ink pens, charcoal, colored pencil and pastel. Students are required to keep an art journal/sketchbook.

921 Pottery

Credit .5

Prereq: Design and teacher recommendation

This course involves the exploration of clay as material for sculptural design and functional forms using coil, slab, and wheel construction. The course includes glaze application, glaze composition, and a knowledge of stacking and firing the kiln. A commitment to help with studio maintenance, the ability to use time and material responsibly, and excellent craftsmanship are a must for those electing pottery. Student's fingernails cannot be long.

931 Painting/Printmaking

Credit .5

Prereq: Design or Drawing and teacher recommendation

This course introduces a variety of painting and printmaking techniques. Painting goals include exploring tempera, watercolor, and acrylic media to develop an understanding of color, content, originality and style. Printmaking images are created through the processes of monotype, monoprint, linoleum cut, dry point etching, and silkscreen. Personal expression and mixed media work is encouraged. This course includes the study of relevant artists' art and their works. Either prerequisite must be completed before taking this course.

941 Graphic Design Using Adobe Photoshop

Credit .5

Prereq: Design or Drawing and teacher recommendation

Team taught by the Technology Education and Visual Art and Design Departments, students are challenged to create visual projects presented as a series of graphic design assignments. In the Art Studio students develop ideas, design skills and final plans with traditional art materials. Students then translate their plans in the CAD lab using the many tools available in Adobe Photoshop. The integration of art and technology and working as a team to deliver a visual presentation to a "client" are key components of this course.

◆ World Languages

The World Languages department offers five years of study in each of three languages: Latin, Spanish, and French. World language instruction provides not only development of grammar and vocabulary in the target language, but also cultural insight and an increased appreciation of one's own language. Students planning to attend college are encouraged to pursue at least three years of study in one language. Many students also benefit from the study of a second world language.

512 Latin I

Credit 1

Prereq: None

Students study the fundamentals of the Latin language to develop an ability to translate and read basic Latin. Roman culture, customs, and mythology are studied, especially in their influences on American life. This course is valuable in developing English grammar and vocabulary skills.

522 Latin II

Credit 1

Prereq: Successful completion of Latin I

The vocabulary and grammar of Latin I is thoroughly reviewed. Additional grammatical concepts, vocabulary and an introduction to Greek culture are also included. The course is based upon a study of major Latin authors and their works: Apollonius' Jason and the Argonauts, Ovid's mythology, Pliny's letters, Livy's history, and a survey of other Roman writers.

Latin III-IV

Credit .5

Prereq: Successful completion of Latin II

All students who have completed two years of Latin may choose any one or all four semesters of Latin courses offered over a two year span, with .5 credit per semester. All courses include review of grammar, vocabulary, and derivatives as needed by the student, as well as translation, discussion, and supplementary and critical readings.

532 Greek and Roman Mythology Aesop-Phaedrus-Ovid

Various texts are used, including contemporary examples of Greek and Roman mythology in literature.

542 A Survey of Roman Authors

Special emphasis is placed on Roman history, civilization, and the expansion of the Empire.

532 The Silver Age and Late Latin

(to be offered in 2010-2011)

Middle Latin writings on the Old and New Testament, the Carmina Burana, and other medieval texts are studied. Students compare the late Latin and classical styles of writing as well.

542 Virgil and the Augustan Age

(to be offered in 2010-2011)

Students study the Roman epic, The Aeneid, Augustus, and the Golden Age of Rome.

552 Latin V

Credit .5 or 1

Prereq: Successful completion of Latin III-IV. Students must see instructor before signing up.

Students expand their study of Latin literature by reading a variety of Roman authors. Students will also continue their study of Latin grammar and vocabulary.

513 Spanish I

Credit 1

Prereq: None

This introductory course in Spanish gives students the opportunity to acquire beginning skills in listening, speaking, reading, and writing. Culture and a study of daily life and customs of the Hispanic world are also an integral part of the course.

523 Spanish II

Credit 1

Prereq: Successful completion of Spanish I

Students continue to develop the skills of listening, speaking, reading, and writing. The vocabulary and grammar of Spanish I are reviewed. Students study additional verb tenses, grammatical structures, vocabulary, and cultural information.

533 Spanish III

Credit 1

Prereq: Successful completion of Spanish II

This proficiency-based course continues the study and application of verb tenses, grammar, vocabulary, and culture begun in Spanish I and II. Using Paso a Paso 2, students continue to develop their conversational skills as well. At this level of language study, there is an increasing emphasis on reading and writing in the target language.

543 Spanish IV

Credit 1

Prereq: Successful completion of Spanish III

Students continue to develop proficiency in speaking and listening in Spanish using Paso a Paso 3 and the video series Destinos. They also strengthen reading and writing skills in the target language.

553 Spanish V

Credit 1

Prereq: Successful completion of Spanish IV

Students study Spanish literature and the major Hispanic cultures in the U.S. while completing the Destinos series.

511 French I

Credit 1

Prereq: None

This introductory course in French gives students the opportunity to acquire basic skills in listening, reading, speaking and writing. Culture and a study of daily life and customs of the Francophone world are also an integral part of the course.

521 French II

Credit 1

Prereq: Successful completion of French I

Students thoroughly review all the basic grammar and pronunciation concepts of French I. They learn additional basic verb tenses, grammatical structures, everyday vocabulary, and conversation. French II places greater emphasis on the cultural richness of daily French life.

531 French III

Credit 1

Prereq: Successful completion of French II

Students review basic communicative structures studied in French I and II. Emphasis is placed on narrating past events orally and in writing, as well as on describing daily activities in more detail, engaging in longer communicative exchanges, and reading a wide variety of texts and stories. Cultural focus is based on the richness of the French-speaking world.

541 French IV

Credit 1

Prereq: Successful completion of French III

The French IV curriculum includes studying of more complex language skills, discussing future events and future conditions, talking about hypothetical situations, and expressing wishes and obligations. Films and authentic texts are used as an introduction to French literature.

551 French V

Credit 1

Prereq: Successful completion of French IV; students must see instructor before signing up.

The French V curriculum includes the reinforcement of active communication skills and the further development of reading skills. Films, magazine articles, and literary selections are used to further develop cultural awareness.

◆ Title IX

Policy on Nondiscrimination

(Title VI, Title IX, Section 504)

Regional School District #13 does not discriminate on the basis of race, creed, color, national origin, age, sex, marital status, or handicap in establishing and implementing hiring and employment practices and establishing and providing school activities and programs.

Each student, at the time he/she becomes eligible for participation, shall be advised of his/her right to an equal opportunity to participate in school programs without discrimination, on account of [race, color, age, marital status, sex, pregnancy, religion or national origin, ancestry, sexual orientation, past/present history of mental disorder, learning disability and/or physical disability].

It is the policy of the Regional School District #13 not to discriminate on the basis of handicap as required under Section 504 of the Rehabilitation Act of 1973 in the admission of students to programs or any educational service or in the employment of personnel. The Coordinator for Title VI and 504 activities is Amy Emory, Regional School District #13, 135A Pickett Lane, Durham, CT, 349-7208. Inquiries may be directed to the Coordinator or to the Regional Office for Civil Rights, Government Center, JFK Federal Building — Room 1875, Boston, MA 02203.

Grievance procedures are available which provide for the prompt and equitable resolution of complaints alleging violations of Title VI or Section 504. These may be obtained at the office of the Coordinators.

Compliance with Title IX

*Prohibition of Discrimination on Basis of Sex
in Education Program and Activities*

Title IX states: "No person in the United States, shall, on the basis of sex, be excluded from participation in, be denied the benefits of, or be subject to discrimination under any education program or activities receiving federal assistance..."

Grievance procedures for students who feel that they are subject to discrimination on the basis of sex have been established and are available at the Office of the Coordinator.

Questions or concerns regarding sex discrimination should be directed to Amy Emory, Regional School District #13, 135A Pickett Lane, Durham, CT, 349-7203.

Grade ##

Sample Course Selection Sheet

Core Courses

These courses require a teacher recommendation and signature. For each area, the teacher will tell the student the recommended course number/title to enter on the sheet. The teacher must then sign the sheet next to the recommended course.

	Course #	Title/Level	Tchr Signature	Credit
Lang. Arts	_____	_____	_____	_____
Math	_____	_____	_____	_____
Science	_____	_____	_____	_____
Social Stud.	_____	_____	_____	_____
World Lang.	_____	_____	_____	_____

By Teacher Recommendation

Elective Courses

These courses do NOT require a teacher recommendation but may have a prerequisite. Be sure to check the Program of Studies before signing up for a course. Enter the course number, title and credit amount on the lines below for each elective course you wish to take. If the course has a prerequisite, indicate that you have met the prerequisite by writing "yes" in the space provided.

	Course #	Title/Level	Prereq. Taken?	Credit
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____
	_____	_____	_____	_____

Required Courses

093	Health (fall)	.25
013	Phys Ed (spring)	.25

Reminder: You must sign up for at least 7 credits including Physical Education!

Enter total # of credits →

Alternative Elective Box—In the event that the above electives cannot be scheduled, please list course name and number for 3 alternate selections below. Courses will be added from here if you do not reach 7 from the above requests.

1. _____ 2. _____ 3. _____

