

DERBY HIGH SCHOOL PROGRAM OF STUDIES



2016~2017

**DERBY HIGH SCHOOL
MISSION STATEMENT
CORE VALUES...**

Derby High School pursues academic achievement, promotes creative and critical thinking, encourages proper behavior, and fosters responsible citizenship.

A DERBY HIGH SCHOOL STUDENT WILL:

Academic Expectations

- ◆ Demonstrate proficiency in reading, active listening, and visual literacy among and across disciplines
- ◆ Demonstrate proficiency in oral and written communication skills among and across disciplines
- ◆ Critically apply math skills to solve problems
- ◆ Demonstrate basic scientific concepts and their interrelationships
- ◆ Use technology and applied arts to facilitate learning and communication

Social Expectations

- ◆ Demonstrate respectful behavior toward all
- ◆ Make positive contributions to the learning environment
- ◆ Demonstrate appreciation for diversity

Civic Expectations

- ◆ Promote volunteerism
- ◆ Demonstrate respect for our environment
- ◆ Demonstrate awareness of one's role in the community and the world
- ◆ Demonstrate understanding of systems of government

**Cover art work courtesy of Art Department **



DERBY HIGH SCHOOL



8 Nutmeg Avenue
Derby, Connecticut 06418
(203) 736-5036 • (203) 736-5035 fax • www.derbyps.org

Dear Students:

Welcome to the 2016-2017 Program of Studies. This booklet has been prepared to help you choose a course of study for your high school years. Planning is an important part of a successful high school experience. We hope that you find it helpful in making informed decisions.

Derby High School provides you with a quality core curriculum in mathematics, English, social studies, and science. In addition, a wide range of courses are available in art, music, world language and career and technical education. Choosing appropriate courses based on your goals, skills, and interests are important in preparing you for your future beyond high school.

For the 2016-2017 school year, Derby High School will continue to utilize a blended learning model for 9th grade students and this will be extended to 10th and 11th grade students. Edgenuity will be a tool that teachers will continue to utilize to assess student growth.

It is essential that you and your parents/guardian thoroughly review this booklet and discuss your options. Prior to selecting your courses for next year, it is recommended that you work closely with your teachers and school counselors. We strongly encourage you to think carefully about your choices. These courses become the foundation for future education and training that will support your goals.

An important aspect of your high school education is to broaden your experiences beyond the classroom walls. We encourage you to become involved in co-curricular and extracurricular activities in both the high school and the community. Some of the many possibilities available to you include clubs, athletics, student government, the arts, and community service endeavors. All of these provide opportunities for you to pursue interests and make new friendships.

The administration, faculty and staff of Derby High School are here to provide you with the resources, support, and encouragement you will need to be successful.

Sincerely,

Martin Pascale

Martin Pascale
Principal



DERBY HIGH SCHOOL



Counseling Department

8 Nutmeg Avenue

Derby, Connecticut 06418

(203) 736-5036 • (203) 736-5035 fax • www.derbyps.org

Jennifer Ostrosky
School Counselor

Brian Natcher
School Counselor

Dear Parent/Guardian,

We are in the process of course selections with your child for the 2016-2017 school year. At this time, your child will be given the course selection materials and recommendations for the next school year. Please take the time to review your child's selections. The Program of Studies book will allow you and your child to discuss what courses they would like to take for the next school year.

The students will be meeting individually with their teachers and also with their counselors. At that time, their selections will be reviewed and discussed to ensure that each student attains the required courses/credits required for graduation. Please note that the requirement for the graduating classes of 2017, 2018 and 2019 is 24 credits. The incoming freshman class (class of 2020) will have a requirement of 25 credits. Please also note the number of earned credits necessary to enter each grade level, found on page 9. Finally, there are three levels per course and subject. Please review each level prior to making a final decision to determine the most appropriate class level(s) for your student.

Once processed, your student's course requests will be available to view on the PowerSchool parent portal. Any changes or corrections must be brought to the attention of your student's counselor prior to June 1, 2016 in order for this to be completed.

The Counseling Department is available to assist you and your student during this important decision-making process. Please do not hesitate to contact us if you have further questions or concerns.

Sincerely,

Jennifer Ostrosky

Jennifer Ostrosky
School Counselor

Brian Natcher

Brian Natcher
School Counselor

Connecticut Common Core State Standards

On July 7, 2010, with a unanimous vote, the Connecticut State Board of Education (SBE) adopted new national academic standards known as the Common Core State Standards (CCSS) in English Language Arts and Mathematics that will establish what Connecticut's public school students should know and be able to do as they progress through Grades K-12.

Derby's Vision

Since the SBE's adoption of the Common Core, districts across Connecticut, including Derby, have begun implementation of the standards and made preparations for the next generation of assessments. In direct response to the CSDE's revised strategic plan for implementation of the Common Core, which was presented to the SBE on December 5, 2012, the Derby School System has begun a process to prepare and align existing curriculum to the Common Core for grades K-12 for the 2015-2016 school year and beyond.

Assessments

Smarter Balanced is a state-led consortium developing next generation assessments aligned to the Common Core State Standards in English Language Arts/literacy and Mathematics that are designed to accurately measure student progress and help prepare all students to graduate high school college- and career-ready. The SBAC will be taking the place of the Connecticut Academic Performance Test (CAPT).

The work of Smarter Balanced is guided by the belief that a high-quality assessment system can provide information and tools for teachers and schools to improve instruction and help students succeed – regardless of disability, language or subgroup. Smarter Balanced involves experienced educators, researchers, state and local policymakers and community groups working together in a transparent and consensus-driven process.

For the 2015-2016 school year, students in grade 10 will be taking the Science portion of the CAPT test in March. All students in grade 11 will be taking the SAT on Wednesday, March 2, 2016. The College Board offers a free practice site at <https://www.khanacademy.org/sat>.

Measures of Academic Progress

Measures of Academic Progress® (MAP®) assessments are K – 12 interim assessments that measure growth, project proficiency on high-stakes tests, and inform how educators differentiate instruction, evaluate programs, and structure curriculum. Derby High School will be using Measures of Academic Progress® (MAP®) assessments for students twice a year.

Computer adaptive MAP assessments reveal precisely which academic skills and concepts the student has acquired and what they're ready to learn. MAP assessments are grade independent and adapt to each student's instructional level. Every item on a MAP assessment is anchored to a vertically aligned equal interval scale, called the RIT scale for Rasch UnIT— a measurement that covers all grades and is nationally normed. And because the measurement is reliable and accurate, RIT scores serve as an important data point in a student's individual learning plan.



DERBY HIGH SCHOOL

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Derby High School

Introduction to the Program of Studies

TO THE STUDENTS

You have the responsibility of selecting your courses while at Derby High School. The counseling staff, the faculty, and the administration will do whatever they can to assist and guide you in your selections; however, you must realize that the selections you are making will affect your academic program of study and your future. Before you begin to select your courses, give some thought to the following questions:

1. How well have I done in school so far?
2. In what subjects have I been particularly interested?
3. What are my post-high school plans? How are these related to what I have done and will be doing while at Derby High School?
4. Have I looked into the process of college selection? Have I looked into the possibility of beginning my career after graduation from high school? Have I discussed these plans with my parents or guardians and with my school counselor?
5. What extra-curricular interests do I have? How important are they in my total school program and career goals?

Some of these questions may be difficult to answer on your own. Make certain that you have talked with people who may be able to give help, such as your parents/guardians, teachers, counselor and representatives from college, business and industry. Be sure that you spend some time with your school counselor in working out the answers and in selecting your courses during the course of your high school years.

The program in the high school is designed to provide the foundational education every student needs and to offer specific subjects which meet some of your personal objectives. The eventual transition from school to career should be considered. Your ability, interests and future plans should serve as a guide in the selection of your courses.

COURSE SELECTION PROCESS

- Receive Program of Studies
- Read Program of Studies carefully
- Discuss options with parents, teachers, department coordinators and counselors
- Complete the Course Selection Sheet
- Get teacher recommendations
- Have teachers sign off on course selection
- Submit completed Course Selection Sheet to homeroom on time in order to ensure that you are able to obtain preferred courses.
- Parents confirm course requests through the PowerSchool Parent Portal.

THE PROGRAM SELECTED NOW IS THE ONE YOU WILL BE EXPECTED TO FOLLOW DURING THE NEXT SCHOOL YEAR. MAKE YOUR CHOICES WISELY!!!!

COURSE PLANNING FORM

The following form is included to assist you in planning your four year program. Upperclassmen should use it to review previous courses and underclassmen should use it to project future courses. By utilizing this form you will make wiser decisions about your high school program. Students should select six courses at a minimum.

Grade 9-Freshman Academy	Grade 10	Grade 11	Grade 12
<i>Course Name</i>	<i>Course Name</i>	<i>Course Name</i>	<i>Course Name</i>
English I	English II	English III	English IV
Math	Math	Math	Math
World History	U.S. History I	U.S. History II	Civics
Science & Society	Biology	Chemistry	Science/Elective
World Language	World Language	World Language	WL/Elective
Physical Ed/Health	Physical Ed	Elective	Elective
Elective	Elective	Elective	Elective

DERBY HIGH SCHOOL DIPLOMA REQUIREMENTS

The awarding of a Derby High School diploma is contingent upon a student completing and passing a minimum total of twenty-four (24) credits for the graduating classes of 2017, 2018 and 2019 – (the class of 2020 will have a requirement of twenty-five (25) credits) including the following mandatory requirements:

- a) English I, II, III, IV – 4 years/credits
 - (Remedial courses would be in addition to the regular English courses) (4 credits)
- b) Mathematics – 3 years/credits
- c) Science – 3 years/credits
- d) Social Studies – 3.5 years/credits
 - (Includes ½ year Civics and one year of U.S. History)
- e) Physical Education – 1 credit
 - (Waivers may be granted at the sole discretion of the Administration for extreme medical reasons or handicapped conditions)
- f) Health - .5 credit
- g) Fine Arts – .5 credit
 - (Includes courses in art or music)
- h) Practical Arts – 1 credit
 - (Includes courses in business, technical education or work experience)

Students are reminded that, although admission requirements to college may differ widely, most colleges are highly competitive. Derby High School strongly recommends the following for all college-bound students:

4 years of English
 4 years of mathematics
 3-4 years of science
 3-4 years of world language
 3.5-4 years of social studies

The minimum number of credits to be taken per grade level is the following:

- a. Grade 9 – 6 credits
- b. Grade 10 – 6 credits
- c. Grade 11 – 6 credits
- d. Grade 12 – 5.5 credits

The number of earned credits necessary to enter each grade level:

- e. Grade 10 – 5 earned credits
- f. Grade 11 – 11 earned credits
- g. Grade 12 – 17 earned credits

RANK IN CLASS – QUALITY POINT AVERAGE

The computation of rank in class is based on course levels and grades earned. Each course carries a weight value which is determined by the course's level of difficulty. The class rank will include all subjects except Pass/Fail courses. It will be determined at the end of junior year and again at the end of the 1st semester of senior year.

An example of the various levels associated with letter grades are illustrated below:

(Quality Points given)

<u>Grade</u>	<u>AP/ECE</u>	<u>Honors</u>	<u>College Prep</u>	<u>Academic</u>	<u>General</u>
95	16	14	12	11	10
85	14	12	10	9	8
75	12	10	8	7	6
65	10	8	6	5	4
0-64	0	0	0	0	0

Interpretations of Course Levels

- (AP) **Advanced Placement:** College level courses
- (ECE) **Early College Experience:** College level courses; Earn credits from the University of Connecticut
- (H) **Honors:** Advanced work beyond grade level with focus on critical and higher thinking orders
- (CP) **College Prep:** Advanced work at grade level designed to prepare the student for college level courses
- (A) **Academic:** Work at grade level specifically designed for students who will benefit from individualized attention and extra support in all academic skill sets
- (G) **General:** Courses specifically designed for students requiring accommodations and modifications as well as specialized curriculum.

AP Courses: Teacher recommendation is required for all AP courses.

Honors Courses: Students who maintain an 85 average in current course work can be recommended for the subsequent honors course. In addition, students may be placed in an honors course with departmental approval.

Placement in levels is determined by the administration, faculty, and counseling department based on the student's ability as identified in the student's prior class performance, achievement and test scores.

Grading: The grading system for all students and all courses is a numeric grade system from 0 to 100. The minimum passing grade to earn a full year or semester credit is 65. A final year end or semester grade of less than 65 will not earn credit. Summer school will be available in some subject areas for all students whose year-ending final grade falls between 50-64.

CHANGES IN STUDENT SCHEDULES

You will select courses in the early spring of each year for the following academic year. You must keep in mind that this selection represents *a final choice of courses*, with some exceptions:

1. If you have completed satisfactorily a summer school study of courses which were failed or incomplete in June, then you may apply for a program change during the summer.
2. If your educational objectives have been altered significantly, then an individual interview with a counselor before the opening day of school may result in a recommendation for change.

◆ **Any student request for program changes must be accompanied by a letter from the student as well as the student's parent and guardian indicating approval of such requests.**

Protocol for adding/dropping a course:

1. Students will be given an option to add or drop a course until two weeks into the semester.
2. Counselor will check for space availability.
3. Counselor will give the student a Schedule Change Form with a directive that the form must be returned by the next day with the teacher and parent signature indicating approval.

** Teachers should be made aware that if a student's name appears on their class roster, they are responsible for that student. DO NOT assume that a course change has occurred because a student has expressed an interest in dropping. The ADDING teacher should sign first. The DROPPING teacher should not sign unless the adding teacher's signature is on the form.

** Any further schedule changes after the two week period (the withdrawal deadline) require a request in writing from the student as well as the student's parents or guardian indicating approval of such requests. Final decision will be made by administration.

** Requests that involve a LEVEL CHANGE require completion of the Request for Change of Program and the Schedule Change Form. Any student request for program changes must be accompanied by a letter from the student as well as the student's parent or guardian indicating approval of such requests. The final decision will be made by administration.

GRADING PROCEDURE FOR DROPPED COURSES

Deadline for Dropping a Course:

0.5 and 1.00 credited courses - End of the first marking period

- A student who withdraws from a course with a passing grade after the course withdrawal deadline has passed will receive a “WP”, which will appear on the student’s permanent record and transcript.
- A student who withdraws from a course with a failing grade after the course withdrawal deadline has passed will receive a “WF”, which will appear on the student’s permanent record and transcript.
- If a student drops a course prior to withdrawal deadline, the course will not appear on the student’s transcript or permanent record.
- We do not allow courses to be audited once a student has been registered for the class.

Policy on Waivers of Level:

Derby High School recognizes the right of a parent/guardian to appeal a student’s recommended level or course. Should a parent/guardian choose to do so, he/she should contact the student’s school counselor who will provide the appropriate forms to complete. A conversation with the department coordinator of the subject area is required prior to the level change. Students who waive into an Honors/Advanced Placement course will be expected to produce the same quality of work as the rest of the class.

Sports Eligibility:

The Connecticut Interscholastic Athletic Association (CIAC) mandates that all students, in order to be eligible for athletics, pass at least four full-time courses for the quarter prior to the start of the season and during any given season. At Derby High School, students must earn a minimum of a 65 in order to be considered passing. Incompletes are not considered passing.

Independent Study:

Independent Study in any subject area requires prior approval of the department coordinator and the administrative team. Independent study projects may not be used for meeting departmental requirements for graduation except in most unusual circumstances with approval of the principal.

NON-DISCRIMINATION POLICY:

The Derby Public Schools does not discriminate against students, parents, guardians, employees on the basis of race, national origin, religion, sex, age, or mental or physical disability. If any student, parent, guardian, or employee feels aggrieved by the school district or its agents or employees, a complaint may be filed with: Shelley Sheridan, Compliance Officer, Central Office, 35 Fifth Street, Derby, CT 06418, Telephone: 203-736-5027. This policy is required in order to receive funds for Applied Education Programs.

POLITICA CONTRA LA DISCRIMINATION:

Las escuelas públicas de Derby no discriminan contra alumnos, padres, guardians, empleado, a causa de raza, origen nacional, religión, sexo, edad o incapacidad física. Si alguno alumno, padre, guardián, o empleado cree que hay la discriminación contra si de la administración de las escuelas, de sus agentes, o de sus empleados, se puede quejar con la siguiente persona: Shelley Sheridan, Central Office, 35 Fifth Street, Derby, CT 06418, telephone: 203-736-5027. Esta política es necesaria para recibir fondos para Programas Aplicado de La Educación.

***Note: Courses are offered on the basis of enrollment and staff availability.**

ART



INTRODUCTION TO ART (CP)

GRADE 9-12

.5 credit

Course #1811

This is a basic course that introduces the student to different materials and methods of artistic expression through 2D or 3D artwork. The elements and principles of design, drawing, and painting are all introduced and explored.

ADVANCED ART (CP)

GRADE 10-12

1 credit

Course # 1825

This course is intended for motivated students committed to serious study of studio art, building on the Elements and Principals of Design previously learned in Introduction to Art. Students will explore advanced techniques in two-dimensional and three dimensional art using mixed media. Problem solving that focus on approaches to art processes, written and/or oral critiques and reflection of results is expected. Emphasis of this course is on quality of work, concentration in a particular artistic concept, developing a body of related works based on a personal idea or theme. The resulting portfolio will show evidence of artistic development and creation of an individual series or body of work for each student. **Prerequisite: Introduction to Art, Drawing and Painting**

CERAMICS/SCULPTURE I (CP)

GRADE 9-12

.5 credit

Course #1820

This course explores three-dimensional design. The student will use clay and various other media to gain knowledge of three dimensional forms and sculpture.

CERAMICS/SCULPTURE II (CP)

GRADE 10-12

.5 credit

Course #1822

Independent study of three-dimensional design; students will be constructing a variety of projects, as well as continuing with ceramics and using the potter's wheel. **Prerequisite: Ceramics/Sculpture I**

DRAWING AND PAINTING (CP)

GRADE 10-12

.5 credit

Course #1831

The student will use different types of painting and media techniques to explore a range of creative expression. Painting theories and techniques will be studied through various projects. The student will use watercolors, acrylic and oil pastels for their work. **Prerequisite: Introduction to Art.**

☐ GRAPHIC DESIGN (CP)

GRADE 10-12

.5 credit

Course #1891

This course focuses on the history, industry and application of graphic design. This course requires computer skills for digital work and traditional art skills for studio components. Students are expected to have an understanding of the basic art elements and principals.

Prerequisite: Introduction to Art

☐ DESKTOP PUBLISHING/YEARBOOK (CP)

GRADE 12 ONLY

1 credit

Course #1890

The students in this course will learn the basics of desktop publishing while creating this year's yearbook, *The Lookout*. Some knowledge of computer skills and word processing is recommended.

Prerequisite: With instructor's permission only: teacher recommendation form required.

📷 DIGITAL PHOTOGRAPHY (CP)**GRADE 9-12****.5 credit**

Course # 1893

This course focuses on the use of basic digital photography and photographic manipulation techniques. Beginning with the basic camera functions, and through a variety of assignments students will learn the basics of composition to enhance their own photographic style. An understanding and critique of the basic art elements and principals is expected. Students must provide their own camera for this course. **Prerequisite: Introduction to Art.**

📷 ADVANCED DIGITAL PHOTOGRAPHY (CP)**GRADE 10-12****.5 credit**

Course # 1897

This course builds on the skills and Elements and Principals of Design already mastered in Digital Photography; utilizing a more in-depth approach to editing, and other advanced photographic techniques. Students will continue digital capture and image processing on the computer, learn to create stronger and more interesting compositions using digital media, create a portfolio of images that relate to a common theme or purpose as well as showcase their photographs on a website or on other internet resources, while participating in on campus or off campus shows, competitions or activities. Acquisition of necessary language, critical thinking and analytical skills to communicate their ideas to others about the photographic medium is expected. **Prerequisite: Digital Photography.**

**BUSINESS****ACCOUNTING I (CP)****GRADE 10-12****1 credit**

Course #2621

This course provides the basic principles, concepts, and procedures of accounting. Students experience the systematic flow of business operations through the use of a simulation practice set. They learn how to use journals, ledgers, and checking accounts. Students will learn the basic preparation of financial statements. A computer software program is used as a supplement to enhance the program.

ACCOUNTING II (CP)**GRADE 11-12****1 credit**

Course #2631

This course is designed for students interested in accounting as an occupation or those planning to major in accounting or business administration in college. Students study payroll registers, partnerships, and corporations as well as analyze and interpret business reports and records.

Prerequisite: Approval of Accounting I teacher is required.

PERSONAL/FINANCE MANAGEMENT (CP)**GRADE 10-12****.5 credit**

Course #2649

This one semester class will follow the National Standards for Personal Finance. This instruction includes simulations, case studies and interactive exercises that allow students to apply the financial principles and concepts addressed. Guest lecturers from the community will bring the real world of business into the classroom. Areas of study include creating a financial plan, budgeting, saving and investing, spending and credit, and insurance.

COOPERATIVE WORK EXPERIENCE (CP)**GRADE 11-12****1 credit**

Course #2651

The Cooperative Work Experience Program (CWE) is designed to equip juniors and seniors with real world occupational skills necessary to be successful in the 21st century workplace. Opportunities are provided for students to combine comprehensive classroom instruction with paid-on-the-job experience. The course consists of topics such as career exploration, obtaining workplace readiness skills, utilizing technology, understanding and working with cultural differences, as well as development of critical thinking and effective interpersonal communication skills.

COOPERATIVE WORK EXPERIENCE PRACTICUM (CP) GRADE 12 1 credit

Course #2650

The practicum requires that each student hold a part time job in cooperation with an employer within the community and surrounding towns and work at least 12 hours per week. Students will be provided with on-going workplace supervision and evaluation in conjunction with their employer/supervisor to ensure students' educational enrichment and employability. **Prerequisite: Must be enrolled in course # 2651**

BUSINESS MANAGEMENT (CP) GRADE 9-12 .5 credit

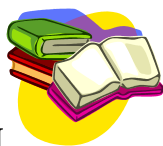
Course #2645

This course is designed to serve all students whose plans are to major in a field related to business and/or to pursue a business-oriented career. Students will receive an introduction to management concepts, theory, and practice. They will gain an understanding of the goals, strategies, structure, technologies, environment, and overall management of business organizations, as well as the motivation and interests of the people involved. Areas of study include: Management Today, The Management Environment, Foundation Skills, and the Five Management Tasks.

ENTREPRENEURSHIP (CP) GRADE 11-12 1 credit

Course #2660

In conjunction with the technical educational department, this course shall be designed to introduce the student to the organization, design, marketing, production, transportation, and communication systems used to operate an entrepreneurial business endeavor, in this case our school store, Big Red Productions. Teachers in the unified arts area shall guide a diverse group of students into an experience that would last for a lifetime. The company/students of Big Red Productions will choose a product, research it, market it and produce it within one school year. **Prerequisite: *Instructor's permission and at least one of the following: Accounting, Personal Finance, Business Management***



ENGLISH

English I Course Description

Dedicated to creating effective and adaptable readers and writers, English I provides rigorous training in the foundations of English Language Arts skills and strategies. Using the core foundation, the course expands on and applies traditional concepts to modern, 21st-century demands. Offering practical lessons in techniques such as visualizing, making inferences and predictions and recognizing, organizational patterns in online and offline texts, this course delivers hands-on training in applying the writing process, evaluating essays, and using MLA

style and documentation. Over the course of two semesters, interactive grammar lessons will strengthen students' grasp of language and improve writing skills (from Edgenuity.com)

ENGLISH I (H)

GRADE 9

1 credit

Course #3111

English I (H) is a beginning program for carefully selected students of exceptional ability and motivation. The program consists of a sequential grammar, writing, and literature curriculum aimed at developing specific skills over a four year period, the expectation being a level of competence acceptable by standards of the best universities.

ENGLISH I (CP)

GRADE 9

1 credit

Course #3112

This is a traditional program for students of average to high ability who are college bound or who intend to enroll in other post graduate programs. The program includes a complete review of fundamentals of grammar and writing. As well, students will be introduced to the notions of reading for enjoyment and oral discussion.

ENGLISH I (A)

GRADE 9

1 credit

Course #3113

This level of ENGLISH I is open to all students who will benefit from extra support in reading and writing skills. This curriculum parallels that of the college prep program, but utilizes a more developmentally appropriate pace and more individualized attention.

English II Course Description

Focused on application, this sophomore English course reinforces literary analysis and 21st-century skills with superb pieces of literature and literary nonfiction, application e-resources, and educational interactives. Each thematic unit focuses on specific literary analysis skills and allows students to apply them to a range of genres and text structures. As these units meld modeling and application, they also expand on training in media literacy, 21st-century career skills, and the essentials of grammar and vocabulary. Under the guidance of the eWriting software, students will also compose descriptive, persuasive, expository, literary analyses, research, narrative, and compare-contrast essays. (from Edgenuity.com)

ENGLISH II (H)

GRADE 10

1 credit

Course #3121

This course will focus on the advancement of critical writing skills through literary interpretation and comprehension. Competence in lengthier writing assignments, independent reading and increased difficulty are a part of this course.

ENGLISH II (CP)

GRADE 10

1 credit

Course #3122

This is a course for the average to high ability student with further practice in correct grammar usage and its application to actual student writing. Students are expected to begin developing an understanding and appreciation for the various types of literature that exist.

ENGLISH II (A)

GRADE 10

1 credit

Course #3123

This level of ENGLISH II is open to all students who will benefit from extra support in reading and writing skills. This curriculum parallels that of the college prep program, but utilizes a more developmentally appropriate pace and more individualized attention.

English III Course Description

This junior-year English course invites students to delve into American literature from early American Indian voices through contemporary works. Students will engage in literary analysis and inferential evaluation of great texts, the centerpieces of this course. While critically reading fiction, poetry, drama, and expository nonfiction, students will master the comprehension and literary analysis strategies that the Common Core State Standards require. Interwoven in the lessons across two semesters are tasks that encourage students to strengthen their oral language skills and produce creative, coherent writing. Students will read a range of short but complex texts. (from Edgenuity.com)

ENGLISH III (H)

GRADE 11

1 credit

Course #3131

This course offers an intensive approach to literature interpretation and textual analysis. Students will be expected to develop a critical understanding for required texts and also formulate appropriate interpretations from literary devices used in the text. Writing assignments will be assigned frequently and completion of independent reading is mandatory.

ENGLISH III (CP)

GRADE 11

1 credit

Course #3132

This course emphasizes advanced writing skills and projects for the average-to-high ability academic student. Completed assignments will be evaluated for textual understanding and writing competency. Students will be expected to interpret literature and express their views through written responses.

ENGLISH III (A)

GRADE 11

1 credit

Course #3133

This level is open to all students who will benefit from extra support in reading and writing skills. This curriculum parallels that of the college prep program, but utilizes a more developmentally appropriate pace and more individualized attention.

English IV Course Description

This senior-level English course offers fascinating insight into British literary traditions spanning from Anglo-Saxon writing to the Modern Period. With interactive introductions and historical contexts, this full-year course connects philosophical, political, religious, ethical, and social influences of each time period to the works of many notable authors. (from Edgenuity.com)

ENGLISH IV (H)

GRADE 12

1 credit

Course #3141

This is a reading and writing intensive course that will prepare students for the challenges on the collegiate level. The assignments and expectations will focus heavily on the analytical approach to understanding. Frequent writing assignments are required, along with the completion of independent reading assignments. Assignments are expected to be completed at a high level of competency and expected to consist of independent thoughts and views.

ENGLISH IV (CP)

GRADE 12

.5/.5 credit

Students will select from two of the following semester elective courses (eligible courses marked with an asterisk*) - one fall course and one spring course - to meet the requirement for one credit in English IV.

English Electives

***CREATIVE WRITING (CP)**

GRADE 11-12

.5 credit

Course # 3146

This writing intensive course offers instruction in several different writing forms such as short stories, poems, and plays. Work completed in this class will be shared with the group in a supportive classroom atmosphere.

***FAIRYTALES AND FOLKLORE (A)**

GRADE 11-12

.5 credit

Course # 3149

This course starts with an overview of the major fairy tale collections – The Brothers Grimm and Jean de la Fontaine. It will also look at regional variations of canonical tales such as Cinderella and Sleeping Beauty. Lastly the majority of the course will examine fairy tales as the basis for literature, focusing on short stories by A.S. Byatt, Margaret Atwood, Angela Carter, Bruno Bettelheim, and the poetry of Anne Sexton.

***YOUNG ADULT LITERATURE (CP)**

GRADE 12

.5 credit

Course # 3154

Students will focus their attention on 20th century works that deal with the daily “routine” of being a young adult. The class will examine the representation of young adults within society and the way they are perceived by the general public. This class will be reading and writing intensive.

***MYSTERY AND SUSPENSE (CP)**

GRADE 12

.5 credit

Course # 3157

This semester course develops English skills through the genre of mystery. Students read, study, and write about mysteries by authors from Sir Arthur Conan Doyle to Agatha Christie. Novels, short stories, poems, and plays are included in this course. In addition, students will have an opportunity to write their own mystery stories. They will be expected to relate these works to those discussed in class.

***SPORTS LITERATURE (CP)**

GRADE 12

.5 credit

Course # 3156

This course will examine the infusion of sports into modern literature. We will study how two of the most influential areas of American culture merge to create one entity. Our exploration will include biographies of influential figures such as Jackie Robinson, as well as short stories, poems and novels that convey the ideals and values that exist within our society. This is a reading intensive class and requires the student to complete a number of writing assignments throughout the semester.

***THE ART OF FILM (CP)**

GRADE 11-12

.5 credit

Course #6705

This course uses the invaluable tool of film to help students interpret and evaluate the theme, imagery, symbolism, and techniques of each film. This course examines films as works of literature by exploring the various cinematic genres. Films are carefully chosen to extend students personal experience and to provide vicarious experiences about which they may think and learn. This class is writing intensive.

SAT PREP - ENGLISH (CP)

GRADE 11-12

.5 credit

Course #3152

This course is offered for training in all aspects of taking the SATs. Students practice test taking, analysis of test questions and answers, development of mental strategies involved in test taking, and vocabulary building. Practice achievement tests will also be available. *****Does not count towards graduation requirements.**

PRACTICAL ENGLISH I/II (G)

1 credit

Course # 8001

Students will receive specialized instruction in reading, vocabulary development, and written expression. The students will utilize taught learning strategies and develop reading, writing and speaking skills to assist them in becoming independent and active learners. Students are taught within a small group setting.

Prerequisite: Planning and Placement Team referral, 504 referral or Child Study Team referral.

PRACTICAL ENGLISH III/IV (G)

1 credit

Course #8003

This course is designed to enhance functional and interpretive reading skills. Emphasis is on reading skills instruction and utilizing literacy to develop student independent learning. Written expression skills will be stressed throughout the course. **Prerequisite: Planning and Placement Team referral, 504 referral or Child Study Team referral.**



HUMANITIES

AMERICAN LITERATURE/HISTORY

1 credit

Course #01055

American Literature/History courses integrate the study of American literature with an overview of U.S. history. These courses may also include other aspects of American culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in U.S. History Overview and American Literature.

HUMANITIES

2 credits

Course #04302

Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture, and music.



ESL

BEGINNING ESL (A)

GRADE 9-12

1 credit

Course #3100

English as a Second Language for Newcomers and Beginner ESL Students

This course is a beginning course for non-native speakers of English with emphasis on second language acquisition in the areas of basic reading, introduction to writing, listening, and speaking. The course has been designed for the English as a Second Language newcomer and beginner student. The class will assist students

in the development of essential language skills, appropriate learning strategies, and cross-cultural awareness and sensitivities considered necessary to acquire their high school diploma.

INTERMEDIATE ESL (A)

GRADE 9-12

1 credit

Course #3105

English as a Second Language for Intermediate ESL Students

This course is an intermediate level course for non-native speakers of English with an emphasis on reading comprehension, fluency, listening and writing. Writing includes sentence construction and paragraph development with an emphasis on sentence grammar accuracy, and reading comprehension skills. This class will assist students in the development of essential language skills, and appropriate learning strategies and will reinforce basic skills in interpersonal communication, speaking and appreciating the American culture while striving to ensure successful acquisition of their high school diploma



WORLD LANGUAGE

SPANISH

SPANISH I (CP)

1 credit

Course #4315

This is a beginning course for those who have never studied the language. This course stresses four skills: listening, speaking, reading, and writing with the goal of striving towards proficiency in communication.

SPANISH II (CP)

1 credit

Course #4325

This course is a continuation of Spanish I. The same skills are stressed with the goal of improving proficiency in communication. This course is conducted in Spanish according to the ability of the students.

SPANISH III (CP)

1 credit

Course # 4336

This course is a continuation of Spanish II. The same skills are stressed with the goal of improving proficiency in communication. This course is conducted in Spanish according to the ability of the students.

SPANISH III (H)

1 credit

Course #4335

This course promotes advanced development of the four skills and advanced grammar. Students will read short stories on the culture of Spain and/or Latin America. Students also prepare original compositions and informal talks in Spanish.

SPANISH IV (H)

1 credit

Course #4345

This course offers advanced reading, writing, listening, and speaking experiences for students who wish to develop and maintain a level of proficiency in the Spanish language. This course is conducted exclusively in Spanish and includes units on Hispanic culture.

SPANISH (AP)**1 credit**

Course #4348

This course is designed for students who have demonstrated high ability and interest in Spanish. In addition to stressing oral proficiency and writing through Spanish literature and contemporary issues, the course includes a thorough review of grammar and vocabulary.

**ITALIAN****ITALIAN I (CP)****1 credit**

Course #4551

This introductory course stresses the four skills of listening, speaking, reading and writing. Verb tenses include the present with an introduction to the past tense with the goal of personal expression. The students will be able to read simple passages and communicate regarding simple topics pertaining to life.

ITALIAN II (CP)**1 credit**

Course #4552

Students continue their study of Italian grammar and further develop their oral skills, comprehension, and vocabulary. The emphasis is on speaking, but students will write some short compositions and give one oral presentation in Italian. The course is conducted in Italian according to the ability of the students.

ITALIAN III (H)**1 credit**

Course #4553

Italian III continues the student's development of listening and speaking skills and reviews more difficult aspects of the Italian language. Longer and more challenging narratives are employed to increase the use of grammar and to enhance vocabulary skills. Greater weight is placed on oral proficiency and pronunciation. Additional material on Italian culture, geography, and history is introduced into the curriculum.

ITALIAN IV (H)**1 credit**

Course #4554

Italian IV refines the study of the Italian language and culture. This course emphasizes the spoken language, with use of all of the major tenses. Practice in composition with intensive grammar and syntax review is included, as well as idiomatic use of Italian as it applies to the written and spoken language.

UCONN – ILCS 3239: Italian Comp/Conversation I**1 Credit/3 UCONN ECE**

Course #4555

This course is designed to develop a student's fluency and spontaneous expression in the language through a combination of oral and written exercises. Class activities and discussions will be geared toward effective communication and the reinforcement of grammatical and lexical skills. Students will be assigned short compositions and oral presentations on a great variety of topics of general interest.

Prerequisite: 4 years of Italian**UCONN – ILCS 3240: Italian Comp/Conversation II****1 Credit/3 UCONN ECE**

Course #4556

This course is a continuation of ILCS 3239. Further development of oral and written skills to achieve a higher degree of proficiency will be addressed. Students will be assigned longer compositions. This course will offer intensive training in oral expression in order to develop abilities in everyday spoken communication with a strong emphasis given to vocabulary and oral proficiency.

Prerequisite: ILCS 3239: Italian Comp/Conversation I



PRE-ALGEBRA (A)

GRADE 9

1 credit

Course #8406

This full-year course is designed for students who have completed a middle school mathematics sequence but are not yet Algebra-ready. This course reviews key algebra readiness skills from the middle grades and introduces basic Algebra I work with appropriate support. Students revisit concepts in number and operations, expressions and equations, ratio and proportion, and basic functions. By the end of the course, students are ready to begin a more formal high school Algebra I study. (from Edgenuity.com)

Algebra I Course Description

This course begins with a brief review of what students should already know about linear equations, with a focus on analyzing and explaining the process of solving equations. Students develop a strong foundation in working with linear equations in all forms, extending solution techniques to simple equations with exponents. Students explore functions, including notation, domain and range, multiple representations, and modeling. Through the comparison of linear and exponential functions, students contrast the concepts of additive and multiplicative change. Students then apply what they have learned to linear models of data, analyzing scatterplots and using lines of best fit to apply regression techniques. The course closes with an exploration of rational exponents, quadratic and exponential expressions, and an introduction to non-linear functions, with a heavy emphasis on quadratics. (from Edgenuity.com)

ALGEBRA I (H)

GRADE 9

1 credit

Course #8410

This honors level course is designed for the advanced math student. This course covers such topics as functions, graphs, solving equations and inequalities, exponents, factoring, solving systems of equations, radical expressions and rational expressions. This course will prepare students for higher level math and science courses. **Prerequisite: Recommendation of 8th Grade teacher and review of SBAC scores in Math**

ALGEBRA I (CP)

GRADE 9

1 credit

Course #8411

This course is designed for math students who have mastered the fundamentals of mathematics and problem solving. This course includes: solving equations, graphing linear equations and inequalities and systems, applying statistics, exploring polynomials, factoring, applying proportional reasoning, exponents, roots and radical expressions and equations. CAPT preparation is woven into the curriculum. This course will prepare students for higher level math and science courses. **Prerequisite: 85 or better in Grade 8 mathematics**

ALGEBRA I (A)

GRADE 9

1 credit

Course #8412

This course covers algebraic reasoning, and problem solving skills that will enable students to see the connections between algebra and the real world. Arithmetic concepts are reinforced. Topics include literal numbers, signed numbers, fundamental operations, methods of forming and solving linear equations, quadratic products and factoring, fractions, and fractional equations, equations in two unknowns, roots, and powers; quadratic equations in one variable, graphic representation and problem solving are emphasized throughout.

The pace of instruction is meant to give the student more time to explore and understand the algebraic concepts under study.

GEOMETRY (H)

GRADE 9-10

1 credit

Course #8421

This honors level course is designed for the advanced math student. It differs from College Prep Geometry in its approach, content, and level of difficulty. Proofs are a major part of the course combined with extensive coverage of such topics as circles, right triangles, triangle inequalities, measurement, points of concurrence, polygons, similarity, and an introduction to trigonometry. Solid topics are discussed throughout the course. Algebraic concepts are reinforced. **Prerequisite: Algebra I**

GEOMETRY (CP)

GRADE 9-10

1 credit

Course #8422

This course addresses the essentials of plane geometry: proofs, rectilinear figures, the circle, similar polygons, areas and volumes of polygons, regular polygons, and introduction to trigonometry. Solid topics are discussed throughout the course. Algebraic concepts are reinforced. **Prerequisite: Algebra I**

GEOMETRY (A)

GRADE 9-10

1 credit

Course #8423

This course is designed to present all of the geometric concepts of a formal geometry course in an investigative and application-oriented format. Concepts of this course include congruence, similarity, and parallel and perpendicular lines. Specific topics which will be studied are measures, points, lines, planes, triangles, quadrilaterals (and other polygons), circles, areas, and volumes. Algebraic concepts are reinforced.

Prerequisite: Algebra I

Algebra II Course Description

This course focuses on the four critical areas of the Common Core model pathway for Algebra II: functions, polynomials, periodic phenomena, and collecting and analyzing data. The course begins with a review of linear and quadratic functions, to solidify a foundation for learning these new functions. Students will make connections between verbal, numeric, algebraic, and graphical representations of functions and apply this knowledge as they create equations and inequalities that can be used to model and solve mathematical and real-world problems. As students refine and expand their algebraic skills, they will draw analogies between the operations and field properties of real numbers and those of complex numbers and algebraic expressions. The Common Core practice standards are embedded throughout the course, as students solve novel problems, reason abstractly, and think critically. (from Edgenuity.com)

ALGEBRA II (H)

GRADE 10-11

1 credit

Course #8431

Algebra II Honors explores the following topics in depth: fundamental operations, factoring, fractions, linear equations with one unknown, linear systems, determinants, square roots, exponents, radicals, functions and graphs, quadratic equations, higher order inequalities, systems solvable by quadratics, the binomial theorem, logarithms, conic sections, introduction to trigonometry, and complex numbers. Graphic representation and problem solving are emphasized throughout. **Prerequisite: Algebra I and Geometry**

ALGEBRA II (CP)

GRADE 10-11

1 credit

Course #8432

This is a traditional college preparatory second year algebra course designed to prepare students for the SAT and higher level mathematics courses including Pre-Calculus, Statistics, and/or Trigonometry. Topics include: solving and graphing linear and quadratic equations and inequalities, identifying and graphing conic sections, working with exponents and solving exponential equations, applying concepts of the Real and Complex number systems, Trigonometry, and making real world connections and applications using these tools. Graphic representation and problem solving are emphasized throughout. **Prerequisite: Algebra I and Geometry**

ALGEBRA II (A)

GRADE 10-11

1 credit

Course #8433

This course is a continuation of Algebra I and covers algebraic reasoning, and problem solving skills that will enable students to see the connections between algebra and the real world. Arithmetic concepts are reinforced. Topics include literal numbers, signed numbers, fundamental operations, methods of forming and solving linear equations, quadratic products and factoring, fractions, and fractional equations, equations in two unknowns, roots, and powers; quadratic equations in one variable, graphic representation and problem solving are emphasized throughout. The pace of instruction is meant to give the student more time to explore and understand the algebraic concepts under study. **Prerequisite: Algebra I and Geometry**

TRIGONOMETRY (CP)

GRADE 11-12

.5 credit

Course #8440

Topics are extensive study of special products, factoring, exponents and powers, polynomial functions, problem solving, trigonometric functions, use of tables, and sequences and permutations. Emphasis is on application and thought processes. This course is recommended for students planning a technical career.

Prerequisite: Algebra II

STATISTICS (CP)

GRADE 11 – 12

.5 credit

Course # 8443

Students explore data, work with normal distribution, examine relationships and simulate experiments. Probability models, random variables and distributions are studied along with tests of significance.

Prerequisite: Algebra II

SAT PREP/COLLEGE LEVEL MATH (CP)

GRADE 11-12

.5 credit

Course #8456

This course is offered for training in all aspects of taking the SATs and college placement exams (such as Accuplacer). Students will practice test taking strategies, analyze test questions and answers, and review all concepts pertaining to the SAT math test and college placement exam. Practice SAT and placement tests will be given and discussed. Concepts include basic math, Algebra I, Geometry, and Algebra II. **Prerequisite: Algebra I and Geometry, can be concurrently taking Algebra II.**

PRE-CALCULUS (H)

GRADE 11

1 credit

Course #8441

Contents include definitions and algebra of functions, polynomials, exponents, logarithmic functions, trigonometric functions including polar coordinates and complex numbers, inductive proofs, arithmetic and geometric progressions and series. Graphic representation and application problems are included.

Prerequisite: Algebra II

PRE-CALCULUS (CP)

GRADE 11

1 credit

Course # 8442

This course is offered for students who wish to take a higher level math course, but do not plan on taking Calculus. This course covers such topics as functions, polynomials, exponents, logarithmic functions, trigonometric functions, complex numbers, arithmetic and geometric progression and series.

Prerequisite: Algebra II

CALCULUS (H)

GRADE 12

1 credit

Course # 8450

This is an introductory course in differential and integral calculus with strong emphasis on applications to the field of business, social science and life science. Topics covered include functions, limits, rates of change, differentiation, maxima and minima problems, integration techniques, and applications. There is extensive use of the graphic calculator in this course. **Prerequisite: Pre-Calculus.**

CALCULUS (AP)

GRADE 12

1 credit

Course #8451

This topics of this full year course includes: limits, derivatives as limits, derivatives of algebraic functions, continuity applications of the derivative of algebraic functions, differentiation of non algebraic functions, development of the integral by upper and lower Remain sums, integration rules for algebraic functions, area under a curve, the first and second fundamental theorems of Calculus, applications of the definite integral, and methods of the integration and infinite series. **The College Board Advanced Placement test is mandatory. Prerequisite: Pre-Calculus.**

PRACTICAL MATH I/II (G)

1 credit

Course #8002

Students will receive specialized instruction emphasizing a varied curriculum in skill development and application of basic mathematical concepts that include foundations of algebra and introduction to geometry. Students are taught within a small group setting.

Prerequisite: Planning and Placement Team referral, 504 referral or Child Study Team referral.

PRACTICAL MATH III/IV (G)

1 credit

Course #8403

This course will include functional math and transitional math skills to foster the independence of the student. These skills include mathematical reasoning, problem-solving, mathematical concepts and activities of daily living. **Prerequisite: Planning and Placement Team referral, 504 referral or Child Study Team referral.**

INTEGRATED MATH —multi-year equivalent GRADE 12

1 credit

Course #02061

Integrated Math courses emphasize the teaching of mathematics as problem solving, communication, and reasoning, and emphasize the connections among mathematical topics and between mathematics and other disciplines. The multi-period sequence of Integrated Math replaces the traditional Algebra I, Geometry, Algebra II sequence of courses, and usually covers the following topics during a three- or four-year sequence: algebra, functions, geometry from both a synthetic and an algebraic perspective, trigonometry, statistics and probability, discrete mathematics, the conceptual underpinnings of calculus, and mathematical structure.

GENERAL MATH

GRADE 12

1 credit

Course #02002

General Math courses reinforce and expand students' foundational math skills, such as arithmetic operations using rational numbers; area, perimeter, and volume of geometric figures, congruence and similarity, angle relationships, the Pythagorean theorem, the rectangular coordinate system, sets and logic, ratio and proportion, estimation, formulas, solving and graphing simple equations and inequalities.

**BAND (CP)****GRADE 9-12****1 credit**

Course #1816

Band offers students the opportunity to study instrumental music in a group setting. There are several required performances throughout the year. Students learn proper instrumental techniques, harmony and theory, and performance practices. As this is a performance based course, after school commitment is required. This course is open to all students; no prior experience is required.

CONCERT CHOIR (CP)**GRADE 9-12****1 credit**

Course #1814

Concert choir offers students the opportunity to study vocal music in a group setting. There are several required performances throughout the school year. Students learn proper vocal techniques, harmony and theory, and performance practices. As this is a performance based course, after school commitment is required. This course is open to all students; no prior experience is required.

CONCERT CHOIR (H)**GRADE 9-12****1 credit**

Course #1812

Students wishing to take on added challenges and responsibilities have the option to take choir at the honors level. This class meets during regular choir. Honors students must complete three additional components: they must audition for the Southern Connecticut Regional Music Festival; they must prepare a 20-minute recital of solo and small ensemble works to be performed in June; and they must take private lessons during the school year. **Course available only with instructor's permission**

**PHYSICAL EDUCATION/HEALTH****PHYSICAL EDUCATION****GRADE 9****.5 credit**

Course # 5911

PHYSICAL EDUCATION**GRADE 10****.5 credit**

Course # 5921

These are required courses of study for graduation. The physical education program focuses on activities and instruction that promote beneficial physical fitness habits, group interaction and team-building skills through a sequential program of sport, leisure and recreational activities. Students are instructed in the necessary skills in order to participate in a variety of physically related experiences, which are socially sound, physically wholesome and provide lifetime benefits. Activities offered are touch football, badminton, track and field, softball, fitness, pickle ball, volleyball, indoor and outdoor soccer, floor hockey, team handball, basketball and aerobics.

HEALTH**GRADE 9****.5 credit**

Course # 5912

This is a required course of study for graduation. This course is intended to build upon and expand student knowledge of physical, emotional and mental health issues. Topics such as family life, nutrition, substance abuse, consumer education, sexually transmitted diseases and AIDS are studied. The curriculum addresses knowledge, attitude and skill development and provides opportunities for students to practice skills that promote lifelong health and well-being.



GENERAL SCIENCE (A)

GRADE 9

1 credit

Course #9513

This course follows the Connecticut State Frameworks for Grade 9 students. Student will explore topics of Energy, Properties & States of Matter, Atomic Structure, The Periodic Table, Chemical Bonding & Reactions, Carbon Compounds and their role in society, Solutions, Acids, & Bases in our environment, and Electricity & Magnetism through data collection, analysis and interpretation of data, and communication of scientific ideas

GENERAL SCIENCE (CP)

GRADE 9

1 credit

Course #9512

This course follows the Connecticut State Frameworks for Grade 9 students. Student will explore topics of Energy, Properties & States of Matter, Atomic Structure, The Periodic Table, Chemical Bonding & Reactions, Carbon Compounds and their role in society, Solutions, Acids, & Bases in our environment, and Electricity & Magnetism through data collection, analysis and interpretation of data, and communication of scientific ideas

GENERAL SCIENCE (H)

GRADE 9

1 credit

Course #9510

This course follows the Connecticut State Frameworks for Grade 9 students. Student will explore topics of Energy, Properties & States of Matter, Atomic Structure, The Periodic Table, Chemical Bonding & Reactions, Carbon Compounds and their role in society, Solutions, Acids, & Bases in our environment, and Electricity & Magnetism through data collection, analysis and interpretation of data, and communication of scientific ideas.

BIOLOGY/LAB (A)

GRADE 10

1 credit

Course #9523

This introductory course of Biology is a yearlong survey of such topics as cellular biology, biochemistry, taxonomy, evolution, botany, as well as traditional and applied genetics. Student centered activities are included to support the study of these areas. CAPT preparation is incorporated into the design of this course

BIOLOGY/LAB (CP)

GRADE 10

1 credit

Course #9522

This introductory course of Biology is a yearlong survey of such topics as cellular biology, biochemistry, taxonomy, evolution, botany, as well as traditional and applied genetics. Student centered activities are included to support the study of these areas. CAPT preparation is incorporated into the design of this course.

BIOLOGY/LAB (H)

GRADE 10

1 credit

Course #9521

This introductory course of Biology is a yearlong survey of such topics as cellular biology, biochemistry, taxonomy, evolution, botany, as well as traditional and applied genetics. Student centered activities are included to support the study of these areas. CAPT preparation is incorporated into the design of this course.

ANATOMY AND PHYSIOLOGY/LAB (CP)

GRADE 10-12

1 credit

Course #9525

This course covers the structure and function of the human body. The overall content of the course is a detailed study of the major systems of the human body. Appropriate laboratory work is provided. **Prerequisites: CP Biology & CP Chemistry**

ANATOMY AND PHYSIOLOGY/LAB (H)

GRADE 10-12

1 credit

Course #9524

This course covers the structure and function of the human body. The overall content of the course is a detailed study of the major systems of the human body. Appropriate laboratory work is provided. The course is especially recommended for students interested in nursing, health, or medical careers. **Prerequisites: Honors Biology & Honors Chemistry**

PHYSICS/LAB (CP)

GRADE 11-12

1 credit

Course #9542

This course is recommended for the college-bound student planning a career in a non-technical field. Course content is similar to that listed in the honors program. **Prerequisites: Algebra II, Geometry, CP Chemistry & CP Biology**

PHYSICS/LAB (H)

GRADE 11-12

1 credit

Course #9541

This course is recommended for students planning careers in Mathematics, Science, Engineering, or Technology. Contents include a study of mechanics of speed; laws of motion; friction; vector analysis; temperature and thermometry; sound; electricity and electronics; light; magnetism; and nuclear energy. It is accompanied by related laboratory work. **Prerequisites: Algebra II, Geometry, Honors Biology & Honors Chemistry**

CONSUMER CHEMISTRY (A)

GRADE 11-12

.5 Credit

Course #9530

This half-year, non-lab course will present students with an active, hands-on experience as to the practical application of chemistry in our daily lives. Students will conduct weekly experiments and demonstrations that will help them better understand the chemical properties in everyday items.

CHEMISTRY/LAB (CP)

GRADE 10-12

1 credit

Course #9532

This course is recommended for the college-bound student planning a career in a non-technical field. Course content is similar to that listed in the honors section of this course. **Prerequisites: Algebra II & Biology**

CHEMISTRY/LAB (H)

GRADE 10-12

1 credit

Course #9531

This course deals with the structure and composition of substances and their changes in composition. Topics covered include: atomic structure, chemical bonding, periodic classification, physical states of matter, chemical reactions, and properties of common elements and compounds. These topics are accompanied by appropriate laboratory work. **Prerequisites: Algebra II & Honors Biology**

ENVIRONMENTAL SCIENCE (CP)

GRADE 11-12

.5 credit

Course # 9611

The course will examine topics such as Ecology, population, water, air and land use, mineral and energy resources, health and our future. Students will participate in projects, lab activities and research to further their understanding about the many complex issues facing our environment. As their knowledge and skills in environmental science grow, so will their ability to draw their own conclusions. **Prerequisite: Biology**

FORENSICS (CP)

GRADE 11-12

.5 credit

Course # 9533

The course focuses on the collection, identification and analysis of crime scene evidence. Emphasis will be placed on the methods that link suspects, victims and crime scenes. Laboratory activities include finger printing, handwriting analysis, ballistics, blood typing, hair and fiber examination and DNA analysis. Case studies and current events will be studied. **Prerequisites: Biology**

ASTRONOMY

GRADE 11-12

.5 credit

Course #03004

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

METEOROLOGY

GRADE 11-12

.5 credit

Course #03006

Meteorology courses examine the properties of the earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes and weather forecasting.

CONCEPTUAL BIOLOGY

GRADE 11-12

.5 credit

Course #03062

These courses provide students with a basic understanding of living things. Topics covered may include ecology and environmental problems such as overpopulation and pollution as well as cells, types of organisms, evolutionary behavior, and inheritance.

INTEGRATED SCIENCE

GRADE 11-12

1 credit

Course #03201

The specific content of Integrated Science courses varies, but they draw upon the principles of several scientific specialties—earth science, physical science, biology, chemistry, and physics—and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change, and constancy. These courses use appropriate aspects from each specialty to investigate applications of the theme.



SOCIAL STUDIES

World History Course Description

This year-long course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives. Throughout the course, students use a variety of primary and secondary sources, including legal documents, essays, historical writings, and political cartoons to evaluate the reliability of historical evidence and to draw conclusions about historical events. (from Edgenuity.com)

WORLD HISTORY (A)

GRADE 9

1 credit

Course #0220

This year-long course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history.

WORLD HISTORY (CP)

GRADE 9

1 credit

Course #0222

This year-long course examines the major events and turning points of world history from ancient times to the present. Students investigate the development of classical civilizations in the Middle East, Africa, Europe, and Asia, and they explore the economic, political, and social revolutions that have transformed human history. At the end of the course, students conduct a rigorous study of modern history, allowing them to draw connections between past events and contemporary issues. The use of recurring themes, such as social history, democratic government, and the relationship between history and the arts, allows students to draw connections between the past and the present, among cultures, and among multiple perspectives.

WORLD HISTORY (H)

GRADE 9

1 credit

Course #0225

The honor's section of this course will examine the major events and turning points of world history from ancient times to the present. Students will be introduced to the concepts of higher order thinking as they investigate, compare and contrast the rise, glory, and decline of ancient civilizations. The course will also include in-depth study of outside readings and critical analysis of primary source documents

U.S. History I Course Description

U.S. History I is a year-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution, leading students through a careful examination of the defining moments that paved the way for the United States of today. Students begin by exploring the colonization of the New World and examining the foundations of colonial society. As they study the early history of the United States, students will learn critical thinking skills by examining the constitutional foundations of U.S. government. Recurring themes such as territorial expansion, the rise of industrialization, and the significance of slavery will be examined in the context of how these issues contributed to the Civil War and Reconstruction. (from Edgenuity.com)

UNITED STATES HISTORY I (A)

GRADE 10

1 credit

Course #

U.S. History I is a year-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution. Students will

investigate, analyze, and evaluate significant moments in American History. **United States History is a requirement for graduation.**

UNITED STATES HISTORY I (CP)

GRADE 10

1 credit

Course #

U.S. History I is a year-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution. Students will investigate, analyze, and evaluate significant moments in American History. Special efforts will be made to develop understandings of concepts so that students will gain insights into the cause and effect relationships of history. **United States History is a requirement for graduation.**

UNITED STATES HISTORY I (H)

GRADE 10

1 credit

Course #

U.S. History I is a year-long course that dynamically explores the people, places, and events that shaped early United States history. This course stretches from the Era of Exploration through the Industrial Revolution. In addition to the topics covered in the College Prep level, students will investigate, analyze, and evaluate significant moments in American History through outside readings and critical analysis of primary source documents. **United States History is a requirement for graduation.**

U.S. History II Course Description

U.S. History II is a year-long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. The course leads students toward a clearer understanding of the patterns, processes, and people that have shaped U.S. history. As students progress through each era of modern U.S. history, they will study the impact of dynamic leadership and economic and political change on the United States' rise to global prominence, the influence of social and political movements on societal change, and the importance of modern cultural and political developments. Recurring themes lead students to draw connections between the past and the present, between cultures, and between multiple perspectives. (from Edgenuity.com)

UNITED STATES HISTORY II (A)

GRADE 11

1 credit

Course #0228

U.S. History II is a year-long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. Students will investigate, analyze, and evaluate significant moments in American History. **United States History is a requirement for graduation.**

UNITED STATES HISTORY II (CP)

GRADE 11

1 credit

Course #0231

U.S. History II is a year-long course that examines the major events and turning points of U.S. history from the Industrial Revolution through the modern age. Students will investigate, analyze, and evaluate significant moments in American History. Special efforts will be made to develop understandings of concepts so that students will gain insights into the cause and effect relationships of history. **United States History is a requirement for graduation.**

UNITED STATES HISTORY II (H)

GRADE 11

1 credit

Course #0229

In addition to the topics covered in the College Prep level, students will investigate, analyze, and evaluate significant moments in American History through outside readings and critical analysis of primary source documents. **United States History is a requirement for graduation.**

UNITED STATES HISTORY (AP)

GRADE 11-12

1 credit

Course #0230

A.P. U.S. History is a survey course in American History that is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the major events and influences in American History. A major portion of the activities requires critical reading, writing, listening, and discussing. Students should learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. Students should develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format. *****The College Board Advanced Placement test is mandatory.**

CIVICS (A) **GRADE 11-12** **.5 credit**
Course #0243

This course addresses the fundamentals of our American Republic. The course is designed to guide students toward an understanding of our political system and to prepare students for the responsibilities of citizenship. **Civics is a requirement for graduation.**

CIVICS (CP) **GRADE 11-12** **.5 credit**
Course #0240

The focus of this course is on the fundamentals of our American Republic through detailed study of the many significant milestones in American government that shaped our laws, practices and culture. The course is designed to guide students toward an understanding of our political system and to prepare students for the responsibilities of citizenship. **Civics is a requirement for graduation.**

CIVICS (H) **GRADE 11-12** **.5 credit**
Course #0241

In addition to the topics covered in the College Prep level, students will investigate, analyze and evaluate current topics in our political system, to gain a deeper understanding of our government. **Civics is a requirement for graduation.**

US GOVERNMENT IN POLITICS (AP) **GRADE 11-12** **1 credit**
Course # 0244

This course provides an analytical perspective on government and politics in the United States. This course involves both the study of general concepts used to interpret US politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute US political reality. This course counts towards the graduation requirement for Civics. *****The College Board Advanced Placement test is mandatory.**

Social Studies Electives

PSYCHOLOGY (AP) **GRADE 11-12** **1 credit**
Course #0250

This college level course will present the different sub-areas of psychology. The material will be organized around four main questions: how do humans (and, where relevant, animals) act, how do they know, how do they interact, and how do they differ from each other? Specific material to be covered will include classical and instrumental conditioning; cognition (which includes perception, memory, and the thinking process); biological basis of social behavior; personality development (Freud, Jung, Phenomenological and Dispositional Schools); individual differences (intelligence, heredity, and environment); and abnormal psychology. *****The College Board Advanced Placement test is mandatory.**

PSYCHOLOGY (CP) **GRADE 11-12** **.5 credit**
Course #0251

This introductory course will provide a foundation for those students who are interested in the field of psychology. Throughout the year, topics to be explored include, but are not limited to, the roles of the body and brain in human behavior, the process of consciousness, the causes of mental illness, human intelligence, personality, psychological testing, the roles of sleep and dreams, developmental psychology, and nature vs. nurture.

MILITARY HISTORY (CP)

GRADE 11-12

.5 credit

Course # 0235

Content of this course includes the military leaders and battles throughout history that have affected, changed and shaped the world.

HOLOCAUST STUDIES (CP)

GRADE 11-12

.5 credit

Course # 0238

This course is a comprehensive study of the causes and events leading up to the Holocaust, as well as a study of the tragic events of this historical period.

SPECIAL EDUCATION

LIFE SKILLS/WORK OCCUPATION (G)

.5 credit

Course #8005

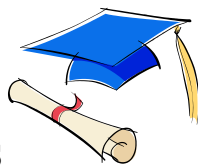
A varied curriculum devoted to the investigation of career opportunities, interests and skills necessary for transition to independent living. Self-advocacy, competitive employment, college, training and independent living will be stressed throughout the course. The course also contains a curriculum devoted to the exploration of vocational interests and strengths and to the development of vocational skills using school and community-based resources. **Prerequisite: Planning and Placement Team referral or Child Study Team referral.**

RESOURCE (G)

1 credit

Course # 5000

Students report to the Resource Room for support services in their regular program. Special attention is given to Math, English, Language Arts, and Science. This is also an individualized program. This is a pass/fail course. **Prerequisite: Planning and Placement Team referral or Child Study Team referral.**



CAREER/LEISURE STUDIES

OCCUPATIONAL EXPLORATION (CP)

GRADE 9-12

.5 credit

Course #8006

This course will focus on learning about daily living skills, social skills, and occupational skills. Students will learn about various disabilities and laws pertaining to people with disabilities. This course is designed to provide students with an excellent opportunity to acquire relevant information and skills related to careers in Social Services and Education.



EXPLORING TECHNOLOGY I (CP)

GRADE 9-12

.5 credit

Course #7723

This course is an exploration of the world of technology and how it relates to you and the world around you. It connects the middle school experience to high school and beyond by investigating the four areas of technology – construction, manufacturing, communications, and transportation. This activity-based course will provide experience in the application of technology through a problem-solving approach. Students may build models, develop communication systems, or program robots while utilizing knowledge and skills acquired in other academic areas. Future career opportunities will be explored.

TECHNOLOGY EDUCATION II (CP) **credit**

GRADE 10-12

.5

Course #7722

This course offers students an opportunity increase their understanding of energy, power, manufacturing and transportation and how they continue to enhance our everyday lives. A continued emphasis will be placed on enhancing the student's knowledge in these areas as well as an understanding of quality methods and how to budget time, materials, and money. Students will examine and appraise industrial products and processes.

Prerequisite: Exploring Technology

MATERIALS AND MANUFACTURING TECHNOLOGY I (CP)

GRADE 9-12

1 credit

Course #7710

This course provides opportunities for understanding the manufacturing process. A variety of products will be produced with raw and recycled materials that will highlight woods, metals, and plastics manufacturing. Students will develop a good "mechanical sense" that will prove valuable to the student both in vocational choice and leisure activity. Students will learn about quality, efficiency, and cost effectiveness so that they will be informed consumers. Instructional units will include the design, planning, documentation, manufacturing, and finishing processes. Project work will be the vehicle for instruction.

MATERIALS AND MANUFACTURING TECHNOLOGY II (CP)

GRADE 10-12

1 credit

Course #7711

This course offers students an opportunity to increase their understanding of manufacturing processing. Emphasis will be placed on enhancing the student's knowledge and use of machine tools to produce finished products from materials such as wood, metal, and plastics. Students will learn about quality methods, how to budget time, materials, and money. Students will examine and appraise industrial products and processes. They will learn to be responsible for their own work, for tools, equipment, and for the facility – traits necessary to successful future employment. The instructor will select an initial project activity, upon successful completion of the project, students. **Prerequisite: Materials 1**

MATERIALS AND MANUFACTURING TECHNOLOGY III (CP)

GRADE 11-12

1 credit

Course #7712

This course is offered to enable students to develop increased competencies and marketable skills. Students will develop their own project ideas, instruction will be increasingly individualized. Students will be asked to apply past and present learning to the student-selected project. Increased skill building opportunities include independent thinking, problem solving, efficient use of resources, and independent work. Emphasis will be placed on quality of workmanship and effective use of time and resources. Students will be introduced house

construction, sheds, decks and surveying construction sites. The culmination of this sequence of course work will serve as an adequate prerequisite for entry into apprentice training in this field. **Prerequisite: Materials 2**

ENGINEERING / ARCHITECTURAL DRAFTING I

GRADE 10-12

1 credit

Course #7740

This introductory course will begin with the theory of orthographic and isometric projections. Daily work assignments will be used to reinforce the basics of drawing of drawings. A continued emphasis placed on the development of exactness and proficiency in the performance. This course will include sectional views, machine threads and auxiliary views. The last quarter will be devoted to architectural drafting where students will make plans for a small house. This course will provide an increased development of marketable skills and in future potential job opportunities. **Prerequisite: None**

ENGINEERING / ARCHITECTURAL DRAFTING II

GRADE 11-12

1 credit

Course #7741

This course is designed to fit the needs of juniors and seniors who will plan to follow an engineering curriculum in college. This course will give the student further experience in making more advanced drawings including complex sectional views, machine threads and fasteners. Again the last half of this class shall be devoted to further the experience in architectural drawings, elevations, pictorial rendering of the house, and structural detail drawings. Basic vocational and career opportunities will be discussed.

Prerequisite: Engineering / Architectural Drafting I

ENTERPRISE PRODUCTION

GRADE 11-12

1 credit

Course #7755

This course shall be designed to introduce the student to the production (manufacturing/construction), transportation (energy), and communication systems used to organized and operate an entrepreneurial business endeavor. Teachers in the unified arts area shall guide a diverse group of students into an experience that would last for a lifetime. The company/students of the Big Red Productions will choose a product, market it, research it and produce it within one school year. **Prerequisite: : *Instructor's permission and at least one of the following - Engineering / Architectural Drafting 1, Exploring Technology, Materials and Manufacturing Technology 1***

INDEPENDENT STUDY IN TECHNOLOGY EDUCATION

GRADE 11-12

.5 credit

Course # 7751

This program provides students with an opportunity to do a study in a field of interest not readily available in the regular curriculum. A student desiring such a program should consult the Technology Education Teacher and the Guidance office.

Prerequisite: Materials 1 & 2 or a Materials & Technology courses w/Teacher permission

ONLINE COURSES



EDGENUITY

GRADE 9/12

credit varies by course

Edgenuity's research based instructional model meets the demands of the CT Common Core State Standards. Courses offer an interactive and personal learning environment with the right level of support for each student. Highly qualified, certified teachers provide direct instruction, explain concepts, model strategies, and make real world connections. Courses are organized into manageable segments so students work at a pace that is right for

****Please make an appointment in the Counseling Office to see a listing of courses and get more information.**

For the 2016-2017 school year, dual credit courses will be explored in the following areas:

8TH GRADE ACADEMIC ADVANCEMENT PROGRAM – A collaboration between Derby High School and Derby Middle School that will allow 8th grade students to earn credits at Derby High School.

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