

COURSE SELECTION GUIDE 2024 - 2025



Franklin Delano Roosevelt High School

Hyde Park Central School District

HYDE PARK CENTRAL SCHOOL DISTRICT

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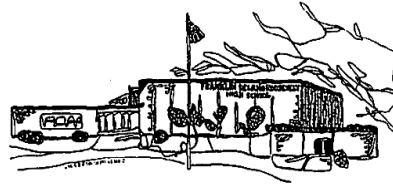
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Franklin Delano Roosevelt High School

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P.O. Box 2032
Hyde Park, New York 12538

January 2024

Greetings F.D. Roosevelt High School Community:

We are entering the exciting time of year when we begin to think about creating student schedules for the 2024-2025 school year. I encourage you to put a great deal of thought into your course selections for the upcoming year. Take time to consider what direction you would like your education to take you. There are many outstanding opportunities here at F.D. Roosevelt High School. Please be sure to take full advantage of all available courses and extra-curricular activities.

This Course Selection Guide has been carefully constructed to aid you in your decision making process. The guide contains information about our many graduation options, assessment criteria, standards, levels of courses and much more. A description of all courses offered at F.D. Roosevelt High School is included as well. I strongly recommend you read through this guide carefully as these important decisions will affect your future. I urge you to discuss your options with your parents and seek the advice of our teachers and guidance counselors.

Please make use of this opportunity to lay a foundation of success for the 2024-2025 school year!

Sincerely,

Michael Ruella, Principal
Franklin D. Roosevelt High School

GRADUATION POLICY

All students will be listed on the Commencement Program and be invited to participate in the graduation exercises in June following their completion of requirements. Diplomas will be issued at the completion of all graduation requirements (August, January, etc.), with the actual date of graduation indicated. June Commencement Exercises will include only those students who have successfully completed all graduation requirements.

GRADUATION REQUIREMENTS

Courses	Local and Regents Diploma	Advanced Regents Diploma
English	4 credits	4 credits
Social Studies	4 credits	4 credits
Mathematics	3 credits*	3 credits*
Science	3 credits	3 credits
Languages Other Than English	1 credit**	3 credits***
Health	½ credit	½ credit
Art/Music	1 credit	1 credit***
Physical Education	2 credits	2 credits
Sequence/Electives	3 ½ credits	1 ½ credits
Total Credits	22 credits	22 credits

* A programming course may be used as the 3rd unit of credit in Math.

** Can be completed at the Middle School level (LOTE: Languages Other Than English)

*** Five units in Art/Music/Business or Technology is an option in lieu of LOTE.

Regents Diploma Test Requirements	Advanced Regents Diploma Test Requirements
English Regents Social Studies Regents Math Regents Science Regents One more exam from the 4+1 Options Below	English Regents Social Studies Regents 3 -Math Regents 2 -Science Regents One more exam from the 4+1 Options Below Second Language (Level 3 second language exam)

4+1 PATHWAY OPTION

Under the new "4+1" pathway assessment option, students must take and pass four required Regents Exams or New York State Education Department-approved alternative assessments (one in each of the following subjects: English, math, science, and social studies) and a comparably rigorous assessment for the fifth required exam to graduate. **There are five areas of focus for students to choose from, each requiring one additional assessment. Each Pathway results in a different designation on a student's diploma, reflecting their area of study.**

***Humanities Pathway:** students take an additional Regents assessment, or a New York State Education Department approved alternative, in a different course in Social Studies or in English

***STEM Pathway:** students take one additional Regents Examination in a different course in mathematics or science or a New York State Education Department-approved alternative

***LOTE Pathway:** students take an additional assessment approved by the New York State Education Department Commissioner in Biliteracy or LOTE

***CTE Pathway:** Requires successful completion of a CTE program (*Pending State Approval*)

***Arts Pathway:** Students take an assessment approved by the New York State Education Department Commissioner.

Students interested in any of these options should speak with their school counselors to determine the appropriate course and assessment sequences.

REGENTS DIPLOMA

A student may receive a Regents diploma endorsement in the following ways:

Regents with Honors: 5 required Regents exams with a computed average score of **90 or better** as follows: 1 Math, 1 Science, ELA, Global History and Geography, US History and Government.

Regents with Advanced Designation: 8 required Regents exams with a score of **65 or better** as follows: 3 Math, 2 Science, ELA, Global History and Geography, US History and Government; and either a locally developed Checkpoint B LOTE examination or a 5 unit sequence in the Arts or CTE.

Regents with Advanced Designation/Mastery in Math: Meets all assessment Requirements for the Regents with Advanced Designation (see above) and, in addition, score **85 or better** on each of 3 Regents Examinations in Mathematics.

Regents with Advanced Designation/Mastery in Science: Meets all assessment requirements for the Regents with Advanced Designation (see above) and, in addition, score **85 or better** on each of 3 Regents Examinations in Science.

Regents with Advanced Designation with Honors: 8 required Regents exams with a computed average of **90 or better** as follows: 3 Math, 2 Science, ELA, Global History and Geography, US History and Government; and **either** a locally developed Checkpoint B LOTE examination with a score of **65 or** 5 unit sequence in the Arts or CTE.

Local Diploma, Regents Diploma, Regents Diploma with Advanced Designation with a Career and Technical Education Endorsement: Achieves a passing score on State assessments as listed above for specific diploma types and successfully completes the technical assessment designated for the particular approved career and technical education program which the student has completed. For the CTE endorsement, the sequence may be all Technology, all Business, or a blending of the two.

ALTERNATE GRADUATION POLICY

EARLY GRADUATION

All applications for Early Graduation must be submitted to the Guidance Office for approval by the High School Principal by May 1st of the year preceding your planned graduation. No applications will be processed after that date unless approval is given by the Principal.

Students planning Early Graduation must meet with a Counselor, fill out an application form, submit a letter of request from a parent or guardian, and secure final approval from the High School Principal before being officially scheduled. Furthermore, no application will be considered unless a student has completed at least 14 academic units of credit and 1 unit of Physical Education by the end of the 10th grade year.

To satisfy English and Social Studies requirements:

1. Juniors may take English 11 and English 12 concurrently.
2. Juniors may take an equivalent credit bearing College English or Social Studies course during the school year to meet the requirements; example, English 101 and English 102 at Dutchess Community College giving 6 hours college credit and 1 unit high school credit. Non-credit courses do not qualify.
3. Students must complete all other requirements for graduation listed above.

EARLY COLLEGE ADMISSIONS

To receive a Franklin D. Roosevelt High School diploma, a student may choose to enter college although he/she has not accumulated enough credits for graduation.

1. Students who wish to enter college early and complete college credits for diploma purposes must meet with a counselor before applying for early admissions.
2. Students applying for Early Admissions in order to begin further schooling will have the balance of the Physical Education requirement fulfilled in the college or technical school to be attended.
3. Students wishing to discuss any other type of Early Admissions program should meet with a Counselor.

STUDENTS WHO PLAN ON COLLEGE

College admissions officers consider the high school record, special examinations, and an applicant's goals, interests and special abilities when making a decision regarding the acceptance of an applicant. It is generally agreed that the best indicator of probable success is a student's high school record. Selection of appropriate courses, academic achievement, and involvement in extra and/or co-curricular activities each year is also considered important.

Selective colleges in general recommend an ambitious high school program. A student who completes a Regents Diploma selecting four years of English and Social Studies, three to four years of Math and Science and has studied a LOTE is generally prepared to meet these entrance requirements. If as a 9th, 10th, 11th, or 12th grade student you have not decided what you will do when you graduate, the only sure method of keeping a variety of options open at a later date is to pursue as broad a program with as much depth as your ability will allow. **Remember**, many college programs have specific prerequisites and it becomes the individual student's responsibility to ensure that his/her elective course of study fulfills these requirements.

As the Junior year concludes, the student should be researching the names of schools to which he or she will apply. Early in the Senior year, well before the winter recess, the student should have secured current applications and information regarding the colleges to which he or she will apply. The Guidance Department provides an orientation program on college planning in April for 11th grade students. In the fall of the Senior year all students are invited to attend a planning meeting with their counselor. Parents are encouraged to attend this meeting.

Most colleges require that candidates take one or more standardized examinations as part of the application procedure, either the Scholastic Aptitude Test (SAT) by the College Board or the American College Test (ACT). Again, it is the individual student's responsibility to determine the appropriate test and/or date. Pre-registration is required for each of these tests. Appropriate descriptive materials and registration forms are available online or in the Guidance Office.

HIGH SCHOOL EQUIVALENCY DIPLOMA

The Guidance Department has a listing of several options to obtain a High School Equivalency Diploma by taking the Test Assessing Secondary Completion (TASC) exam. A student is eligible to request an equivalency diploma from the New York State Education Department after successful completion of 24 hours of college credit regardless of high school credits. Of course, we encourage all students to complete a regular high school diploma before this option is explored.

AVID PROGRAM (ADVANCEMENT VIA INDIVIDUAL DETERMINATION)

The central goal of the AVID program (Advancement Via Individual Determination) is to prepare underrepresented students in the academic middle that have high potential for acceptance into and success in postsecondary education. An AVID student is defined as enthusiastic, ardent and vigorous in pursuit of her/his post high school goals. AVID students are expected to maintain passing grades in all their classes, model good citizenship in the classroom, and become active members of the school and broader community. Students must go through an application/interview process and be approved by the AVID site team in order to take this elective course.

AVID 6-8

In middle school, our task is to prepare our students to succeed in middle school and college preparatory high school classes. In AVID, students are given the support and instruction they need to succeed. The AVID coordinator and elective teacher, along with college tutors and a school site team, provide the necessary support for students who might otherwise not aspire to go to college. By being enrolled in rigorous classes with the tutorial support provided in the AVID elective, student grade point averages rise, increasing numbers of students enroll in honors and accelerated classes in eighth grade, and these students who are typically not involved in the school community come to share a sense of school pride and become role models among their peers. AVID motivates students and provides the skills and confidence to reach their goals.

The AVID elective is a class that meets daily within the regular school schedule. The class is composed of several different elements, making students more successful in all their classes. The week is divided into curriculum days, tutorial days, and motivational activity days. The two days devoted to curriculum focus on the WICOR methodologies of AVID: Writing, Inquiry, Collaboration, Organization and Reading. Aside from WICOR, the curricular days also develop students' note taking and study skills, while also teaching time management and goal setting. Mini-lessons provide additional support for English, math, science, and social studies classes. Students participate in twice-weekly tutorials with college students wherein tutors provide content area support in math, English, social studies and science. Motivational activity days include college and career activities, guest speakers from area colleges and local professionals, and field trips to local colleges and universities.

AVID 9

This is the first high school course of a 6th-12th-grade program that prepares students for advanced placement courses in high school and future college level coursework. This class focuses on developing writing, inquiry, collaboration, organization, and reading through the content areas as well as communication, self-advocacy, and leadership. Students will complete Cornell notes, conduct tutorials, and complete mandatory student selected community service hours.

AVID 10

This is a continuation of the AVID program from the 9th grade. This elective course continues to focus on writing, inquiry, collaboration, organization and reading. The goal is to solidify these skills and begin the process of investigating post high school opportunities. Students will complete Cornell notes, conduct tutorials, and complete mandatory student selected community service hours. Students will also prepare for PSAT's and SAT's and begin crafting their personal statement for college admissions.

AVID 11

This is the 3rd course in the high school sequence. The course continues to focus on the tenets of AVID, including writing, inquiry, collaboration, organization and reading, while transitioning attention to post secondary plans and preparation. Students will complete Cornell Notes, conduct tutorials, and complete mandatory student selected community service hours. Students will also prepare for PSAT's and SAT's and begin crafting their personal statement for college admissions.

AVID 12

The AVID Senior Seminar is the culmination of a student's years in the AVID program, and the course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement, and Socratic Seminars. Students enrolled in the Senior Seminar are required to complete timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. As with all AVID courses, the Senior Seminar features tutors, college students who lead discussions and analysis of the academic subjects in which students are enrolled. Students will apply to four-year universities, private scholarships, and the FAFSA (Free Application for Federal Student Aid). Students will complete Cornell notes, conduct tutorials, and complete mandatory student selected community service hours.

ENGLISH COURSE DESCRIPTIONS

Department	English			Grade Level	9	
Course Title	English 9				Course Code	EN05
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	Grade 8		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

English 9 will develop skills in the areas of reading comprehension, literary analysis, and effective communication. In the study of literature, the basic elements of plot, character, theme, and point of view are examined. In the area of writing, students will be expected to write multi-paragraph essays. Attention is also given to the skills of public speaking, grammar, and vocabulary development.

Department	English			Grade Level	9
Course Title	English 9 Honors			Course Code	EN09
Course Length	Full Year	Credits	One	Factor	1.04
Prerequisites	Must meet honors criteria See below		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

Successful completion of English 8 Honors course with a grade of 85% or above and teacher recommendation, OR 90% or above in English 8 and teacher recommendation is required for enrollment in this course. English 9H follows the same outline of study as English 9; however, this course is supplemented with extensive outside readings and increased emphasis on writing and research skills.

Department	English			Grade Level	10
Course Title	English 10			Course Code	EN06
Course Length	Full Year	Credits	One	Factor	1.02
Prerequisites	Grade 9 or 9H English		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

English 10 builds upon the skills developed in English 9. Students engage in analysis of literature and informational texts through close reading and annotation. Students refine their writing skills, effectively incorporating textual evidence to support a claim. Students identify a central idea and explore it using a variety of skills such as analyzing stylistic choices, engaging in rhetorical analysis, and posing and inquiring into essential questions. Learning takes place through engaging in a rigorous writing process (literary analysis, argument, and research), a variety of collaborative discussions, and group projects. Students may be expected to read independent reading selections and complete independent projects.

Department	English			Grade Level	10	
Course Title	English 10 Honors				Course Code	EN10
Course Length	Full Year	Credits	One	Factor	1.04	
Prerequisites	Must meet honors criteria See below		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Successful completion of English 9 Honors course with a grade of 85% or above and teacher recommendation, OR 90% or above in English 9 and teacher recommendation is required for enrollment in this course. English 10H follows the same outline of study as English 10; however, this course is supplemented with extensive outside readings, a refinement of writing composition skills and further development of the principles of the research paper.

Department	English			Grade Level	11	
Course Title	English 11				Course Code	EN07
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	Grade 10 or 10H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

English 11 is a study of literature and informational texts that builds upon analysis skills developed in English 9 and 10. Emphasis is placed upon continuing work in argument and persuasive writing and further enhancement of research skills. Also, attention is devoted to the continuing development of the student's skills in the areas of grammar, usage, spelling, and vocabulary. **Students will take the Common Core in English Language Arts Regents Examination, which is the comprehensive State assessment of proficiency in the Common Core English Language Arts learning standards and performance indicators acquired not only in this course, but through all prior literacy experiences.**

Department	English			Grade Level	11
Course Title	English 11 Honors			Course Code	EN11
Course Length	Full Year	Credits	One	Factor	1.04
Prerequisites	Must meet honors criteria See below. Summer assignment may be provided by teacher		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

Successful completion of English 10 Honors course with a grade of 85% or above and teacher recommendation, OR 90% or above in English 10 and teacher recommendation is required for enrollment in this course. This course is an in-depth study of literature focusing on the major authors and works of each period. This course seeks to promote a broader understanding of American culture through extensive readings and writing. As in English 11, emphasis is placed upon the continuing development of student writing, research skills and literary analysis. **Students will take the Common Core in English Language Arts Regents Examination, which is the comprehensive State assessment of proficiency in the Common Core English Language Arts learning standards and performance indicators acquired not only in this course, but through all prior literacy experiences.**

Department	English				Grade Level	11
Course Title	English 11 Honors American Studies Seminar with Advanced Placement US History				Course Code	EN12
Course Length	Full Year	Credits	One	Factor		1.04
Prerequisites	Must meet honors criteria Summer assignment may be provided by teacher		Co-requisites	Advanced Placement US History		
Meets NCAA Requirements		Yes				

Course Description:

Successful completion of English 10 Honors course with a grade of 85% or above and teacher recommendation, OR 90% or above in English 10 and teacher recommendation is required for enrollment in this course. This course is an in-depth chronological study of American Literature focusing on the major authors and works of each period. This interdisciplinary program seeks to promote a broader understanding of American culture through extensive readings, film study, and writing. The student is expected to complete an independent study and relate his/her findings through oral reports and written projects. Additionally, students will have the opportunity to meet with filmmakers and produce a documentary video. As in English 11, emphasis is placed upon the continuing development of student writing, research skills and literary analysis. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged). Students will take the Common Core in English Language Arts Regents Examination, which is the comprehensive State assessment of proficiency in the Common Core English Language Arts learning standards and performance indicators acquired not only in this course, but through all prior literacy experiences.**

SENIOR YEAR ENGLISH PROGRAM

Students who have successfully completed English 9, 10, and 11 have the opportunity to select from a variety of courses to fulfill their English 12 requirement. Some of the courses are one year (one credit) in length, while others are one semester (one-half credit) in length. All students must meet course-specific prerequisites for each course, and all courses require students to successfully complete with a passing grade the Senior Thesis Project.

Passing the Senior Thesis Project with a 65% or better is a graduation requirement, except for the BOCES CTI English students. All seniors will begin the project at the beginning of the second semester, with completion and passing expected by March 30th. Classroom teachers will provide independent support from March until June for those seniors who may require additional opportunities to achieve a 65% on the Senior Thesis Project.

Students are strongly encouraged to discuss their program, in light of anticipated post-graduation plans, with their current English teacher and their school counselor before indicating their preferences. Although every effort will be made to accommodate student preferences, due to scheduling and staffing constraints, there is no guarantee a student will be able to enroll in any particular course.

Department	English			Grade Level	12
Course Title	Advanced Placement English Literature and Composition			Course Code	EN13
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Summer assignment may be provided by teacher		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

This course is an in-depth, chronological study of British literature, focusing on the major authors and works of each period. The student is expected to do some independent study and to relate their findings through oral reports and interpretative essays. Students enrolled in this course have the option to apply for three college credits per semester through Marist College.

Department	English			Grade Level	12
Course Title	DCC English			Course Code	EN14
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Must meet DCC criteria listed below. Summer assignment may be provided by the teacher		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

DCC English has a prerequisite requirement of a minimum score of an 80% on the ELA Regents and an 80% or higher in English 11. Additionally, a summer assignment may be provided by the teacher. DCC 101 examines writing through various rhetorical modes. DCC English emphasizes the process of writing, especially the stages of pre-writing, drafting, and revising, that contribute to the development of reflective and insightful exposition. Students will be expected to write a minimum of twenty-four pages throughout each semester, in a combination of formal essays and journals reflecting on their writing and thinking processes. Readings in the course, drawn from college-level resources, will be used as models of effective writing. Students who do not earn a 70 or higher in the first semester cannot move on to 102, which consists of literary analysis and criticism. Students who do not earn a 60 in 101 will be required to take two English electives in the Spring Semester. This program allows students to simultaneously complete NYS requirements for high school seniors and earn Dutchess Community College credit (Eng 101/102). **Students who successfully complete the class will earn six college credits from Dutchess Community College.**

Department	English			Grade Level	12	
Course Title	Business Communications				Course Code	EN16
Course Length	One Semester	Credits	1/2	Factor	1.02	
Prerequisites	Senior status		Co-requisites	none		
Meets NCAA Requirements		No				

Course Description:

This course provides students with the skills and strategies necessary to communicate successfully in the corporate world. Students will read business-related literature, journals, and/or articles, as well as the texts *The World is Flat*. Additionally, students write daily, speak formally during class presentations at least once per quarter, and submit and present a final project demonstrating research and application of ideas presented in the thematic units of study. Developed primarily for students who are interested in becoming entrepreneurs or college business majors, this course offers a variety of communication activities that teach students to effectively communicate on the job. *** Students who are considering Division I scholarship opportunities after graduation may not use this course for English credit. This course may be used to meet one half English credit or one half credit towards a Business sequence.**

Department	English			Grade Level	12	
Course Title	English 12 FL: Future Literature				Course Code	EN20
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Students will begin this semester-long course by learning about the concept of speculative fiction. Then, for the remainder of the First Marking Period, they will compare and contrast literary elements in thematically-linked short works of speculative fiction with films, articles, and excerpts from literature. They will conduct Socratic Seminars in which they share their critical thinking and reflect upon their classmates' contributions. During the Second Marking Period, students will read and analyze novel-length speculative fiction like Ray Bradbury's *Fahrenheit-451* or George Orwell's *1984* for symbolism, character development, conflict, and allusions. Students will finish the course by creating an independent science fiction project that elaborates upon the themes and conflicts discussed in the course.

Department	English			Grade Level	12	
Course Title	English 12 LH: Literary Heroism				Course Code	EN21
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Students will spend this semester-long course selecting their individual texts of study and examining them through the lens of Joseph Campbell's concept of the monomyth. Students will engage in Socratic Seminar discussions, collaborative study groups, and group presentations on topics like "The Call to Adventure," "The Underground Journey," "Aid From the Supernatural" and "The Concept of Evil." Possible text choices include, but are not limited to, *The Lord of the Rings*, *The Hunger Games* trilogy, books from the Star Wars extended universe, and texts from the Percy Jackson adventures. The course will culminate with each student creating their own informative website describing the hero's journey as evidenced in their independent reading books as well as the adventures shared from their classmates' texts.

Department	English			Grade Level	12	
Course Title	English 12 ML: Media Literacy				Course Code	EN22
Course Length	One Semester	Credits	1/2	Factor	1.02	
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

In this class, students will develop an understanding of the historical, social, and psychological impact of mass media and will learn to make informed decisions based on this knowledge. Students will examine the techniques corporations and artists use to shape public opinion and behavior. Technological advances in creating media, as well as the media's growing influence as a result of such technologies, will be studied. In addition, students will examine how media and propaganda influence their lives, as well as classic and contemporary literature.

Department	English			Grade Level	12	
Course Title	English 12 SD: Literature of Self-Discovery				Course Code	EN23
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Students will use literature as a vehicle to examine their own identities, values, and goals. Through texts like *The Kite Runner*, *The Catcher in the Rye*, and "The Things They Carried", students will explore such timeless themes of freedom, alienation, guilt, grief, sacrifice, and redemption. In doing so, students will make text-to-self connections that allow them to develop a clearer definition of themselves and their roles in the world.

Department	English			Grade Level	12	
Course Title	English 12 CA: Contemporary American Short Stories				Course Code	EN25
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

For years, authors, scholars, and students have struggled to fully explain the short story genre and their attraction to it. Many writers have proclaimed how much they love short stories and how puzzled they are that short story anthologies never become best sellers. Students in this course will examine this paradox while they discover the powerful messages that short stories have to share with them about life in the 21st century. Students will focus on identifying elements of successful fiction writing and draw connections between diverse texts and their own lives. In doing so, they will establish controlling ideas that allow stories written by different authors to take on new, more complex, and richer meanings.

Department	English			Grade Level	12	
Course Title	Creative Writing				Course Code	EN28
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This extensive writing course explores the writing process by offering students a range of strategies to develop as writers and encouraging the students' own resources of memory, observation, and voice. Students will write fiction and memoir pieces, for which literary works will serve as models through analysis, application, and imitation. Additionally, students will read articles about writing and read various short stories and poems to fuel an ongoing understanding and clarification of individual style. Students will engage in partner, small group and large group conferencing and "workshopping" of written pieces with the intention of revising and presenting written work to a professional standard. The semester will culminate in a portfolio for each student as well as a class anthology of writing. Finally, students will be expected to read a book of their choice every five weeks and complete a project.

Department	English			Grade Level	12	
Course Title	Dramatic Arts 1				Course Code	EN19
Course Length	One Semester	Credits	1/2	Factor		1.02
Prerequisites	Grade 11 or 11H English		Co-requisites	none		
Meets NCAA Requirements		No				

Course Description:

This challenging introduction to dramatic literature is designed for students who are interested in theater. While learning about the rich history of drama, students will read, analyze, and perform selected works. Students will understand how classic drama has evolved from early Greece to Renaissance Europe to contemporary America. A course text and specific readings in this course are drawn from college-level resources. Students are expected to read, analyze, and memorize dialogue. Additionally, students will perform selected scenes from classic drama. Students will be expected to read 60-80 pages of text per week, write at least three major essays per marking period, and perform dramatic scenes in front of a live audience.

Department	English			Grade Level	12
Course Title	Dramatic Arts 2			Course Code	EN27
Course Length	One Semester	Credits	1/2	Factor	1.02
Prerequisites	ELA Dramatic Arts 1		Co-requisites	none	
Meets NCAA Requirements		No			

Course Description:

This advanced drama course, taught in the spring semester, emphasizes dramatic production. Students will learn practical strategies for creating, performing, and directing dramatic productions. Students will write their own one act plays for performance. Students are expected to read a minimum of 60 pages per week and will write at least one major paper and two essays or one act plays. Public speaking and performance is a central element in this course; therefore, students must be willing to perform in front of a variety of audiences. Students will be responsible for producing their original works as a community performance. This course will provide a solid theater foundation for those planning to pursue further study in drama

SOCIAL STUDIES COURSE DESCRIPTIONS

Department	Social Studies				Grade Level	9
Course Title	Global Studies 9				Course Code	SS73
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	none		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Global History & Geography provides students with an introduction to global regions and world issues. Students begin by studying the Paleolithic Era and the development of the first civilizations. Students examine classical societies, and trace the expansion of trade networks and their global impact. The course emphasizes the key themes of interactions over time, shifts in political power, and the role of belief systems.

Department	Social Studies				Grade Level	9
Course Title	Global 9H				Course Code	SS79
Course Length	Full Year	Credits	One	Factor		1.04
Prerequisites	Must meet honors criteria See below Summer assignment may be provided by teacher		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

A 90% final average in 8th grade Social Studies and teacher recommendation are required for enrollment in this course. The content of Global History & Geography Honors mimics the Regent's level coursework. However, topics will be covered with greater depth, rigor, and at a faster pace. There are increased expectations for independent reading and writing. Students are required to complete various independent group projects and presentations.

Department	Social Studies				Grade Level	10
Course Title	Global Studies 10				Course Code	SS75
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	Global Studies 9		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

Global History & Geography II provides a snapshot of the world circa 1750. The course continues chronologically up to the present. Several concepts are woven throughout the course including industrialization, nationalism, imperialism, conflict, technology, and the interconnectedness of the world. A chronological approach will develop students' historical understanding and skills, and enable students to make connections between the past and the present. A study of forms of government, technology, culture, and social and economic systems provide a variety of perspectives with which to view the past and understand its impact on the present. **Global Studies 10 culminates in the NYS Regents Exam in Global History and Geography II in which students are required to participate.**

Department	Social Studies				Grade Level	10
Course Title	Global 10H				Course Code	SS80
Course Length	Full Year	Credits	One	Factor		1.04
Prerequisites	Must meet honors criteria See below Summer assignment may be provided by teacher		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

A 90% final average in Regents level course OR 85% final average in Honors, and teacher recommendation are required for enrollment in this course. The content of Global History & Geography II Honors mimics the Regent's level coursework. However, topics will be covered with greater depth, rigor, and at a faster pace. There are increased expectations for independent reading and writing. Students are required to complete various independent group projects and presentations. **Global 10H culminates in the NYS Regents Exam in Global History and Geography II in which students are required to participate.**

Department	Social Studies			Grade Level	11
Course Title	American History			Course Code	SS77
Course Length	Full Year	Credits	One	Factor	1.02
Prerequisites	none			Co-requisites	none
Meets NCAA Requirements	Yes				

Course Description:

The state syllabus in American History sets forth the framework of the course. Topics include a study of the United States constitution, the constitutional crisis resulting in Civil War, Industrialization in the United States, Progressivism, Imperialism, World War I, Prosperity, Depression, World War II, the Postwar World, and domestic developments since World War II. The course traces our transformation from a rural agricultural to an urban industrial nation, and the relationship between the events of the past and the problems of today. The course promotes the knowledge and understandings that are needed in preparation for life in a democratic society. **American History culminates in the NYS United States History and Government (Framework) Regents exam in which students are required to participate.**

Department	Social Studies			Grade Level	11
Course Title	Advanced Placement US History			Course Code	SS81
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Summer assignment may be provided by teacher			Co-requisites	none
Meets NCAA Requirements	Yes				

Course Description:

This is a full year course that consists of an intensive analysis of the political (both domestic and foreign), economic, social and cultural make-up of the United States. The NYS syllabus will be covered within the context of this Advanced Placement program. Students successfully completing this program will be prepared to take both the AP Exam in American History and the New York State Regents Exam in Social Studies. This is a college level course. It is academically demanding and requires a significant commitment on the part of the student. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged). An emphasis will be placed on individual research, presentations, outside readings, and the use of supplementary materials.**

Department	Social Studies			Grade Level	11
Course Title	Advanced Placement US History American Studies Seminar with English 11 Honors			Course Code	SS82
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Summer assignment may be provided by teacher			Co-requisites	English 11 Honors American Studies Seminar
Meets NCAA Requirements	Yes				

Course Description:

This is a full-year, college level course that consists of an intensive analysis of the political, economic, social, and cultural make-up of the United States. Emphasis is placed on individual student research, presentations, outside readings, and the use of supplementary materials. Interdisciplinary projects and field trips will enable students to more fully integrate the content of American History with that of American Literature. Students will have the opportunity to meet with filmmakers throughout the year and produce their own short documentary film. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged),** and the New York State US History Regents Exam. College credit may be earned for successful performance on the Advanced Placement examination. This is a college level course. It is academically demanding and requires a significant commitment on the part of the student.

Department	Social Studies				Grade Level	12
Course Title	Economics				Course Code	SS83
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	US History		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This one semester required course includes the basic economic concepts and understandings which citizens need to function effectively in the economy of the U.S. and the world. Students will understand how a country controls its money supply and conducts trade with other nations. In addition, the students will learn the nature and function of measuring economic development including Gross National Product, Consumer Price Index, Inflation/Deflation, etc. Other topics covered include supply and demand, money and banking, and business organization.

Department	Social Studies				Grade Level	12
Course Title	Government				Course Code	SS84
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	US History		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This one semester required course is designed to provide students with insight into the design, practices, and problems of local, state and federal government. Students may be required to select an area of study and present their findings to the class. This study may be of a current issue, a constitutional question, or about a lobby/public interest group. Major components of this course are:

- Analysis of Public Policy Issues and Problems
- Making Decisions
- Implementing the Decision (Solving the Problem)

Department	Social Studies				Grade Level	12
Course Title	Participation in Government: America's Role in the World				Course Code	SS88
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	US History		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course will focus on exploring issues facing the US today and understanding the factors influencing and facing America's foreign policy decision makers. The goal of the course is to engage and inform student/citizens about issues facing their world. The course will begin with a brief history/ introduction to American Foreign Policy and international relations theory. Then the course will focus on 8 topics of interest/ focus to the US and the World and will change each year. The topics will be chosen from the Great Decisions program sponsored by the Foreign Policy Association. The culminating activity will be a simulation of a regional summit. This course will aid in the preparation of students for participation in the Academic Worldquest competition.

Department	Social Studies				Grade Level	12
Course Title	DCC Government				Course Code	SS87
Course Length	One Semester	Credits	1/2	Factor	1.06	
Prerequisites	Must meet criteria See below		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This semester-long course allows students to simultaneously complete NYS requirements for high school seniors and earn Dutchess Community College (Gov 121) credit. In this class, students will go beyond a study of the formal components of our political system in order to analyze political behavior, processes, and policy-making. Connections to relevant current policies, local, state, and federal, will require a familiarity with current events. In addition, the importance of civic participation will be addressed. Because students will utilize college level textbooks and supplementary materials, an 80% average in Grade 11 Social Studies course is required. **Students who successfully complete the course will earn three college credits from Dutchess Community College.**

Department	Social Studies			Grade Level	12
Course Title	DCC Economics			Course Code	SS86
Course Length	One Semester	Credits	1/2	Factor	1.06
Prerequisites	Must meet criteria See below		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

This semester-long course allows students to simultaneously complete NYS requirements for high school seniors and earn Dutchess Community College (Eco 105) credit. In this class, students will engage in activities to develop their economic literacy. Students will apply economic reasoning to evaluating national policies. Topics of analysis will vary to reflect current economic issues, and will require some independent reading and research around contemporary issues. Because students will utilize college level textbooks and supplementary materials, an 80% average in Grade 11 Social Studies course is required. **Students who successfully complete the class will earn three college credits from Dutchess Community College.**

Department	Social Studies				Grade Level	12
Course Title	Advanced Placement European History				Course Code	SS85
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Summer assignment may be provided by teacher		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This is a full-year, college level class that consists of an analysis of the political, economic, social, and cultural backgrounds of European nations. Primary source materials will supplement the text and form the basis for analytical essays. The European A.P. class provides an opportunity to learn history based on a philosophical approach to ideas and events that have shaped the European experience including the Renaissance, the Commercial Revolution, the Rise of National States, 18th and 19th Century Revolutions, the World at War, the Rise and Fall of Fascism, the Development of Socialism and Communism, the Cold War period, Post Cold War World, and the Rise of the European Union. This is a college level course. It is academically demanding and requires a significant commitment on the part of the student. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned for successful performance on the Advanced Placement Examination.

Department	Social Studies				Grade Level	11-12
Course Title	Psychology / Intro				Course Code	SS89
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Junior or Senior		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

The primary emphasis of this course will be to develop a broad intellectual awareness among students of the academic discipline of psychology. This introductory course surveys the essentials of psychology. Units include: introduction "to terminology, foundations, and perspectives", human learning, cognition and memory, research methods and social psychology.

Department	Social Studies				Grade Level	11-12
Course Title	Psychology / Topics				Course Code	SS90
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Psychology / Intro		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course will deal with problems of adolescents and their emotional feelings. Its purpose shall not be to improve personal character or to resolve personal dilemmas. The primary emphasis of this course is to teach intellectual skills and to stimulate student reflection about selected current topics in Psychology. Building upon the foundations of the introductory psychology course, this course will provide students with those concepts and analytic skills necessary to understand specific aspects of human behavior and human development. Units in topics include: elementary neuro science, theories on emotions, motivation, and personality, psychopathology and treatment, development and careers in psychology.

Department	Social Studies			Grade Level	11-12	
Course Title	Advanced Placement Psychology				Course Code	SS93
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Good academic standing Summer assignment may be provided by teacher		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

The purpose of the Advanced Placement course in Psychology is to introduce students to the systematic and scientific study of behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with the major subfields within psychology. Students will also learn about the ethics and methods psychologists use in their science and practice. This is a college level course. It is academically demanding and requires a significant commitment on the part of the student. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).**

Department	Social Studies				Grade Level	12
Course Title	DCC Social Problems in Today's World				Course Code	SS92
Course Length	One Semester	Credits	1/2		Factor	1.06
Prerequisites	US History		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course is an examination of current social problems that confront the individual, the United States and the international community. Concepts of the behavioral sciences are introduced. The course presents a broad range of social problems, with particular focus on the complex relationships between contemporary issues. Students are presented the current research data that explains both the causes and possible resolutions to important social issues. **Students who successfully complete the class will earn three college credits from Dutchess Community College.**

MATHEMATICS COURSE DESCRIPTIONS

Department	Mathematics			Grade Level	9
Course Title	Algebra I			Course Code	MA105
Course Length	Full Year	Credits	One	Factor	1.02
Prerequisites	Grade 8		Co-requisites	None	
Meets NCAA Requirements		Yes			

Course Description:

This course is designed to formalize and extend the mathematics that students learned in the middle grades. Students will analyze and explain the process of solving equations. They will develop fluency writing, interpreting, and translating between various forms of linear equations and inequalities, and using them to solve problems. Working with linear, exponential, quadratic, and specialized functions will allow students to make connections between mathematical concepts. They will study the characteristics of each function and be able to compare, contrast, and apply them in real world situations. It is expected that students will identify and justify mathematical relationships. **Students in this course will take the Algebra I Regents examination in June.**

Department	Mathematics				Grade Level	10-12
Course Title	Graphing Calculator I				Course Code	MA103
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Algebra I		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

An underlying theme in this course is the use of visual reasoning in mathematics. The calculator tool is essential to enabling students to construct visual and symbolic representation of ideas and incorporate these into their approaches and thinking about problems. Calculators are a means to facilitate students' mental images that help them form, relate, and organize mathematical concepts. Students in this course will extend their knowledge of algebra through the use of the TI-84 graphing calculator. The focus will be on exploring relationships between algebraic and graphic representations of numbers.

Department	Mathematics			Grade Level	10-12	
Course Title	Graphing Calculator II				Course Code	MA104
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Algebra I		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

An underlying theme in this course is the use of visual reasoning in mathematics. The calculator tool is essential to enabling students to construct visual and symbolic representation of ideas and incorporate these into their approaches and thinking about problems. Calculators are a means to facilitate students' mental images that help them form, relate and organize mathematical concepts. Students in this course will extend their knowledge of algebra through the use of the TI-84 graphing calculator. The focus will be on exploring relationships between geometric concepts.

Department	Mathematics			Grade Level	10-12
Course Title	Intermediate Algebra			Course Code	MA106
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	Algebra I		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This course will expand on all aspects of algebra. Students can take this course in order to strengthen their skills in algebraic manipulations and the command of algebraic notation. They will work with nonlinear algebraic expressions, irrational and complex numbers as solutions to nonlinear problems and the relationship between algebra and graphing.

Department	Mathematics				Grade Level	10-12
Course Title	Geometry				Course Code	MA107
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	Algebra I AND a passing score on the Algebra I Regents		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This course is designed to formalize and extend students' geometric experiences from the middle grades. Students will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. In the course, students will use triangle congruence as a foundation for the development of formal proof. Theorems will be proven and problems will be solved that relate to triangles, quadrilaterals, circles, and various polygons. They will apply reasoning to complete geometric constructions and explain why they work. Building on the foundation of proportional reasoning, students will build a formal understanding of similarity. Students will work using a rectangular coordinate system to verify geometric relationships and solve problems. **Students in this course will take the Geometry Regents examination in June.**

Department	Mathematics				Grade Level	10
Course Title	Geometry Honors				Course Code	MA108
Course Length	Full Year	Credits	One	Factor		1.04
Prerequisites	Must meet honors criteria. See below		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

Successful completion of the Algebra I course with a grade of 90% or above, teacher recommendation and a score of 90 or above on the Algebra I Regents are required for enrollment in this course. Students who achieve an 85 to 89 on the Regents exam, and meet the other criteria, may be considered for honors placement with the following conditions. First, the student and parent/guardian will sign a statement acknowledging that the student did not meet the regular criteria and are being placed in honors under alternate conditions. Second, students who do not maintain a course grade average of at least 80 percent in the first quarter will be reviewed to determine appropriate placement in the second quarter.

This course is designed to formalize and extend students' geometric experiences from the middle grades. Students will explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. In the course, students will use triangle congruence as a foundation for the development of formal proof. Theorems will be proven and problems will be solved that relate to triangles, quadrilaterals, circles, and various polygons. They will apply reasoning to complete geometric constructions and explain why they work. Building on the foundation of proportional reasoning, students will build a formal understanding of similarity. Students will work using a rectangular coordinate system to verify geometric relationships and solve problems. **Students in this course will take the Geometry Regents examination in June.**

Department	Mathematics				Grade Level	11-12
Course Title	Algebra II				Course Code	MA110
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	Geometry AND a passing score on the Geometry Regents		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students will work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. **Students in this course will take the Algebra II Regents examination in June.**

Department	Mathematics				Grade Level	10
Course Title	Algebra II Honors				Course Code	MA112
Course Length	Full Year	Credits	One	Factor		1.04
Prerequisites	Must meet honors criteria. See below		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

Successful completion of the Geometry course with a grade of 90% or above, teacher recommendation and a score of 90 or above on the Geometry Regents are required for enrollment in this course. Students who achieve an 85 to 89 on the Regents exam, and meet the other criteria, may be considered for honors placement with the following conditions. First, the student and parent/guardian will sign a statement acknowledging that the student did not meet the regular criteria and are being placed in honors under alternate conditions. Second, students who do not maintain a course grade average of at least 80 percent in the first quarter will be reviewed to determine appropriate placement in the second quarter.

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students will work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. **Students in this course will take the Algebra II Regents examination in June.**

Department	Mathematics			Grade Level	11-12	
Course Title	Modern Day Math				Course Code	MA102
Course Length	Full Year	Credits	One	Factor	1.00	
Prerequisites	Algebra I		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This innovative course engages students in investigation-based, multi-day lessons organized around big ideas. Important mathematical concepts are developed in contexts that are relevant to students. Students work collaboratively, often using graphing calculators in order to experience hands-on important and broadly useful mathematics. This course comprises a core curriculum that will upgrade the mathematics experience for all students.

Department	Mathematics			Grade Level	11-12
Course Title	Pre-Calculus			Course Code	MA114
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Algebra II		Co-requisites	None	
Meets NCAA Requirements		Yes			

Course Description:

This course represents a survey of topics including discrete Mathematics, polynomials, complex numbers, functions, graphs, sequences and series, matrices, combinatorics, curve fitting, limits, series, iteration, and derivatives. This course is intended to be a rigorous preparation for students considering AP Calculus, and thinking of a career associated with Mathematics. **This course qualifies for Marist credit through the Marist College Program.**

Department	Mathematics				Grade Level	11-12
Course Title	Pre-Calculus Honors				Course Code	MA116
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Must meet honors criteria See below		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

Successful completion of the Algebra II course with a grade of 90% or above, teacher recommendation and a score of 90 or above on the Algebra II Regents are required for enrollment in this course. Students who achieve an 85 to 89 on the Regents exam, and meet the other criteria, may be considered for honors placement with the following conditions. First, the student and parent/guardian will sign a statement acknowledging that the student did not meet the regular criteria and are being placed in honors under alternate conditions. Second, students who do not maintain a course grade average of at least 80 percent in the first quarter will be reviewed to determine appropriate placement in the second quarter.

This course represents a survey of topics including discrete Mathematics, polynomials, complex numbers, functions, graphs, sequences and series, matrices, combinatorics, curve fitting, limits, series, iteration, and derivatives. This course is intended to be a rigorous preparation for students considering AP Calculus, and thinking of a career associated with Mathematics. **This course qualifies for Marist credit through the Marist College Program.**

Department	Mathematics				Grade Level	11-12
Course Title	Calculus				Course Code	MA117
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Pre-calculus		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This course is a one year study of elementary functions and introductory calculus, placing primary emphasis on an intuitive understanding of the concepts of differential and integral calculus and on experience with its basic techniques and applications. Emphasis will be on applications, as well as theory, of the calculus. **This course qualifies for Marist credit through the Marist College Program.**

Department	Mathematics				Grade Level	11-12
Course Title	Advanced Placement Calculus AB				Course Code	MA118
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Pre-calculus. Summer assignment may be provided by teacher.		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This is a one-year course in elementary functions and introductory calculus, placing primary emphasis on an intuitive understanding of the concepts of differential and integral calculus and on experience with its basic techniques and applications. This course will prepare the student for advanced placement in college math. The course and the AP test require the use and knowledge of the graphing calculator. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies. **This his course qualifies for Marist credit through the Marist College Program.**

Department	Mathematics			Grade Level	11-12	
Course Title	Advanced Placement Statistics				Course Code	MA120
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Algebra II - Summer assignment may be provided by teacher.		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This is a one-year course in statistics that will prepare the student for advanced placement in college math. The course and the AP test require the use and knowledge of the graphing calculator. Exploratory analysis of data will allow students to study patterns and causation. Students will plan and conduct studies, use probability to anticipate data distributions, and infer from data sets. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies. **This course qualifies for Marist credit through the Marist College Program.**

Courses offered for Math Credit through the Business Department:

Department	Business				Grade Level	9-12
Course Title	App Creation – PLTW™ Computer Science Essentials A (CSE 1/2)				 Course Code	BU320
Course Length	One Semester	Credits	1/2	Factor	1.02	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course can be a first computer science course for students who have never programmed before. Students work in teams to create simple custom apps for mobile devices using MIT App Inventor®. Students explore the impact of computing in society and the application of computing across career paths and build skills and awareness in digital citizenship and cybersecurity. Students model, simulate, and analyze data about themselves and their interests. **This course may be taken by any student to satisfy a ½ credit in high school Math requirement.**



This course is part of the PLTW™ Computer Science Program.

Department	Business				Grade Level	9-12
Course Title	How To Train Your Pet Robot - PLTW™ Computer Science Essentials B (CSE 2/2)				 Course Code	BU321
Course Length	One Semester	Credits	1/2	Factor	1.02	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course can be a first or second computer science class. Students work in teams to use, modify, and create algorithms that can give devices intelligence. They learn introductory elements of visual- and text-based programming in VEXcode and Python®. Good digital citizenship skills and awareness will be practiced. **This course may be taken by any student to satisfy a ½ credit in high school Math requirement.**



This course is part of the PLTW™ Computer Science Program.

Department	Business			Grade Level	10-12
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Course Title	PLTW™ / Advanced Placement Computer Science Principles - Python					Course Code	BU305
Course Length	Full Year	Credits	One	Factor	1.06		
Prerequisites	Successful completion of CSE 1 or 2 or teacher recommendation. Summer assignments may be provided by teacher.			Co-requisites	none		
Meets NCAA Requirements		No					

Course Description:

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course aligns with the AP Computer Science Principles course.

This course is not only for computer science majors. It is also an essential discipline for students planning to study in other technical fields such as engineering, math, or medicine. Basic knowledge of programming is a part of the curriculum for all college STEM majors.

Instruction includes preparation for the AP Computer Science Principles Exam. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).**

This course may be taken by any student to meet the requirement for 1 credit in high school Math.

Department	Business			Grade Level	10-12	
Course Title	Advanced Placement Computer Science - Java				Course Code	BU300
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Successful completion of CSE 2 or teacher recommendation. Summer assignments may be provided by teacher.			Co-requisites	none	
Meets NCAA Requirements		No				

Course Description:

AP Computer Science A is equivalent to a first-semester, college level course in computer science. This course is not only for computer science majors. It is also an essential discipline for students planning to study in other technical fields such as engineering or medicine. Basic knowledge of programming is a part of the curriculum for all college STEM majors.

F.D.Roosevelt High School participates in the "University in the High School Program" through Dutchess Community College. Students may receive up to three (3) college credits if they register

The course introduces students to object-oriented programming using Java. Topics covered include problem solving, design strategies and methodologies, approaches to processing data (algorithms), organization of data (data structures), and analysis of potential solutions. Instruction includes preparation for the AP Computer Science A Exam. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).**

This course may be taken by any student to meet the requirement for 1 credit in high school Math.

SCIENCE COURSE DESCRIPTIONS

Department	Science				Grade Level	9-11
Course Title	Living Environment: Biology				Course Code	SC155
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	None		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

This course offers a study of the ways all living things carry out the activities we call "life". Some of the topics explored include the life functions of digestion, circulation, and respiration as well as how the energy to carry out these functions is obtained. The ways in which characteristic traits are inherited, how living things have changed over time, reproduction, development in sample plants and animals, and ecology are large areas of biology also included in this course. During the required labs, students learn how to use a microscope, examine plants and animals, classify living things, and study their own life functions and heredity. The scientific method is emphasized as a component of laboratory activity. **Students in this course that meet the laboratory requirements will take the Living Environment Regents examination in June.**

Please note that lab activities during this course may include animal dissection. In accordance with state law, students shall have the right to opt out of dissection activities based on a moral or religious objection, provided that the student performs an alternative project approved by the student's teacher. The objection must be substantiated in writing by the student's parent or guardian.

Department	Science				Grade Level	9-12
Course Title	Physical Setting: Earth Science				Course Code	SC153
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	None		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

This course reflects the New York State Core Curriculum: Physical Setting/Earth Science. It may be used to satisfy the Physical Setting Core Regents Graduation Requirement. This course deals with three areas of study: astronomy, geology, and meteorology. Students will focus on developing and mastering skills in observation, measurement, data collection, and analysis. **Students in this course that meet the laboratory requirements will take the Earth Science Practical in early June. Only those students that sit for the Earth Science Practical are then eligible to take the written Earth Science Regents examination later in June.**

Department	Science			Grade Level	10-12	
Course Title	Physical Setting: Chemistry				Course Code	SC157
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

This course reflects the New York State Core Curriculum: Physical Setting/Chemistry and explores the ways atoms interact as well as explanation for these interactions. Laboratory activities include making compounds such as artificial food flavors and fragrances, salts, acids and aspirins. Students will learn how to use technical glassware and common chemical laboratory equipment. **Students in this course that meet the laboratory requirements will take the Chemistry Regents examination in June.**

Department	Science				Grade Level	10-12
Course Title	Physical Setting: Physics				Course Code	SC159
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

This course reflects the New York State Core Curriculum: Physical Setting: Physics. Topics are explored with an emphasis on problem solving and laboratory experience. Areas of study include laws of motion, energy, sound, light, electricity, magnetism, and atomic theory. Optional areas such as astronomy, photography, holography, and computers may be included based on student interest. **Students in this course that meet the laboratory requirements will take the Physics Regents examination in June.**

Department	Science				Grade Level	11-12
Course Title	Paleontology				Course Code	SC163
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This course will focus on the process of finding and identifying fossils, the geologic record, absolute and relative dating, and natural history. Knowledge of the structure of Earth, processes of nature, geology, and living organisms will be explored on an application level.

Department	Science			Grade Level	11-12
Course Title	Ecology Field Study			Course Code	SC164
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None	
Meets NCAA Requirements		Yes			

Course Description:

This course will be a hands-on exploration of Hudson River ecology and include topics such as water analysis, stream survey, botany of the local area, bird adaptations, soil conservation, environmental issues, and biodiversity.

Department	Science			Grade Level	11-12	
Course Title	Introduction to Forensics				Course Code	SC165
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		Yes				

Course Description:

This course will introduce students to crime scene investigation and documentation techniques, fingerprint processing methods, collecting evidence and writing investigative reports. Topics instructed will include but are not limited to the application of science to the criminal justice system, including personal identification, analysis of drugs, forms of trace evidence, identification of biological fluids, forensic pathology, criminal psychiatry, and forensic toxicology. Please note that lab activities during this course may include animal dissection. In accordance with state law, students shall have the right to opt out of dissection activities based on a moral or religious objection, provided that the student performs an alternative project approved by the student's teacher. The objection must be substantiated in writing by the student's parent or guardian.

Department	Science			Grade Level	11-12
Course Title	Astronomy			Course Code	SC173
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

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.

Department	Science			Grade Level	10-12	
Course Title	Introduction to Chemistry				Course Code	SC158
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course will develop an appreciation of physical science and the scientific methods employed in the field. Subject matter for this course includes scientific measurement, how elements combine and react, bio-chemistry, energy and environment, nuclear energy, gases, air and water pollution, and the chemistry of health and drugs. Students enrolled in this course will take a local final exam in June.

Department	Science			Grade Level	11-12	
Course Title	Consumer Chemistry				Course Code	SC170
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course is intended to focus on chemistry topics important to the average consumer in modern society. Specific topics will include; atomic structure, the chemistry of cleaning, the chemistry of beverages, the chemistry of food, the chemistry of over-the-counter medication, and the chemistry of water.

Department	Science			Grade Level	11-12	
Course Title	Topics in Physics 1 - Mechanics				Course Code	SC150
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course explores the topics of motion, force, energy, and simple machines. Many hands-on activities are incorporated into this course. Students enrolled in this course will take a local end-of-course exam.

Department	Science				Grade Level	11-12
Course Title	Topics in Physics 2 – Waves & Electricity				Course Code	SC151
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Algebra I & 1 Regents Science		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course explores the topics of wave motion, sound, light, electricity, magnetism, and circuitry. Students enrolled in this course will take a local end-of-course exam. Note that Topics In Physics 1 is **NOT** required in order to take Topics In Physics 2.

Department	Science				Grade Level	9-12
Course Title	Advanced Placement Biology				Course Code	SC160
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Algebra I & Living Environment & Chemistry recommended, Summer assignment may be provided by teacher.		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

The rigor of Advanced Placement Biology will be the equivalent of an introductory college-level biology course. **This course is recommended for all students planning to pursue college level math, science, medicine and/or engineering.** This course will address the underlying principles, theories, and processes governing living organisms and biological systems. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies. Please note that lab activities during this course may include animal dissection. In accordance with state law, students shall have the right to opt out of dissection activities based on a moral or religious objection, provided that the student performs an alternative project approved by the student's teacher. The objection must be substantiated in writing by the student's parent or guardian.

Department	Science				Grade Level	10-12
Course Title	Advanced Placement Chemistry				Course Code	SC161
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Algebra II, Living Environment & Chemistry recommended, Summer assignment may be provided by teacher.		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

The rigor of Advanced Placement Chemistry will be the equivalent of an introductory college-level chemistry course. **This course is recommended for all students planning to pursue college level math, science, medicine and/or engineering.** The topics explored in this course include atomic structure, chemical bonding, chemical energy, equilibrium, kinetics, acids and bases, and an introduction to organic chemistry. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies.

Department	Science			Grade Level	10-12	
Course Title	Advanced Placement Physics 1				Course Code	SC162
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Geometry & taking Algebra II recommended. Summer assignment may be provided by teacher.		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

AP Physics 1 is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It also introduces electric circuits. Due to the rigorous mathematical applications within the course, a strong background in math is necessary. **This course is recommended for all students planning to pursue college level math, science, medicine and/or engineering. Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged) and the Regents Examination in Physical Setting: Physics in June.** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies.

Department	Science				Grade Level	10-12
Course Title	Advanced Placement Physics 2				Course Code	SC172
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	AP Physics 1 & Pre Calculus recommended. Summer assignment may be provided by teacher		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

AP Physics 2 is equivalent to a second-semester college course in algebra-based physics. The covers Fluids (both static and flowing), Quantum, Atomic and Nuclear Physics, Geometric and Physical Optics, Thermodynamics, and Electricity and Magnetism. Due to the rigorous mathematical applications within the course, a strong background in math is necessary as well as successful completion of Regents Physics or AP Physics 1. **This course is recommended for all students planning to pursue college level math, science, medicine and/or engineering. Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies.

Department	Science				Grade Level	10-12
Course Title	Advanced Placement Environmental Science				Course Code	SC171
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Algebra I & 2 Regents Science, (1 life/ 1physical) recommended. Summer assignment may be provided by teacher.		Co-requisites	Lab		
Meets NCAA Requirements		Yes				

Course Description:

The rigor of Advanced Placement Environmental Science will be the equivalent of an introductory college-level environmental science course. **This course is recommended for all students planning to pursue college level math, science, medicine and/or engineering.** The goal of this course is to provide students with the scientific principles, concepts, and methodologies required to understand the inter-relationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. AP Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned as a result of performance on this exam. Specifics depend on the exam score achieved and individual college policies. This course typically runs every other year, so please see your counselor for details.

WORLD LANGUAGES COURSE DESCRIPTIONS

Department	World Languages				Grade Level	9-12
Course Title	French 1				Course Code	LA200
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	none		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course introduces the student to four basic functions of a language other than English: socializing, obtaining information, expressing personal feelings and getting others to adopt a course of action through communicative skills. The French 1 course follows the NYS "Checkpoint A" syllabus. This course is designed for students who are taking French for the first time. **This course is offered only every other year. It will be offered in 2024-2025.**

Department	World Languages			Grade Level	9-12	
Course Title	French 2				Course Code	LA202
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	French 1		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

There will be a review of previously learned material and learning will continue with such topics as leisure activities, cinema, house and home (family life – roles and responsibilities) daily routine, travel (plane, train, and hotel), health and welfare, public services (post office & bank) and holidays/celebrations in French speaking countries. Students will also learn about Paris, the castles in France as well as meal taking (specialty foods). Emphasis in this course will be placed on speaking and listening skills.

Department	World Languages			Grade Level	9-12	
Course Title	French 3				Course Code	LA203
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	French 2		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course will cover topics such as pastimes, weather, meal taking at home and at restaurants, shopping (for food and other items such as clothing), travel, education (with vocabulary necessary to talk about programs, content, and school events), earning a living (with vocabulary about summer/part-time employment, preparation/training and work roles and responsibilities).

Department	World Languages			Grade Level	10-12
Course Title	French 4			Course Code	LA204
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	French 3		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

This is an intermediate college level course. F.D.Roosevelt High School participates in the "University in the High School Program" through Dutchess Community College. Students may receive college credits if they apply. This course leads the student to a greater level of proficiency in French through further developing and refining his/her language skills (listening, speaking, reading, and writing). The class will be conducted primarily in French. The framework of the course will include expansion of functional vocabulary, the study of advanced grammatical structures, an introduction to important French literary works, exposure to aspects of French culture, and promotion of self-expression in French through creative projects.

Department	World Languages				Grade Level	11-12
Course Title	French 5 (Advanced Placement)				Course Code	LA205
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	French 4 Summer assignment may be provided by teacher		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course focuses on a high degree of fluency in the four communicative skills. The framework of the course will include an in-depth study of French literary works, review of the form and structure of the French language, expansion of vocabulary and exposure to aspects of French culture. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** College credit may be earned following the student's satisfactory performance on the advanced placement exam.

Department	World Languages				Grade Level	9-12
Course Title	Spanish 1				Course Code	LA210
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	none		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course introduces the student to four basic functions of a language other than English: socializing, obtaining information, expressing personal feelings and getting others to adopt a course of action through communicative skills. The Spanish 1 course follows the NYS "Checkpoint A" syllabus. This course is designed for students who are taking Spanish for the first time.

Department	World Languages			Grade Level	9-12
Course Title	Spanish 2			Course Code	LA211
Course Length	Full Year	Credits	One	Factor	1.02
Prerequisites	Spanish 1		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

An emphasis will be placed on speaking, reading, writing and listening skills in this class. There will be a review of the previously learned material. Instruction will continue with topics such as pastimes; the family (with vocabulary necessary to describe roles and responsibilities of family members); vacation, meal-taking (with vocabulary that includes menus); shopping, basic health vocabulary and childhood vocabulary. Students take a local exam at the end of this course.

Department	World Languages				Grade Level	9-12
Course Title	Spanish 3				Course Code	LA213
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	Spanish 2		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course will be a review of the first two years of Spanish, while elevating/adding to previously learned vocabulary and grammar to bring students to the level of NYS syllabus checkpoint B. Topics covered include personal relationships, recreational activities, daily living, health and well-being, travel, and the environment. Grammar focus will be on present, past and future tenses. The final exam for this course will take place during Regents week in June and must be passed in order to obtain credit toward the Advanced Regents Diploma.

Department	World Languages				Grade Level	10-12
Course Title	Spanish 4				Course Code	LA214
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Spanish 3		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This is an intermediate college level course. F.D.Roosevelt High School participates in the "University in the High School Program" through Dutchess Community College. Students may receive college credits if they register with Dutchess Community College. The focus of the course is centered on the ability to communicate in the language, so that the student is able to function in Hispanic environments. Students will learn to be creative with the Spanish language by combining and recombining learned elements. Students will be exposed to all aspects of the Spanish language, with emphasis on listening, speaking, reading, and writing. Students will be able to handle everyday situations, simple narrations, descriptions, and expositions. The following elements will be included in Spanish 4: grammar, readings of different types, civilization / culture, writing assignments, and oral presentations.

Department	World Languages			Grade Level	11-12
Course Title	Spanish 5 (Advanced Placement)			Course Code	LA215
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Spanish 4 Summer assignment may be provided by teacher		Co-requisites	none	
Meets NCAA Requirements		Yes			

Course Description:

This course is approximately equivalent to an upper-intermediate level college course, with emphasis placed equally on listening, speaking, reading and writing. It will engage students in an exploration of culture in both contemporary and historical contexts. It emphasizes communication by applying interpersonal, interpretive and presentational skills in real life situations presented through authentic materials centering on six global themes: Families & Communities, Personal & Public Identities, Beauty & Aesthetics, Science & Technology, Contemporary Life, and Global Challenges.

Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged). College credit may be earned following the student's satisfactory performance on the advanced placement exam.

Department	World Languages				Grade Level	9-12
Course Title	Latin				Course Code	LA220
Course Length	Full Year	Credits	One	Factor		1.02
Prerequisites	None		Co-requisites	none		
Meets NCAA Requirements		Yes				

Course Description:

This course introduces the student to four basic functions of a language other than English: socializing, obtaining information, expressing personal feelings and getting others to adopt a course of action through communicative skills. The Latin 1 course follows the NYS "Checkpoint A" syllabus. This course is designed for students who are taking Latin for the first time. **This course is offered on an every other year basis. It will be offered in 2025-2026.**

PHYSICAL EDUCATION COURSE DESCRIPTIONS

Department	Physical Education				Grade Level	9
Course Title	Physical Education 9				Course Code	PE406
Course Length	Full Year	Credits	1/2	Factor	1.00	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

9th grade classes will have a major focus on personal health and fitness activities. Students will acquire knowledge of physical fitness concepts, develop an understanding of the significance of lifestyle on one's health and fitness, and develop increased fitness levels. The course incorporates classroom instruction, laboratory activities, and assessment.

Department	Physical Education				Grade Level	10
Course Title	Physical Education 10				Course Code	PE408
Course Length	Full Year	Credits	1/2	Factor	1.00	
Prerequisites	Physical Education 9		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

10th graders will focus on team sports activities. The sport education model will be utilized to teach the basic skills, rules and strategies involved in game play. Sport education allows the teacher to provide students with highly authentic learning experiences with three main outcomes: to educate students to be competent, literate, and enthusiastic sportspersons. Students will be required to serve in a variety of leadership roles throughout the course.

Department	Physical Education				Grade Level	11/12
Course Title	Physical Education 11/12				Course Code	PE401
Course Length	Full Year	Credits	1/2	Factor		1.00
Prerequisites	Physical Education 10		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course must be taken in both the junior and senior years. Students will be learning advanced skill and strategies in individual and team sports and activities previously learned in 9th and 10th grade. Students will gain a broader understanding concerning the value of sport and its potential contribution to the maintenance of a physically active lifestyle.

Department	Physical Education				Grade Level	11/12
Course Title	Physical Education 11/12				Course Code	PE402-405
Course Length	One Semester	Credits	1/4	Factor	1.00	
Prerequisites	Physical Education 10		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course must be taken in both the junior and senior years. Students will be learning advanced skill and strategies in individual and team sports and activities previously learned in 9th and 10th grade. Students will gain a broader understanding concerning the value of sport and its potential contribution to the maintenance of a physically active lifestyle.

Department	Physical Education				Grade Level	11/12
Course Title	Strength and Conditioning				Course Code	PE410
Course Length	Full Year	Credits	1/2	Factor	1.00	
Prerequisites	Physical Education 10		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This is a FULL year every other day elective physical education course offered to those students in grades 11 and 12 who have been successful in completing physical education in 9th and 10th grade. This course CAN replace the required 11/12 physical education. The purpose of this course is to expand student's knowledge and provide experiences with advanced weight training techniques. This course would be beneficial for any student who shows interest in any of the military forces or police force. The class will be focused on the development of muscular strength and endurance through the application of the FITT training principles specific to the individual's goals. At the conclusion of this course, students will be able to assess, monitor, reflect upon, and adjust their current workout to meet their needs and desires.

Department	Physical Education			Grade Level	11/12
Course Title	Fitness, Weight Training and Lifetime Activities			Course Code	PE411
Course Length	One Semester	Credits	1/4	Factor	1.00
Prerequisites	Physical Education 9 and 10	Co-requisites	None		
Meets NCAA Requirements		No			

Course Description:

This course would allow students who have successfully completed 9th and 10th grade PE classes the opportunity to continue their physical education predominantly in the weight room setting. Students would learn how to apply the fitness concepts they have learned in their previous classes to a workout of their choosing being certain to target all of the Health and Skill Related Components of Fitness. Students would understand that they are responsible for goal setting, and self reflection throughout the year. The teacher would moderate and adapt workouts as needed. When other grade levels need to be in the weight room, students will learn various individual or partner-type activities. Students will learn the rules and strategies of each activity along with how to successfully integrate them throughout their life.

Additional Information for all Physical Education classes:

Students with a medical excuse must have the excuse signed and dated by the physical education teacher and have this document on file with the school nurse. Furthermore, students with physical education medical limitations must report to physical education classes as scheduled. An alternative activity will be assigned by the physical education teacher in keeping with the medical report submitted by the student's doctor. Students with long-term limitations will be offered an adapted program.

HEALTH COURSE DESCRIPTIONS

Department	Health			Grade Level	10
Course Title	Health			Course Code	HE400
Course Length	One Semester	Credits Per Semester	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

Health Education is a state requirement for graduation. Topics include personality, mental health, human sexuality, drug abuse, alcoholism, nutrition and disease. Considerable stress is placed upon problems associated with smoking, drinking of alcoholic beverages, drugs and narcotics, and sexually transmitted diseases including H.I.V. and A.I.D.S. The course is designed to present materials leading to a better understanding of personal health problems on a mature level. There are a variety of classroom activities, including group discussion and the use of outside speakers.

Department	Health			Grade Level	11/12
Course Title	Critical Issues in Health			Course Code	HE401
Course Length	One Semester	Credits Per Semester	1/2	Factor	1.00
Prerequisites	Health			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

This is a half year semester course offered to those students in grades 11 and 12 who have successfully passed health. This course does not replace the required .5 credits of health education. This course will focus on real world issues facing students today. With a firm basis in health psychology and the underlying beliefs that guide our behaviors, students will explore current issues such as, emotional wellness, addiction and recovery, death and dying, parenting and human sexuality, environmental issues, and more. Students will be certified in CPR and Narcan training. All instruction will center on health related careers connected to the issues.

ART COURSE DESCRIPTIONS

The Fine & Performing Arts are a vital and important part of a well-rounded education. Students taking art courses at FDR develop creativity and critical thinking skills that will have lifelong benefits. Whether or not students decide to pursue art in college and beyond, an art sequence prepares students with skills that transfer to many other disciplines.

Enrolling in a five-unit Fine & Performing Arts sequence will allow you to:

1. Fulfill all sequence requirements for your Regents diploma.
2. Fulfill your art/music requirement.
3. Have the option to earn AP credit
4. Be exempted from your high school three-unit LOTE requirement.

The following sample shows how you can make a Fine & Performing Arts sequence part of your complete high school program, preparing you for college and leading to a Regents diploma.

5 UNIT SEQUENCE

FINE ARTS	• 1/2 unit in Studio Art • 4 1/2 additional Art units beyond Studio Art
FINE & PERFORMING ARTS	• 1/2 unit in Studio Art plus one additional 1/2 unit art elective (excluding Art History) • 1 unit Music Theory or Guitar and Piano • 3 units Performing Music or additional Art units beyond Studio Art

Those students choosing to complete the minimum **ART/MUSIC** diploma requirement may do so by taking any of the available **Art** or **Music** electives.

There are several options for students wanting to take a fine arts sequence.

2D Track (Drawing, Painting, Design)

Students wishing to take Advanced Placement Drawing in their senior year must complete the following sequence:

8th grade - Studio Art

9th grade - Drawing

10th grade - Painting

11th grade - Advanced Art Honors

12 grade - 2 D Advanced Placement

3D Track (Ceramics, Sculpture, Fashion)

Students wishing to take Advanced Placement 3D must take:

- Studio Art **and** one additional ½ credit art course.
- Drawing
- Both Ceramics **and** Advanced 3D Design in Clay Honors **or** Both Fashion **and** Advanced Fashion.
- Advanced Placement 3D Ceramics or Advanced Placement 3D Fashion

Note: AP 2D and 3D are portfolio development courses and require teacher recommendation. Drawing is a prerequisite for all Advanced Placement art courses.

Department	Fine Arts			Grade Level	9-12
Course Title	Studio Art			Course Code	AR263
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

Studio Art is a course designed to introduce students to the wide variety of art offerings, focusing on the foundational topics of art: drawing, painting, art history, elements of art and the principles of design. This work will help them develop their talents and serve to guide their interests. Students will gain the necessary foundation to succeed in advanced level art courses.

Department	Fine Arts			Grade Level	9-12
Course Title	Sculpture			Course Code	AR261
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

This is a course designed for students interested in working with three dimensional forms. Students will explore a variety of materials and construction techniques, while creating sculptures. Students will have an opportunity to work with hand crafted and found objects.

Department	Fine Arts			Grade Level	9-12
Course Title	Art History			Course Code	AR260
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

The Art History elective offers a chronological survey of Western Art from Pre-Historic to present time. This course will strengthen student's visual language and vocabulary of art, making connections to historical context. The elements and principles of design will support this artistic investigation. Students will maintain a sketchbook as a tool for documentation.

Department	Fine Arts			Grade Level	9-12
Course Title	Creative Crafts			Course Code	AR274
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

The Creative Crafts elective is designed to expose the student to various processes, techniques and methods related to crafts. The student will not only explore the importance of the craft movement and how it has evolved over the past 100 years in America, but will also learn the process used to create different crafts. A variety of media will be used and combined to create projects. Areas such as carving, mosaics, weaving and sculpture will be covered.

Department	Fine Arts			Grade Level	9-12
Course Title	Landscape			Course Code	AR275
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

The Landscape elective will introduce students to the fundamentals of landscape drawing and painting through the close observation of nature. Emphasis will be on the use of techniques used to fill a landscape painting with light and atmosphere. An understanding of historical landscape practice will be developed.

Department	Fine Arts			Grade Level	9-12	
Course Title	Visual Journaling				Course Code	AR276
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

The Visual Journaling elective will introduce students to creative ways to express and record life's experiences, feelings, emotional reaction and their inner voice, both visually and verbally. Students will create their own journal/sketchbook, using the elements and principles of design to organize their ideas and compositions. They will also incorporate text as a graphic tool to enhance the visual effect of the journaling pages.

Department	Fine Arts			Grade Level	9-12	
Course Title	Intro to Fashion				Course Code	AR266
Course Length	Full Year	Credits	One	Factor	1.00	
Prerequisites	Studio Art or Teacher Recommendation		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course will focus on the basics of fashion design as well as sewing by hand and machine. Through this course, students will maintain a sketchbook as a location for documenting their creative process and recording research. Students will learn how to draw in response to the body through the exploration of fashion history, and the creation of fashion illustrations. Students will experiment with textiles, dyeing, embellishment, and construction as well as create stuffed animals, quilts, and basic garments that leave room for student choice.

Department	Fine Arts			Grade Level	10-12
Course Title	Advanced Fashion				Course Code AR271
Course Length	Full Year	Credits	One	Factor	1.04
Prerequisites	Fashion		Co-requisites	None	
Meets NCAA Requirements		Intro to Fashion and Teacher Recommendation			

Course Description:

This course will deeply investigate fashion: how we make it, when we wear it, and why we choose it. Through this course, students will maintain a comprehensive sketchbook as a location for documenting their creative process and recording research. Students will continue to draw in response to the body through the exploration of fashion history, and the creation of drawn fashion models. They will experiment various technical processes, and will develop conceptual themes for their work in preparation for AP 3-D Design in Fashion and/or a collegiate portfolio.

Department	Fine Arts				Grade Level	11-12
Course Title	Advanced Placement 3-D/Fashion				Course Code	AR273
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Advanced Fashion/Drawing/Teacher Recommendation		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course will investigate the intersection of fashion, craft, art, and design. In this course, students will use fashion as a jumping off point to create wearable objects that are both sculptural and thematic. Students are expected to take the Advanced Placement Examination in completion of this course in May (for which a fee is charged). Regular attendance, and working diligently is of great importance in order to make progress and complete and effective AP 3-D Portfolio.

Department	Fine Arts			Grade Level	10-12
Course Title	Ceramics			Course Code	AR251
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	Studio Art or Teacher Recommendation		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This is an introductory course in clay and glaze. Students will learn the basics of wheel throwing and handbuilding techniques such as pinch, coil, slab and using molds. Regular attendance is of great importance in order to make progress and keep clay workable.

Department	Fine Arts			Grade Level	11-12
Course Title	Advanced 3-D and Design in Clay Honors			Course Code	AR272
Course Length	Full Year	Credits	One	Factor	1.04
Prerequisites	Ceramics and Teacher Recommendation		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This is an advanced course in clay and glaze. Students will build on their understanding of clay by learning advanced wheel throwing and handbuilding techniques such as coil construction and sculpture. This course will also help students find their artistic voice and begin to build the "selected works" section of a portfolio for AP 3D Art and Design Exam. Regular attendance is of great importance in order to make progress and keep clay workable.

Department	Fine Arts				Grade Level	11-12
Course Title	Advanced Placement 3-D/Ceramics				Course Code	AR269
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Advanced 3D Design in Clay, Drawing, Teacher Recommendation		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This class is to continue developing a quality portfolio for submission to the AP 3D Art and Design Exam. Students in this course are expected to take the AP 3D Art and Design Exam in May (for which a fee is charged). This course will guide students through the "sustained investigation" section of the AP portfolio. Students enrolled in this course are expected to work diligently and independently both in and outside of class. Regular attendance is of great importance in order to make progress and keep clay workable. A summer assignment may be provided for students enrolled in this course.

Department	Fine Arts			Grade Level	9-12
Course Title	Drawing			Course Code	AR257
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	Studio Art or Teacher Recommendation		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This course is designed for those students who wish to further their skills in drawing and is a prerequisite for all Advanced Placement art courses. Students will work with a variety of media including digital drawing on ipads, charcoal, pencil/graphite, watercolor, pen, and pastel. Areas of focus will be on developing student's abilities in shading, perspective, and line work with an exploration of processes, techniques, and materials.

Department	Fine Arts			Grade Level	10-12
Course Title	Painting			Course Code	AR259
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	Drawing or Teacher Recommendation		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This course is designed primarily for those students who wish to further their skills in painting. Painting is considered the second step of the four-year 2D art sequence. This course builds on what was covered in drawing with a further exploration of art history, acrylic paint and watercolor.

Department	Fine Arts			Grade Level	11-12
Course Title	Advanced Art Honors			Course Code	AR250
Course Length	Full Year	Credits	One	Factor	1.04
Prerequisites	Drawing, Painting and Teacher Recommendation.		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

The objective of this class is for students to create a quality-drawing portfolio for college admissions. Most of the work done during this course will be applied to the AP portfolio for the following year. The work in this class is a mix of observational studies and concept-based work using a wide range of materials and techniques.

Department	Fine Arts			Grade Level	12
Course Title	Advanced Placement Drawing			Course Code	AR270
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Advanced Art and Teacher Recommendation.		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

The focus of this class is to further develop a quality portfolio for college admissions and submission to the AP Drawing Exam. Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged). The AP Drawing course is focused on a "sustained investigation" of one topic as it is visually explored throughout the year. This course is equivalent to a freshman level college course. Students will be expected to work independently and are required to dedicate at least 6-8 hours a week at home. Students are also expected to take an active participatory role in organizing and setting up the annual Senior Art Show in the spring.

MUSIC COURSE DESCRIPTIONS

Fine & Performing Arts education is a vital and important parts of a well rounded education. Colleges recognize creativity and problem solving to be critical skills necessary for success in all walks of life. Music education provides this and more! Participation in the high school music program will provide you with tools for success and a lifetime of memories. So, whether as a professional or simply for your own enjoyment, your high school music experiences will serve you well. How does a Fine & Performing Arts sequence relate to your overall high school program?

Enrolling in a five-unit Fine & Performing Arts sequence will allow you to:

1. Fulfill all sequence requirements for your Regents diploma.
2. Fulfill your art/music requirement for your Regents diploma.
3. Have the option to earn AP credit.
4. Be exempted from your high school three-unit LOTE requirement.

The following sample shows how you can make a Fine & Performing Arts sequence part of your complete high school program, preparing you for college and leading to a Regents diploma.

5 UNIT SEQUENCE

FINE & PERFORMING ARTS	• 1/2 unit in Studio Art plus one additional 1/2 unit art elective (excluding Art History) • 1 unit Music Theory or Guitar and Piano • 3 units Performing Music or additional Art units beyond Studio in Art
MUSIC	• 2 units Music Theory • 3 units Performing Music

Those students choosing to complete the minimum **ART/MUSIC** diploma requirement may do so by taking any of the available **Art** or **Music** electives.

Department	Music			Grade Level	9-12
Course Title	Piano			Course Code	MU440
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This is an introductory course in piano with emphasis on basic technique and music reading. No previous experience is required. Study includes music theory, the use of chord symbols, lead sheets and Fake books. It is highly recommended that an instrument be available for home practice.

Department	Music			Grade Level	9-12
Course Title	Guitar			Course Code	MU443
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This is an introductory course stressing basic techniques for fingering and music reading. No previous experience is necessary. Study includes the use of chords. Instruments for class use only are provided. It is highly recommended that an instrument be available for home practice.

Department	Music			Grade Level	9-12
Course Title	Orchestra			Course Code	MU451
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

Orchestra is offered as a part of our comprehensive grade 4-12 instrumental program. It is recommended that students meet a minimum of NYSSMA Level IV proficiency on their major instrument. Class meets daily with class lessons required weekly on a rotating basis. **REQUIRED ORCHESTRA ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL.**

Department	Music			Grade Level	9-12	
Course Title	Symphony Orchestra				Course Code	MU458
Course Length	Full Year	Credits	One	Factor	1.00 *	
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Symphony Orchestra is offered to those students who have auditioned and demonstrated NYSSMA Level V proficiency on their instrument and/or are recommended by their teacher. The chamber orchestra meets daily with instrumental lessons required weekly on a rotating basis. **REQUIRED CHAMBER ORCHESTRA ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL.**

Department	Music			Grade Level	9-12	
Course Title	Symphonic Band				Course Code	MU450
Course Length	Full Year	Credits	One	Factor	1.00	
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Symphonic Band is offered as a part of our comprehensive grade 4-12 instrumental program. It is recommended that students meet a minimum of NYSSMA Level IV proficiency on their major instrument. Class meets daily with instrumental lessons required weekly on a rotating basis. **REQUIRED BAND ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL.**

Department	Music			Grade Level	9-12	
Course Title	Wind Ensemble				Course Code	MU452
Course Length	Full Year	Credits	One	Factor	1.00 *	
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Wind Ensemble is offered to those students who have auditioned and demonstrate a minimum of NYSSMA Level V proficiency on their instrument and/or are recommended by their teacher. Class meets daily with instrumental lessons weekly on a rotating basis. **REQUIRED BAND ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL**

Department	Music				Grade Level	9-12
Course Title	Mixed Chorus				Course Code	MU453
Course Length	Full Year	Credits	One	Factor	1.00	
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Prior choral experience and music reading ability are suggested for members of the Mixed Chorus. The basics of correct vocal production and sight-singing are studied. Literature includes music of all periods and styles, from classical to pops and is performed in concert by full chorus, men's and women's ensembles. This class meets daily with additional vocal lessons on a rotating basis. **REQUIRED CHORUS ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL.** With special permission this course is available for ½ year, first semester only.

Department	Music			Grade Level	10-12	
Course Title	Concert Choir				Course Code	MU454
Course Length	Full Year	Credits	One	Factor	1.00	
Prerequisites	Teacher Recommendation and/or Audition		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Prior choral experience is required; music reading ability is very strongly suggested for members of the Concert Choir. Continuing study of good vocal production and solfege (sight-singing) are studied. Literature includes music of NYSSMA Level 5 and above, with serious attention given to polished performances of all styles of music. This **select** choir rehearses daily with additional vocal lessons on a rotating basis. **REQUIRED CHORUS ACTIVITIES INCLUDE CONCERTS IN AND OUT OF SCHOOL.** Exchange concerts, tours, and trips are offered. **This is only offered as a full year, everyday course.**

Department	Music			Grade Level	9-12	
Course Title	Music Theory I				Course Code	MU455
Course Length	Full Year	Credits	One	Factor	1.02	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course is offered every other year in rotation with AP Music Theory. Past experience in reading music is recommended. **Teacher and department head approval is required for those without a background in a performance group.** Topics covered are music reading, sight-singing, melodic, harmonic and rhythmic dictation, keyboard skills as related to harmony, basics in composition and harmony.

Department	Music			Grade Level	10-12	
Course Title	Advanced Placement Music Theory				Course Code	MU456
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	Music Theory or Teacher Recommendation, Summer assignment may be provided by teacher.		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course is offered every other year in rotation with Music Theory, pending sufficient enrollment. Preparation for the Advanced Placement Exam in May including study of melodic and harmonic dictation, solfege (sight-singing), harmonic and melodic analysis, melody writing and harmonization, score reading and analysis, four-part writing and counterpoint. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).** Summer assignments may be provided by the teacher.

Department	Music			Grade Level	9-12	
Course Title	Applied Music				Course Code	MU448
Course Length	Full Year	Credits	1/2	Factor	1.00	
Prerequisites	Teacher Recommendation		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Students must be approved by the director of the appropriate ensemble, and submit an application to the Director of Fine and Performing Arts by September 30. Private instructors must be approved by the Director of Fine and Performing Arts.

Student must be a member of **Chorus, Orchestra, Wind Ensemble, or Band** for the entire school year, although they do not have to play or sing as part of the ensemble the instrument on which they are taking private lessons. As an example, a piano student in chorus does not have to play the piano in chorus to be eligible. Students will receive one half credit for the year.

Students will perform a solo for the director of their performing organization each marking period. A NYSSMA solo performance (at festival or during an after school recital) will be required for the final marking period. Credit granted **may not** be used as a substitute for the minimum graduation requirement. Credit granted **may not** be used as part of a graduation sequence.

***SPECIAL NOTE:** - Weighted Grade in Wind Ensemble & Symphony Orchestra

Wind and percussion students (9-12) are selected via audition and/or teacher recommendation.

Those students are responsible for preparation of the music for two major organizations within the same class period and receive a weighted grade factor of 1.04.

Theatre Course Descriptions

The Fine & Performing Arts are a vital and important part of a well-rounded education. Students taking theatre courses at FDR develop creativity and critical thinking skills that will have lifelong benefits. Theatre offerings may be taken alone or combined with other Fine and Performing Arts offerings to fulfill the one-credit arts requirement for graduation, or combined with other courses leading to a 5-credit Fine and Performing Art sequence. Those seeking to use this as part of a 5 credit Fine and Performing Arts sequence would also need to take coursework culminating in an (AP) exam in either visual art or music theory.

Department	Theatre				Grade Level	9-12
Course Title	Drama Comprehensive				Course Code	TH100
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	none		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description

Drama- Comprehensive is intended to help develop students' experience and skill in various aspects of theatrical production. This course will provide a broad overview of several features of drama, including acting, dramaturgy, design, directing, producing, and writing. (Offered in the Fall Semester)

Department	Theatre			Grade Level	9-12	
Course Title	Stagecraft				Course Code	TH110
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description

Stagecraft is intended to help students develop experience and skill in various facets of technical theatre. This course will expand students' experience with stage design, character design, lighting, sound design, marketing, and professions in theatre. This course will prepare students for participation in theatrical productions both in school and beyond. (Offered in the Spring Semester)

BUSINESS/ INFORMATION SYSTEMS

BUSINESS EDUCATION AND YOUR REGENTS DIPLOMA

The skills, interests, and ability levels of our students are as diverse as our students themselves. The avenues that students travel to reach their career goals are also diverse. Whether through entry into post-secondary education or employment, a Business Education sequence can open the door to a variety of opportunities for many students.

Enrolling in a five-unit Business sequence will allow you to:

1. be exempt from your high school three-unit LOTE requirement.
2. have an option to fulfill one of your math unit requirements (A programming course in the Business Education sequence can be used to meet one unit of your math requirements).
3. earn AP credit (AP Computer Science Principles AND AP Computer Science A).
4. earn PLTW credit (some programming courses).
5. fulfill all sequence requirements for your Regents diploma.

The following sample shows how you can make a Business sequence part of your complete high school program, preparing you for college and leading to a Regents diploma. The Business Education courses have been highlighted for you. Remember, you can choose from a wide variety of Business courses, based on your area of interest.

GRADE 9		GRADE 10	
English	1 unit	English	1 unit
Social Studies	1 unit	Social Studies	1 unit
Math	1 unit	Math	1 unit
Science	1 unit	Science	1 unit
Health	½ unit	PLTW™ CSE A – Apps Creation	½ unit
Art Elective	½ unit	PLTW™ CSE B – How to train your pet robot	½ unit
Elective	1 unit	Elective	1 unit
Physical Education	½ unit	Physical Education	½ unit
	6 ½ units		6 ½ units
GRADE 11		GRADE 12	
English	1 unit	English	1 unit
Social Studies	1 unit	Social Studies	1 unit
Math	1 unit	Elective	1 unit
Science	1 unit	Career and Financial Management	½ unit
Business Law OR PLTW™ / AP Computer Science Principles (Python)	1 unit	Intro to Business OR Winner's Circle Marketing	1 unit
	1 unit	PLTW™ /AP Comp Science A (Java) OR Cybersecurity	1 unit
Physical Education	½ unit	Physical Education	½ unit
	6 ½ units		6 units



The Business Department offers a sequence of Project Lead The Way (PLTW) courses. This program offers an accredited computer science curriculum to high school students to develop the skills necessary to succeed in college. Many colleges and universities recognize success in these classes by offering credits and/or advanced placement to incoming college freshman. These classes are all listed with the PLTW™ moniker.

BUSINESS COURSE DESCRIPTIONS

Department	Business				Grade Level	9-12
Course Title	App Creation – PLTW™ Computer Science Essentials A (CSE 1/2)				 PLTW PRODUCT LEARN THE WAY	Course Code BU320
Course Length	One Semester	Credits	1/2	Factor	1.02	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements						

Course Description:

This course can be a first computer science course for students who have never programmed before. Students work in teams to create simple custom apps for mobile devices using MIT App Inventor®. Students explore the impact of computing in society and the application of computing across career paths and build skills and awareness in digital citizenship and cybersecurity. Students model, simulate, and analyze data about themselves and their interests. **This course may be taken by any student to satisfy a ½ credit in high school Math requirement.**

Department	Business				Grade Level	9-12
Course Title	How to train your pet robot - PLTW™ Computer Science Essentials B (CSE 2/2)				 PRODUCT LEAD THE WAY PLTW	Course Code BU321
Course Length	One Semester	Credits	1/2		Factor	1.02
Prerequisites	Successful completion of ICS 1			Co-requisites	None	
Meets NCAA Requirements		No				

Course Description:

This course can be a first or second computer science class. Students work in teams to use, modify, and create algorithms that can give devices intelligence. They learn introductory elements of visual- and text-based programming in VEXcode and Python®. Good digital citizenship skills and awareness will be practiced. **This course may be taken by any student to satisfy a ½ credit in high school Math requirement.**



This course is part of the PLTW™ Computer Science Program.

Department	Business				Grade Level	10-12
Course Title	PLTW™ / Advanced Placement Computer Science Principles - Python				 PLTW	Course Code BU305
Course Length	Full Year	Credits	One	Factor		1.06
Prerequisites	Successful completion of CSE 1 or 2 or teacher recommendation. Summer assignments may be provided by teacher.			Co-requisites	none	
Meets NCAA Requirements		No				

Course Description:

Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. This course aligns with the AP Computer Science Principles course.

This course is not only for computer science majors. It is also an essential discipline for students planning to study in other technical fields such as engineering, math, or medicine. Basic knowledge of programming is a part of the curriculum for all college STEM majors.

Instruction includes preparation for the AP Computer Science Principles Exam. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged).**

This course may be taken by any student to meet the requirement for 1 credit in high school Math.

Department	Business			Grade Level	10-12
Course Title	Advanced Placement Computer Science A - Java			Course Code	BU300
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Successful completion of CSE 2 or teacher recommendation. Summer assignments may be provided by the teacher.			Co-requisites	none
Meets NCAA Requirements	No				

Course Description:

AP Computer Science A is equivalent to a first-semester, college level course in computer science. This course is not only for computer science majors. It is also an essential discipline for students planning to study in other technical fields such as engineering or medicine. Basic knowledge of programming is a part of the curriculum for all college STEM majors.

The course introduces students to object-oriented programming using Java. Topics covered include problem solving, design strategies and methodologies, approaches to processing data (algorithms), organization of data (data structures), and analysis of potential solutions. Instruction includes preparation for the AP Computer Science A Exam. **Students in this course are expected to take the Advanced Placement Examination in May (for which a fee is charged). This course may be taken by any student to meet the requirement for 1 credit in high school Math.**

Department	Business			Grade-level	11-12
Course Title	Cybersecurity 			Course Code	BU 303
Course Length	Full Year	Credits	1	Factor	1.06
Prerequisites	Comp Sci 1&2			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

PLTW Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially, "outside-the-box" thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security. The course contains the following units of study. **This course may be taken by any student to meet the requirement for 1 credit in high school Math.**

- Unit 1 Personal Security (19%)
- Unit 2 System Security (22%)
- Unit 3 Network Security (31%)
- Unit 4 Applied Cybersecurity (28%)

Department	Business			Grade Level	10-12
Course Title	Intro to Business			Course Code	BU316
Course Length	Full Year	Credits	One	Factor	1.00
Prerequisites	None			Co-requisites	None
Meets NCAA Requirements	No				

Course Description:

Intro to Business offers a broad overview of modern business organization and operation. Whether you are planning to major in business in college or go straight to work in the business world, this course will provide you with the essentials of running a business. Management, finance, accounting, marketing, and international business will be discussed. For college business majors, this course will help you select your area of concentration for your business degree. Students examine how businesses are organized to provide a product, a service, an idea, or a combination of these, and are acquainted with activities commonly utilized by most businesses to enable them to meet customers' needs and demands. Students will have daily access to computers to provide a hands-on opportunity to become familiar with the manipulation of data through the use of software programs for word processing, databases, spreadsheets, and graphics.

Department	Business			Grade Level	11-12
Course Title	Business Law			Course Code	BU302
Course Length	Full Year	Credits	One	Factor	1.02
Prerequisites	Recommended for Juniors and Seniors		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

An understanding of how our legal system works is a must for anyone living and working in our society. The objective of this course is not only to inform students about law that affects their daily lives, but also to develop their ability to reason and argue effectively. Students are taught to take a position and support it with reasoned conclusions from facts. The course covers civil and criminal law, as well as law for business, contracts, work, and other legal concerns. Most of the class time is spent discussing various case situations and current legal developments.

Department	Business			Grade Level	11-12	
Course Title	Career and Financial Management				Course Code	BU310
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Senior Status Recommended		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course is offered to juniors and seniors as an elective course. Students will become familiar with all aspects of personal financial management including banking, investing, saving, proper use of credit, insurance, and budgeting their money, research different career options, and evaluate post-secondary education alternatives. **This course is highly recommended for all upperclassmen**

Department	Business				Grade Level	9-12
Course Title	Winners Circle: Marketing 				Course Code	BU301
Course Length	Full Year	Credits	1	Factor	1.00	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

The Marketing course blends theory and practice to prepare students to successfully face challenges in today's diverse and dynamic marketplace. The course begins by exploring the importance of understanding the audience – who is the audience and what is important to them – and continues with sessions that help to build relationships with identified audiences and inspire these audiences to say “yes” to students’ calls-to-action. Concepts are explained and then practiced, using real-world initiatives that both illustrate the concepts and provide opportunities for students to see the concepts in action.

While the learning objectives support the program’s fundamental goal of marketing a student-built vehicle, the skills developed can easily transfer to any industry as they are the foundation for stimulating demand with persuasive communications and building and sustaining profitable customer relationships. The course is an opportunity for students to explore marketing as a profession, including hands-on opportunities to develop skills in writing, design, media relations, advertising, fundraising, and public relations – all necessary for traditional and digital communication channels. Embedded within the course is the Pathways to Success curriculum.

TECHNOLOGY COURSE DESCRIPTIONS

THE BIG PICTURE: BUILDING YOUR HIGH SCHOOL PROGRAM TECHNOLOGY EDUCATION AND YOUR REGENTS DIPLOMA

How does a Technology Education sequence relate to your overall high school program?

Enrolling in a five-unit Technology sequence will allow you to:

1. Be exempted from your high school three-unit LOTE requirement.
2. Have an option to fulfill your art/music requirement (Design & Drawing for Production and Graphic Communications courses in the Technology education sequence can be used to meet the art/music requirement).
3. Fulfill all sequence requirements for your Regents diploma.

The following sample shows how you can make a Technology sequence part of your complete high school program, preparing you for college and leading to a Regents diploma. The Technology Education courses have been highlighted for you. Remember, you can choose from a wide array of Technology courses, based on your area of interest.

<u>GRADE 9</u>			<u>GRADE 10</u>		
	English	1 unit		English	1 unit
	Social Studies	1 unit		Social Studies	1 unit
	Math	1 unit		Math	1 unit
	Science	1 unit		Science	1 unit
	Design and Drawing for Production*	1 unit		Graphic Communication	½ unit
	Elective	1 unit		Technology Elective	½ unit
	Physical Education	½ unit		Elective	1 unit
		6 ½ units		Physical Education	½ unit
	* satisfies Art/Music Graduation requirement				6 ½ units
<u>GRADE 11</u>			<u>GRADE 12</u>		
	English	1 unit		Business Communication	1 unit
	Social Studies	1 unit		Social Studies	1 unit
	Math	1 unit		Elective	1 unit
	Science	1 unit		Technology Elective	½ unit
	Health	½ unit		Technology Elective	1 unit
	Technology Elective	½ unit		Physical Education	½ unit
	Technology Elective	½ unit			5 units
	Career Pathways	½ unit			
	Physical Education	½ unit			
		6 ½ units			



The Technology Department offers a sequence of Project Lead The Way (PLTW) courses. This program offers an accredited engineering curriculum to high school students to develop the skills necessary to succeed in college. 43 Engineering Colleges recognize success in these classes by offering credits and/or advanced placement to incoming college freshmen. These classes are all listed with the PLTW™ moniker. (**Course offerings will expand in subsequent years.)

Department	Technology				Grade Level	9-12
Course Title	PLTW Introduction to Engineering and Design				Course Code	TE343
Course Length	Full Year	Credits	One	Factor	1.06	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

The Introduction to Engineering and Design class is the first step in the PLTW™ pathway, and provides an opportunity to develop and present your creative ideas. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.



This course is part of the PLTW™ Engineering Program. College credits may be available through Rochester Institute of Technology for this course upon successful completion.

Department	Technology			Grade Level	10-12
Course Title	PLTW™ Principles Of Engineering 			Course Code	TE340
Course Length	Full Year	Credits	One	Factor	1.06
Prerequisites	Final Average of 80 or above in Design and Drawing for Production or Instructor's or Director of Technology's approval		Co-requisites	None	
Meets NCAA Requirements	No				

Course Description:

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration, and presentation. This course may also be taken for a sequence credit Technology. **This course may be taken by any student to satisfy a 1 credit in high school Math requirement. See your counselor to enroll.**



This course is part of the PLTW™ Engineering Program. College credits may be available through Rochester Institute of Technology for this course upon successful completion.

Department	Technology			Grade Level	9-10	
Course Title	Design and Drawing for Production				Course Code	TE342
Course Length	One Year	Credits	1	Factor	1.000	
Prerequisites	None		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

A great introductory tech course! The Design and Drawing for Production program provides an opportunity to use the power of the computer to assist you in developing and presenting your creative ideas. Your concepts will be enhanced to dramatically represent what originates in your mind so that they may be communicated effectively enough to be produced. You will learn to take your designs and bring them into reality by displaying them in a **Computer Aided Drawing Language** that is practiced throughout the world. This course may be taken by any student to partially satisfy the high school Art/Music requirement. It may also be taken for sequence credit in Technology. **Satisfies the NYS Art/Music graduation requirement (does not count towards Fine Art diploma distinction).**

Department	Technology				Grade Level	10-12
Course Title	Digital Photography				Course Code	TE331
Course Length	One Semester	Credits	1/2	Factor		1.00
Prerequisites	Sophomore, Junior or Senior		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

This course is designed for students who enjoy taking pictures for fun or as a possible career. Students will complete projects that will explore the technology that allows us to capture still images, manipulate them in various ways, store them and present them. *Underclassmen interested in Digital Photography are encouraged to take Graphic Communications before registering for this course.*

Department	Technology			Grade Level	9-12
Course Title	Graphic Communications – Intro to Technology			Course Code	TE330
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	None		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

Students will use the computer to learn about digital photography, photo manipulation, page layout, scanning, vector illustrations, and typography. Most projects will be designed on the computer then brought to life on t-shirts, calendars, music albums, web pages, etc. This class may be taken by any student to partially satisfy the high school art/music requirement.

Department	Technology			Grade Level	10-12
Course Title	Advanced Computer Graphics - Media Technology			Course Code	TE339
Course Length	One Semester	Credits	1/2	Factor	1.00
Prerequisites	Graphic Communications or Digital Photography or Instructor's or Director of Technology's approval.		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This course is a continuation of the Graphic Communication Intro Course. Students will continue to use and improve the skills they have learned using the Adobe programs from the intro course. They will develop new concepts and applications in the Design and Publication skills sets. In this course they will be introduced to Character Animation and Video Production. The course will help students explore the many possibilities of Computer Media and the Graphic Art.

Department	Technology				Grade Level	9-12	
Course Title	Wood Technology					Course Code	TE332
Course Length	One Semester	Credits	1/2		Factor	1.00	
Prerequisites	None			Co-requisites	None		
Meets NCAA Requirements		No					

Course Description:

Upon completion of the course, students will be able to identify and select appropriate wood species for projects. They will learn to safely operate hand, power and machine tools, turning rough lumber into finished products. Students will engage in hands-on activities, resulting in several take-home projects

Department	Technology				Grade Level	9-12
Course Title	Advanced Wood Technology				Course Code	TE333
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Final average of 80 or above in Wood Technology or Instructor's or Director of Technology's approval		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

The course is designed for detail-oriented students who have successfully completed Wood Technologies I and wish to refine their skill set using technical processes. Students will gain the skills necessary to produce high quality pieces, applying advanced joinery and inlay techniques. The resulting take-home projects will focus on forging the next step to tool and materials mastery, where old world craftsmanship meets cutting edge technology.

Department	Technology			Grade Level	11-12
Course Title	Residential Structures			Course Code	TE338
Course Length	Spring Semester Only	Credits	1/2	Factor	1.00
Prerequisites	None		Co-requisites	None	
Meets NCAA Requirements		No			

Course Description:

This course engages students in the construction side of architecture by involving them in practical work site experience. They will learn to read blueprints, estimate job costs, create material lists, and ordering materials. Basic construction techniques will be covered to include framing, roofing, foundations, installing doors and windows, and siding and trim. Students will work on a small scale version of these principles by building a project using the skills they have learned. Class size limited to 14 students

Department		Technology			Grade Level	10-12	
Course Title		Interior Design				Course Code	TE341
Course Length		One Semester	Credits	1/2	Factor	1.00	
Prerequisites		None		Co-requisites	None		
Meets NCAA Requirements			No				

Course Description:

Interior design introduces fundamental concepts and methods for planning, organizing, and arranging spaces in the interior environment. Students will examine space in terms of human needs and desires. Utilizing the design process to develop the best use of space. Students will utilize 2D and 3D design programs as a visual aid and design tool. Students will use production equipment to develop prototypes of design solutions created in class.

Department	Technology				Grade Level	9-12
Course Title	Basic Electricity				Course Code	TE336
Course Length	Fall Semester	Credits	1/2	Factor	1.00	
Prerequisites	None		Co-requisites	None		
Meets Requirements	NCAA	No				

Course Description:

This class will introduce students to what electricity is and how it can be safely used. Projects and topics will cover the areas of Resistance, Voltage, Current, Printed Circuits, and Common Electrical Components. House wiring techniques will also be explored. This class will help students experience the job of Electricians and Electrical Engineers.

Department	Technology			Grade Level	9-12	
Course Title	Fundamentals of Cabinetry				Course Code	TE 335
Course Length	One Semester	Credits	1/2	Factor	1.00	
Prerequisites	Final average of 80 or above in Wood Technology		Co-requisites	None		
Meets NCAA Requirements		No				

Course Description:

Fundamentals of Cabinetry launches students into the exciting and profitable world of cabinet making and custom furniture design. The course provides opportunities for practicing new woodworking skills and experiencing hands-on learning through materials processing, joinery and trimwork. The results of student participation may include gaming cabinets, jewelry chests and custom-built box construction.

Department	Technology				Grade Level	9-12	
Course Title	Winners Circle: Automotive Build					Course Code	TE344
Course Length	Full Year	Credits	1	Factor		1.00	
Prerequisites	None		Co-requisites	None			
Meets NCAA Requirements		No					

Course Description:

Students are responsible for building a Factory Five vehicle from start to finish in one school year. Using a Ford V-8 engine and standard transmission students will learn the technical knowledge and skills on how to assemble a car including: fuel systems, brake systems, complete electrical system, interior assembly, suspension and steering and metal fabrication. Students will also learn the proper use of tools and safety for building a car. Students who complete this course will have a solid foundation of job skills that include; project management, teamwork, communication and critical thinking. Students will be graded on the design, execution, safety, performance and presentation of the finished car. Embedded within the course is the Pathways to Success curriculum.

Department	Technology				Grade Level	9-12	
Course Title	Winners Circle: Visual Communications					Course Code	TE345
Course Length	Full Year	Credits	1	Factor		1.00	
Prerequisites	None			Co-requisites	None		
Meets NCAA Requirements		No					

Course Description:

The Visual Communication course is a one-of-a-kind opportunity for students to develop a wide range of skills that will prepare them for navigating through the world of content creation and digital citizenship. Throughout the year, participants will have the chance to learn about visual and digital communication by creating logos for their race team, writing content for social media pages, and shooting and editing photos and video for distribution. The course also places a strong emphasis on outreach and brand awareness, giving students the chance to shape a real communication campaign for their racing team.

Students will learn how to effectively engage and communicate with diverse audiences. Working on storyboard creation will culminate in a commercial for end of the year championship competition. This part of the course partners with Marketing to equip students with the knowledge of how to use visual content effectively to attain desirable outcomes of the project. Embedded within the course is the Pathways to Success curriculum.

Department	Business				Grade Level	9-12	
Course Title	Winners Circle: Marketing					Course Code	BU301
Course Length	Full Year	Credits	1	Factor	1.00		
Prerequisites	None		Co-requisites	None			
Meets NCAA Requirements		No					

Course Description:

The Marketing course blends theory and practice to prepare students to successfully face challenges in today's diverse and dynamic marketplace. The course begins by exploring the importance of understanding the audience – who is the audience and what is important to them – and continues with sessions that help to build relationships with identified audiences and inspire these audiences to say “yes” to students’ calls-to-action. Concepts are explained and then practiced, using real-world initiatives that both illustrate the concepts and provide opportunities for students to see the concepts in action.

While the learning objectives support the program’s fundamental goal of marketing a student-built vehicle, the skills developed can easily transfer to any industry as they are the foundation for stimulating demand with persuasive communications and building and sustaining profitable customer relationships. The course is an opportunity for students to explore marketing as a profession, including hands-on opportunities to develop skills in writing, design, media relations, advertising, and public relations – all necessary for traditional and digital communication channels. Embedded within the course is the Pathways to Success curriculum.

Pathways to Success: *This curriculum is about the life skills that are relevant to success at home, at school, with peers and on the job. It is designed to increase students' awareness of who they are and who they are aiming to become. Pathways to Success emphasizes defining personal values, goal-setting, planning and stress management. The curriculum is organized into nine instructional units that focus on dealing with media and peer pressure, communication and relationships, working with others and networking, avoiding and/or resolving conflict, decision making, overcoming obstacles, wellness, and how students can contribute to their community. This curriculum is utilized to support the WCP Automotive Build, Marketing, and Visual Communication classes.*



DUTCHESS BOCES CAREER AND TECHNICAL INSTITUTE – (CTI)

DUTCHESS CAREER AND TECHNICAL INSTITUTE (BOCES): The Hyde Park Central School District offers students in grades 11 and 12 an opportunity, through the Board of Cooperative Educational Services, to participate in a variety of Technical Education Programs. Students attend the BOCES program at the Dutchess Career and Technical Institute (CTI) for one-half the school day, (morning or afternoon) and spend the remainder of the day at the high school. To apply for this program, students must consult their counselor. Students in grades 9 and 10 will only be considered on a special needs and space availability basis. A detailed course description guide for all vocational programs is available in the Franklin D. Roosevelt High School Guidance office.

A potential BOCES applicant must be of junior status and be able to graduate in two years. A BOCES application must also be filed in the Guidance Office by April 1 for both first year and returning students. Additionally, all applications will be reviewed by an Administrative Committee for determination of BOCES placement based upon a combination of established criteria including school progress, student disciplinary records, attendance, etc. All first year BOCES student progress will be reviewed to determine appropriateness for continuation for the second year of study. A visitation to BOCES CTI is also required for all potential applicants.

The Board of Cooperative Educational Services (BOCES) offers services for which our school board contracts. Courses carry three and four units of credit toward high school graduation. Additionally, CTI offers a Career Exploration course for students in 10th and/or 11th grade who are classified with disabilities pursuing a CDOS Credential or Regents Diploma.

PLEASE NOTE: If any BOCES Courses are started or continued after graduation, the tuition is the responsibility of the student.

DUTCHESS BOCES CAREER & TECHNICAL INSTITUTE **2024-2025 COURSE OFFERINGS**

All of our programs offer students the opportunity to gain basic entry level career skills as well as the skills necessary to enter a College or Technical school.

Please note that CTI Courses are not currently National Collegiate Athletic Association (NCAA) approved.

Agriculture

Careers in Animal & Plant Sciences I & II - Students will develop an understanding of the diverse and profitable fields of Agriculture. A variety of topics are covered including plant and animal biology and technology, food science and safety, wildlife management and environmental conservation, agricultural research, college and career exploration. This program emphasizes hands-on experiences with on-site projects, guest visitors, work placements and related field trips to businesses, organizations, colleges and industry events. Students have the option of choosing the animal or plant track in their second year.

Architecture & Construction

Construction Trades I & II - This program includes coursework in building construction, finish carpentry, masonry, plumbing and basic electricity. Students will be introduced to the tools, methods, and skills needed to gain entry level employment in the construction industry.

Electrical Construction Technology I & II - This program provides students entry level skills in construction electricity. Courses emphasize job safety, electrical theory, electrical calculations, work ethic, proper tool use and exposure to professional opportunities within the trade. First year focus is on residential installations, followed by second year directed at commercial and industrial installations. Students must provide hand tools and codebook.

HVAC I & II - Students learn to install, repair and maintain residential and commercial heating and cooling systems. The program integrates shop operations, job planning and estimating, troubleshooting and installation, maintenance skills, customer service, professionalism, and appropriate work ethic. Students will also be taught how to function as professional trade technicians, leading to future employment opportunities.

Welding & Fabrication I & II - The Welding and Fabrication course is a program geared toward entry level welding and fabrication using various welding techniques on carbon, stainless steel, and aluminum. The first year welding program provides students with the safety knowledge and skills to work in a shop environment both safely and efficiently preparing them for the second year and completion of the program. The second year welding program will provide students the advanced skills and confidence needed to join the welding workforce, including resume writing and job interview preparation.

Arts, Technology & Communication

Graphic Design I & II - Students will be given the opportunity to explore the exciting world of Graphic Arts, Graphic Design, and Multimedia Arts. Students enrolled in this program will develop skills and workplace competencies while exploring the many facets of communication careers. Students use a hands-on learning approach where the emphasis is placed on problem solving skills and communication techniques and processes.

TV/Film Production I & II - This course is an introduction to the field of film and video production. It familiarizes students with the basic principles, theories and techniques in video production. Students will construct storyboards, write scripts, direct shoots, and edit their own projects using equipment provided by the CTI.

Education & Training

Early Childhood Education I - This program provides students with an understanding of the physical, social and mental development of children ages birth to eight. Students will participate in off-site classroom internships.

Early Childhood Education II - This program prepares students to work under the general supervision of a licensed Teacher. Students will cover a range of topics related to pedagogy. Early Childhood Education is recommended prior to Early Childhood Education II

Health Sciences

Introduction to Health Occupations - This one-year course is recommended during the student's junior year and includes core competencies specific to the Health Occupations. Students will be given an opportunity to explore various health care fields. Introduction to Health Occupations is strongly recommended before taking the Nursing Assistant (CNA) course. This class now offers the **Home Health Aid (HHA) credential** within the course. The HHA component will focus on the care and monitoring of people with disabilities or chronic illness to assist them with daily living activities. This is a 90 hour credential which includes 15-30 hours of supervised off campus experience. Second year option is the Nursing Assistant program.

Nursing Assistant - This one-year course for seniors introduces the student to the foundation skills necessary for the study of Nursing. Successful students qualify to take the CNA exam. Successful completion satisfies the health requirement for high school graduation. No academic pullouts available for this course. Important Notes: Introduction to Health Occupations is strongly recommended before taking Nursing Assistant; work maturity skills essential to success in the Nursing Assistant program.

Hospitality & Tourism

Culinary Arts /Restaurant Management I & II - This program for juniors and/or seniors introduces the student to skills in food preparation, baking and pastry arts, safety and sanitation, and culinary hospitality.

Marketing, Sales & Service

Cosmetology I & II - This is a two-year program. Students learn the care of hair, nails and skin. **Good attendance is essential.** Students who successfully complete the program with at least 1000 hours are eligible to take the New York State cosmetology license exam. No academic pullouts are available for this class. Successful completion of this program will require students to complete off-site internships.

Fashion Design & Merchandising I & II - Students in the Fashion Design & Merchandising program gain insight into the fashion and merchandising fields through work in an authentic fashion design setting at the Career & Technical Institute. Supported by state-of-the-art equipment, the curriculum covers such topics as the design and construction of apparel, the study of fabric and color, fashion history, and fashion illustration, as well as jewelry and accessory design.

Information Technology

Computer Networking - This class is designed to provide the student with the technical knowledge required to obtain an entry level job in the field of computer network installation and maintenance. Students will also be prepared to take the Networking Pro Certification Exam. While Computer Hardware Technology is not required as a prerequisite, basic knowledge of the workings of computers will make this class more accessible.

Computer Hardware Technology - (Formerly called A+ Computer Repair.) This class is designed to provide the student with the technical knowledge and skills required for an entry-level position in the information and computer technology career field. Additionally, students will be prepared to take the PC Pro Certification Exam.

Law and Public Safety

Security & Law Enforcement I - The first year of the program is designed as an introduction to the field of criminal justice, covering the components of the criminal justice system (police, courts, corrections), the interactions of these components through the steps in the criminal justice process, as well as the constitutional requirements of due process of law. Students will become familiar with the law, specifically the New York State Penal Law, the Criminal Procedure Law, and the Vehicle and Traffic Law. Students will also be exposed to controversial topics, such as search and seizure, use of force and police defensive tactics. Students will receive a realistic introduction to the popular subject of crime scene investigation. Students will finish the year by demonstrating their knowledge and skills through realistic scenario-based training.

Security & Law Enforcement II - The second year of the program begins with an introduction to criminology, including crime reporting, theories of crime and crime causation. After a brief examination of juvenile delinquency, the focus of the program shifts heavily to the investigation of various types of crimes. Finally, the emphasis of the second year leads to the field of security, including terrorism, threat assessment, as well as crime prevention. Students will have the opportunity to complete training and obtain certifications in CPR and First Aid, an Introduction to the National Incident Management System, an Introduction to the Incident Command System, and both the Pre-Service (8-hour) and In-Service (16-hour) New York State Security Guard Training.

Transportation, Distribution & Logistics

Automotive Technology I & II - This is an exploration of various segments of the automotive field, including in the second year, electronics, on-board computers, OBD I & II, transmissions, drive line and clutches, and engine service.

Small Engine Technology I & II - This program offers students entry level skills in small engine operation, maintenance, and repair. Second year students will focus on the operation, maintenance, and repair of lawn/garden equipment and recreational vehicles.

Related Academics

Career Literacy (CTE English) - All programs offer .5 credit per year in high school English.

Integrated/Specialized Science and Math - as indicated.

For more details on our programs, please visit our website www.dcbores.org/CTI

COLLEGE BRIDGE PROGRAMS

MARIST BRIDGE PROGRAM

Marist College offers a Bridge program to qualified high school students. The purpose of this program is to provide college experience and credit while completing high school graduation requirements. Students opting for this program will apply through their school counselor and Marist College will make final determination of acceptance in May. The cost for a maximum of 18 credits is 1/2 of Marist tuition rate. Minimum requirements after acceptance by Marist include two subjects approved by Marist at F.D.R. (usually English and Physical Education) and at least three college courses at Marist. If you are interested in more complete information, please see your school counselor.



MARIST COLLEGE/F.D. ROOSEVELT H.S. – COLLEGE PROGRAM

This program allows high school students to earn college credit while completing high school course work. This year, the following courses qualify for Marist credit - Pre-Calculus (3 credits), Calculus (3 credits), AP Calculus (3 credits), AP Statistics (3 credits), English 12 AP English Literature (6 credits), and AP European History (3 credits). A \$300.00 fee is charged for each three-credit course.

PLEASE NOTE: ALTHOUGH MANY COLLEGES ACCEPT THESE COURSES AS TRANSFER CREDITS, THERE ARE SOME COLLEGES THAT DO NOT RECOGNIZE COLLEGE COURSES TAUGHT AT THE HIGH SCHOOL - ONLY ON-CAMPUS COURSES. PLEASE CHECK WITH THE COLLEGE YOU WISH TO ATTEND.

DUTCHESS COMMUNITY COLLEGE

Dutchess Community College also offers opportunities for qualified high school students to register for college courses. Please see your counselor for more information. F.D.R. course offerings which qualify for Dutchess Community College credit are DCC English 101, 102, DCC Social Problems, DCC Government, DCC Economics, Spanish IV, and French IV. Prior approval is required from Dutchess Community College and enrollment in these courses for college credit requires the payment of a tuition fee to Dutchess Community College.



BARD EARLY COLLEGE HUDSON VALLEY:

Bard College provides 11th and 12th grade students the opportunity to take eight college-level courses (2 per semester) culminating in college credits while attending high school. Bard College credits are transferable upon admission to Bard, most programs within the SUNY and CUNY systems, and many other private and public colleges around the country. The program is structured in a manner that allows participants to attend their high school in the morning and then attend Bard classes in the afternoon. Core courses in the humanities and history taught by Bard professors meet New York State requirements in English and U.S. History and prepare students for the Regents exams. If you are interested in more complete information, please see your School Counselor.

COURSES OFFERED:**Bard Seminar (3 credits per semester)**

The first year students are enrolled at Bard Early College, one of their courses would be Seminar, the signature humanities experience of Bard's early college programs. The interdisciplinary Seminar sequence exposes students to seminal texts from antiquity to modernity, which students engage with through critical reading and interpretation. Readings are drawn from sources such as Plato's *The Last Days of Socrates*, Dante's *Inferno*, Machiavelli's *The Prince*, Shakespeare's *Hamlet*, Goethe's *Faust*, and Darwin's *The Origin of Species*. Read alongside more contemporary pieces related to issues such as race and gender, each semester in seminar students explore an essential question such as "What does it mean to be human?" The course is both reading- and writing-intensive and is often used to meet first-year requirements in Western civilization, humanities, English composition, and related areas upon transfer to four-year institutions. The emphasis is on students developing college-level reading and writing skills.

A Survey of U.S. History (required for all juniors, 3 credits)

This year-long history sequence provides students with the breadth of knowledge they need for the U.S. History Regents while maintaining the rigor, standards, and seminar format of a Bard College history course. Students are taught how to think like historians about our nation's past, engaging with history through formal and informal debate, the close interpretation of primary documents, and other activities that make them active participants in constructing historical understanding.

ADDITIONAL COURSES EXPECTED TO BE OFFERED (subject to change):

The Art and Craft of Fiction (seniors, 3 credits)

The Art and Craft of Memoir (seniors, 3 credits):

The Environment and Disease (seniors, 3 credits)

Introduction to Psychological Science (seniors, 3 credits)

Understanding Art: An Introductory Survey of Western Art History, Ancient through Baroque: (seniors, 3 credits)

Voices for Social Justice (June capstone course, seniors, 1 credit)



Bard College

ADDITIONAL INFORMATION

ACADEMIC INTERVENTION SERVICES (AIS):

Every school district in the State of New York is required to provide Academic Intervention Services for its students. These services include supplemental instruction and/or student support services provided in the general curriculum and designed to assist students in meeting the State Learning Standards. Academic Intervention Services are intended to assist students who are at risk of not achieving the State Learning Standards in English/Language Arts, Math, Social Studies, and Science *and* who are at risk of not gaining the knowledge and skills needed to meet or exceed designated performance levels on State assessments.

ACCELERATED COURSES AT HAVILAND MIDDLE SCHOOL:

The following courses are accelerated and students can earn one unit of high school credit by successfully passing the associated regent exam prior to June of the ninth grade year: 8th Grade Algebra I and Regents Living Environment. If any course is repeated at Franklin D. Roosevelt High School, no additional unit of credit will be awarded for the course attended at Haviland Middle School. Successfully passing French 7 & 8 or Spanish 7 & 8 and the locally developed LOTE exam also earns one (1) High School level credit.

ADVANCED PLACEMENT:

Advanced Placement Courses are taught as college level courses in content and style. Upon completing the course, the student is expected to take the appropriate Advanced Placement Examination offered at our high school by the College Board in May for a fee of approximately \$87. The College Board fee-waiver service assists qualified, economically disadvantaged students who plan to take the:

- AP Exams
- SAT Reasoning Test

Please see your counselor for more information.

Roosevelt High School offers advanced placement courses in the following content areas:

Biology	Environmental Science	Psychology
Calculus AB	European History	Spanish
Chemistry	French	Studio Art
Computer Science	Music Theory	United States History
English Literature	Physics 1 & Physics 2	Statistics

ATTENDANCE:

Regular daily attendance to school is considered paramount to insure a most successful and rewarding High School career. Attendance is taken daily in homeroom, and every period throughout the day. Students who are late or absent are expected to provide the Attendance Office with an explanatory note on their arrival or return to school.

CLASS RANK:

Class rank is calculated using weighted grades. The rank is provided for seniors at the end of the first semester of their senior year and/or is inclusive of seven semesters. Courses taken at college campuses are not included in the rank.

COURSE OFFERINGS:

Courses in all departments will only be scheduled if there is available staff, room, and sufficient student registration.

CREDIT:

Credit, as a general rule, is a value given to a particular subject. One credit is earned for study in a subject held five periods a week for 40 weeks. One-half credit is awarded for subjects that meet for one-half year or 20 weeks.

CREDIT BY EXAMINATION:

A student enrolled in grades 7-12 may earn a maximum of 6 1/2 units of credit for either a diploma without completing units of study for such units of credit if:

1. She/he has earned a cumulative average of 85% or better in that discipline at the time of normal final exam administration (Jan. or June); or in the absence of cumulative grade average records, an equivalent assessment may be made by other means.
2. Students must make a written request for consideration to exercise this alternative from the building principal not earlier than fifteen weeks or later than ten weeks prior to the normal final exam test administration (January, June, or August). At the time of said request, the student should be maintaining at least an 85% average in that discipline and be attending school regularly.
3. The building principal or director, as the superintendent's designee, determines whether or not the student will benefit academically by exercising this alternative.
4. On approval of the principal or director, the student must pass an oral examination or successfully complete a special project to demonstrate proficiency consistent with the goals and objectives of that course and/or the course work embraced by multi-unit comprehensive examinations.
5. The student achieves a score of at least 85% or its equivalent on a state developed or state approved examination.
6. For art and/or music, this alternative may be exercised only in exceptional situations that involve pre-approved out-of-school art or music activity. Credit for participation shall be upon recommendation by the student's art or music teacher, shall be approved by the art or music department director, and by the school principal, and shall be consistent with the goals and objectives of the school's art and/or music program.
7. The course credit option does not apply to the required half unit of Health education.

DOUBLING OF COURSES:

The doubling of sequentially developed courses is only permitted with administrator approval.

DROPPING COURSES:

Careful planning and thorough research of course content and purpose by the student should negate the need for change from selected courses. Should a drop occur after the beginning of the school year or term, the student's record will show he/she was enrolled and his/her standing at the time of withdrawal. No guarantee can be offered that a replacement course will be available to replace the one dropped.

- a. Students registered for a full year course (40 weeks) must drop or change that class before the end of the first quarter.
- b. Students registered for a one-semester course (20 weeks) must drop or change that course before the end of the first 5 weeks of the course.

If a change in classes is proposed, processed, and approved, the academic standing (grade) of the student will be indicated on the student's report card, permanent record, and all official transcripts.

Class Withdrawals – Students dropping classes after two weeks from the starting date will receive a drop pass (DP), or drop fail (DF). The DF or DP grade will be indicated on the student's report card, permanent record, and all official transcripts.

GRADE AVERAGE SYSTEM:

Grades will be calculated based on a 4 quarter average. In courses requiring a midterm, the midterm will be factored into the 2nd quarter grade. In courses requiring a final, other than the Regents, the final exam score will be factored into the 4th quarter grade. The midterm & final will not exceed 10% of the appropriate quarter grade.

HONOR ROLL:

Students with an overall weighted average of 90 or better qualify for the honor roll. Incomplete and drop/fail grades automatically exclude students from the honor roll.

HONORS COURSES:

These courses are designed not only to cover the regular curriculum, but they are also organized to challenge the student by providing an intensive study of the subject area. Therefore, these courses are for students whose past achievement suggests that they are interested in and capable of doing work above the Regents level of difficulty.

Honors courses have specific criteria attached to them. Students must meet all the criteria in order to enroll.

NCAA CLEARINGHOUSE:

If you intend to participate in Division I or II athletics as a college freshman, you must register and be certified by the NCAA Clearinghouse. Registration forms and accompanying brochures are available in the Guidance Office. It is recommended that the registration form be forwarded to the Clearinghouse no later than the beginning of your senior year. Students must also register for SAT exams and submit scores to the Clearinghouse. You can also check out www.ncaa.org/eligibility/cbsa for more information.

STANDARDIZED TESTS:

Throughout a student's high school experience a series of standardized tests is available that helps to determine their aptitude and ability. The Counseling staff endeavors to discuss test interpretation with students and parents.

PSAT-NMSQT: (One combined test) - October, Grade 10 or 11

The Preliminary Scholastic Aptitude Test is a shortened SAT for practice purposes and also used for National Merit and local scholarship competition - optional, but strongly encouraged.

ACT and **SAT:** -

- a. **The SAT and ACT Tests** are separate tests taken by students planning to apply to two or four year colleges. They may be used by early decision applicants, by students visiting colleges in the summer before their senior year or for counseling in the college selection process. Students should check individual admission criteria to see if SAT or ACT tests are required.
- b. SAT - Scholastic Aptitude Test used for college admission. Spring, Grade 11; Fall, Grade 12
- c. **ACT: - American College Testing** - Grades 11 & 12 - A test used for admission by some colleges, and is offered five times during the year.

STUDENT STATUS:

Students at F.D.R. earn their diplomas by acquiring sufficient credits to graduate. During summer vacation, all student records will be reviewed. Students who have earned insufficient credits to move ahead with their classmates will be kept at their current grade level. The class you will be registered in will depend on credits earned as follows:

Senior	14 credits
Junior	10 credits
Sophomore	5 credits

SUBJECT CREDIT LOAD FOR STUDENTS:

All students in the 9th, 10th, and 11th grades must take a minimum of five subjects plus physical education throughout the school year.

WEIGHTING:

Courses taken at F.D.R. High School are weighted by level of difficulty. This weighting factor is used to determine rank in class. Students are given ranking information in their senior year.

STUDENT NAME: _____
 Date(s) of Review: _____
 Reviewed By: _____

GRADUATION REQUIREMENTS

SUBJECT	9	10	11	12	REGENTS DIPLOMA	ADVANCED REGENTS DIPLOMA
English					4	4
Social Studies					4	4
Mathematics					3	3
Science					3	3
LOTE					1	3
Physical Education					2	2
Health					1/2	1/2
Art and/or Music					1	1
Electives					3 1/2	1 1/2
TOTALS					22 units	22 units

 Student's Signature

 Parent's Signature

Regents Exams:

English	Math

Science	History	Plus 1

TELEPHONE DIRECTORY

**FRANKLIN D. ROOSEVELT HIGH SCHOOL
845-229-4020**

Administrators:

Michael Ruella.....Principal
Daniel Cowan.....Assistant Principal
Jamie Weiss.....Assistant Principal
Sara Moy.....Assistant Principal

Counselors:

Elise Morelli
Monique Jenkinson
Sadiki Kitson
Rebecca Moore
Katherine Denmead

**HAVILAND MIDDLE SCHOOL
845-229-4030**

Administrators:

Eric Shaw.....Principal
Tiffany Walton-Henry.....Assistant Principal
Josephine Wilber.....Assistant Principal

Counselors:

Linda Boughton
Claire Hathaway
Jamie Myers

DISTRICT DIRECTORS

Jennifer Criser-Eighmy, Director of Humanities.....229-4000x1810
Beth Fletcher, Director of Health, PE & Athletics.....229-4020x6881
Melinda DiMaio, Director of Fine & Performing Arts.....229-4020x6825
Kim Knisell, Director of Math & Science.....229-4000x1811
Joanna Murphy, Director of Special Education.....229-4050x1611
Malissa Reeder, Director of Guidance.....229-4000x1620
Richard Wert, Director of Technology.....229-4000x1411