

WINTHROP HIGH SCHOOL



2025-2026
COURSE CATALOG

TABLE OF CONTENTS

SCHOLASTIC INFORMATION	3
GRADUATION REQUIREMENTS	5
SUMMER SCHOOL GUIDELINES	5
COURSE LEVELS	5
GRADE REPORTING	7
HONOR ROLL	8
GRADE POINT AVERAGE AND RANK IN CLASS	8
GUIDANCE SERVICES	9
POST SECONDARY PLANNING	9
COLLEGE ADMISSION REQUIREMENTS	10
COLLEGE ENTRANCE EXAMINATIONS	10
DUAL ENROLLMENT	11
EQUAL OPPORTUNITY	11
COURSE SELECTION	12
COURSE SELECTION CHANGES	12

COURSE DESCRIPTIONS

ART / MUSIC / PERFORMING ARTS	14
BUSINESS / COMPUTER TECHNOLOGY / MEDIA	17
ENGLISH LANGUAGE ARTS	18
MULTILINGUAL LEARNER	24
MATHEMATICS	26
PERSONAL WELLNESS	34
SCIENCE	36
SOCIAL STUDIES	41
SPECIAL EDUCATION	45
WORLD LANGUAGE	49

SCHOLASTIC INFORMATION

Winthrop High School Mission Statement

With a spirit of shared responsibility and purpose among students, faculty, parents and administration, Winthrop High School is dedicated to providing each member of its diverse student body the opportunity to achieve academic excellence. We believe that all students possess the capacity to learn, and that each student is a valued individual with unique physical, social, emotional and intellectual needs. Our enduring commitment to student learning fosters a safe and stimulating environment in which students explore their educational and post-secondary goals. With a student-centered approach, we actively engage our students in developing their critical thinking, problem-solving and communication skills. By encouraging our students to become confident, self-directed, life-long learners, we seek to connect their personal growth to academic excellence.

Winthrop High School Student Expectations

Lifelong Learning

- Technology
- Core curriculum
- Full potential

Critical Thinking

- Demonstrate integrated knowledge
- Apply various learning strategies
- Problem solving
- Practice analytical decision making

Communication Skills

- Listen effectively
- Speak effectively
- Read effectively
- Write effectively

Citizenship

- Understand how a society functions
- Develop a commitment to responsible citizenship
- Make effective ethical and philosophical judgments
- Demonstrate effective self-discipline and self-reliance

Winthrop High School will:

- ✓ provide required courses, electives and adequate sections of such to meet the student performance expectations.
- ✓ develop and utilize authentic assessments of student performance.
- ✓ incorporate a variety of teaching strategies to meet the needs of students' diverse learning styles.
- ✓ provide a variety of co-curricular activities and programs in academics, athletics, and the visual and performing arts.
- ✓ provide sufficient teaching and support staff necessary to meet the needs of the student body.
- ✓ establish and maintain a safe, educationally stimulating environment.
- ✓ encourage a high level of professionalism among the faculty through in-service training programs, professional development opportunities and continuing education courses.
- ✓ strengthen the partnership between the school and the home to reinforce the rigorous policy for student attendance and punctuality.
- ✓ provide current textbooks and all necessary supplies and equipment.
- ✓ stress high expectations in academics, athletics, social conduct, and personal ethics, which will foster respect, decency and trust within the school.
- ✓ establish and maintain consistency in enforcing the discipline code.
- ✓ encourage and welcome community involvement in school policy and school programs.
- ✓ make the school available for community use pursuant to school policy.
- ✓ encourage effective communication among students, faculty, administration and parents.

GRADUATION REQUIREMENTS

Parents/guardians of seniors will be notified at least ten days prior to graduation that a student has not fulfilled his or her graduation requirements. Any student who does not fulfill graduation requirements will be omitted from graduation exercises.

COMMUNITY SERVICE GRADUATION REQUIREMENTS

All students must complete 15 hours of community service per year outside of the school day for a total of 60 hours by the end of senior year.

SUMMER SCHOOL GUIDELINES

Students who do not earn the credits required for graduation and/or do not meet course requirements for graduation may make up the deficient credits or course(s) by successfully completing a summer school program approved in advance by the administration, if the course grade is above a 45. In order to receive credit, this course must be taken in the summer immediately after the school year in which the failed course was completed.

Ten (10) credits is the maximum that any student may earn during the summer. In order to have a summer school course accepted for make-up, a student must be sure to check with guidance or administration. This approval may only be granted when the student has earned a minimum final average of 45% in the subject that he or she wants to make-up. In order to receive credit, this course must be taken in the summer immediately after the year in which the course was completed. A list of acceptable summer schools and their course offerings is available in the guidance office. The EDGENUITY Credit Recovery Program is used at Winthrop High School as part of the summer school program.

COURSE LEVELS

The primary goal of Winthrop High School is to ensure that all students are engaged in a rigorous and meaningful course of study that guides them toward post-secondary higher education, technical training or employment and prepares them for full participation as citizens in a democratic society. To facilitate the learning process for all students and to provide an environment, which would lead to academic success, courses are offered at various levels of ability. High standards and expectations are set for all students.

AP *Advanced Placement*

The [Advanced Placement Program](#) is developed by The College Board to help students earn college credits in high school and may be used for college course placement or credit. These courses are available to sophomores, juniors and seniors. Students who complete these courses must take the AP Exams in May. A nonrefundable test fee of approximately \$94.00 must be paid upon entrance into the class, as well as purchase the text. Extremely demanding and fast paced, AP classes require extensive homework. These courses are intended for those

few exceptional students who can achieve college level work in high school, have a high degree of academic skills, are able to absorb a large amount of information quickly, and are highly motivated. **AP courses must be dropped no later than October 1.**

ACC *Accelerated Honors (Mathematics courses only)*

Accelerated courses are tremendously demanding, rapidly paced, intellectually demanding comprehensive courses, providing an extensive preparation for college level AP courses in high school. Students are expected to possess, develop and enhance their critical thinking capabilities by connecting several concepts from multiple perspectives. Students must be able to sustain a substantial level of high quality effort and work product. Students enthusiastically engage in independent review, cooperative practice and investigative discovery of past, present and future topics. Course work requires students to move at a vigorous intellectual pace and to possess outstanding skills in reading, writing, computing, analysis, comprehension and aptitude in the core subject and related areas. Students will diligently perform and verify the accuracy of course homework; hence, are expected to spend 1.5 to 2 times the amount of time on homework compared to the honors level student.

H *Honors*

Honors courses are designed to be demanding courses, providing an intense investigation of the subject matter. Students are prepared for rigorous programs in four-year colleges and are expected to perform a significant amount of original and independent work. Course work requires students to move at a brisk intellectual pace and to possess outstanding skills in reading, writing, computing, analysis, comprehension and aptitude in the subject area, as well as the ability to deal with abstract concepts.

CP *College Prep*

College Prep courses are designed to provide the basis for rigorous college work. Students are expected to develop high-level writing skills, math analysis, reading comprehension, and high-level critical thinking skills.

S *Standard*

Standard courses are, for the most part, elective in nature, spanning interest in most subject areas, and provide an opportunity for students to explore new areas of interest. This includes all Physical Education, Health, Developmental, LifeSkills and Academic support classes. These courses are not weighted toward a student's GPA.

GRADE REPORTING

The purpose of grading and reporting procedures is to evaluate student growth and progress in relation to the curriculum and to provide a report of this academic growth for the student. Academic success and achievement in high school results from regular attendance in school and class, mastery of skills, participation in class, completion of homework and independent study, extra help, determination and conscientiousness. Academic progress reports are given to students who are having academic difficulties in their classes, which may result in course failure at the midpoint of each marking quarter. Formal reports cards are prepared at the end of each marking quarter.

A five point (A-B-C-D-F) marking system is used with plus and minus distinctions. Academic achievement grades are assigned to students on the following performance standards:	
A	Student demonstrates outstanding work, which is neat, accurate and thorough. Student is self-reliant, faithfully completes projects and makes up work missed. The student contributes to class discussions and expresses himself/herself clearly. Student ranks in the 90-100% range in tests, quizzes, projects and final examinations.
B	Student demonstrates good work. Student has the qualities of the "A" student in slightly less degree. Student ranks in the 80-89% range in tests, quizzes, projects and examinations.
C	Student demonstrates fair work. Student ranks in the 70-79% range in tests, quizzes, projects and final examinations.
D	Student demonstrates poor work, but meets the minimum requirements of the course. Student ranks in the 60-69% range in tests, quizzes, projects and final examinations.
F	Student demonstrates sub-standard work and is not passing the course. Student is below the expected average in the mastery of the competencies and mechanics of the course. Student may have failed to satisfactorily complete work missed. Student ranks in the 0-59% range in tests, quizzes, projects and final examinations. No credit is earned for the course. If a student has a grade in the range of 45-59, the student may repeat the course in summer school. Courses with grades below 45 cannot be repeated during summer school.

THE ABOVE ALPHA GRADE CATEGORIES ARE BROKEN DOWN AS FOLLOWS:					
A+	98 - 100	B	83 - 87	C-	70 - 72
A	93 - 97	B-	80 - 82	D+	68 - 69
A-	90 - 92	C+	78 - 79	D	63 - 67
B+	88 - 89	C	73 - 77	D-	60 - 62

REPORT CARDS

Report cards are issued to students at the end of each marking quarter. It is the responsibility of each student to take the report card home and share it with his/her parent or guardian. In June the final report card is published in iPass to the parents/guardian, or will be notified to pick up report cards.

HONOR ROLL

The honor roll is published four times per year. For High Honor Roll, a student must have earned all As and no more than one B. For Honor Roll, a student must have earned all As and Bs.

GRADE POINT AVERAGE & RANK IN CLASS

Grade Point Average (GPA) and Rank in Class are calculated two times a year and are based upon the first semester and second semester final grades. The final grades for the year are used to determine the cumulative GPA and Class Rank for all years of attendance at Winthrop High School.

A student's Grade Point Average is calculated based upon grades earned in College Preparatory, Honors, Accelerated, and Advanced Placement courses. The College Preparatory courses are graded on the 4.0 scale, while grades for the other course levels are given an additional weight.

COURSE LEVEL FACTORS				
	COLLEGE PREP	HONORS	ACCELERATED	ADVANCED PLACEMENT
A – 100-90	4.0	4.5	4.75	5.0
B – 89-80	3.0	3.5	3.75	4.0
C – 79-70	2.0	2.5	2.75	3.0
D – 69-60	1.0	1.5	1.75	2.0
F	0.0	0.0	0.0	0.0

The GPA and class rank are requested by most colleges and are indicated on the student's junior and senior year college transcripts. For graduation, all awards, scholarships and selection of valedictorian and salutatorian are based upon the first semester calculation of a student's cumulative class rank. Also, in order to be eligible for official class status, a student must be a member of Winthrop High School for at least one year. Transfer grades from another school **are not** included in the GPA calculations.



GUIDANCE SERVICES

The Guidance Department works together and collaborates with the school's faculty in guiding the academic and social development of each student. Our team approach is to view the whole student as both an evolving individual and as a learner and to help our students prepare themselves for life.

All 9th grade students will be assigned a guidance counselor and will work with that counselor for the duration of the school year. All 10th, 11th & 12th grade students will be assigned a counselor alphabetically and will work with the same counselor until graduation. Counselors meet with students to help them plan course selections and to make post high school plans. Students will learn what is important in the employment and college application process and complete appropriate post-secondary institution applications. Parents are also encouraged to consult with members of the guidance staff with respect to their child's program. Guidance information may be found on the high school website, where relevant guidance information, scholarship information, important dates and upcoming events relative to guidance issues are posted. Students are also encouraged to visit their counselor for social/emotional concerns or issues.

POST SECONDARY PLANNING

Freshman and sophomore students are placed in honors or college preparatory classes, providing all students a solid academic background enabling them to pursue higher education. Students are advised to visit the guidance office early in their high school years to familiarize themselves with the resources available for college planning and career exploration. Sophomores and juniors are encouraged to begin gathering information on colleges and universities, and to plan college visits during their spring and summer vacations. In addition, they should think about areas of study they find interesting or subject areas that come easily to them, as this may provide insight to a possible field of study at the college level.

During the senior year, students should begin putting together their college application materials in early fall; requesting letters of recommendation and beginning to fill out applications. If students are applying early-decision, there are deadlines as early as November 1. Students should anticipate filling out several applications to a range of schools. Students should also arrange to attend informational meetings with college Admission Counselors and/or Armed Service Recruiters who visit the school.

COLLEGE ADMISSION REQUIREMENTS

College-bound students are encouraged in their sophomore and junior years to begin gathering information on colleges and universities and evaluating a major course of study based on personal interest and ability. As admissions requirements may vary among colleges, students should consult with their counselor and read the college catalog for the admission requirements for a specific college or university. Effective with the college freshman class entering Fall 2020, the number of required courses will increase to 17 with the additional year of math. A course is equivalent to one full school year of study. Courses count towards the distribution only if passed.

BOARD OF REGENTS REQUIREMENTS FOR ADMISSION TO MASSACHUSETTS FOUR-YEAR PUBLIC COLLEGES AS FRESHMAN CLASS ENTERING	
SUBJECT	
English	4 Courses
Mathematics	4 Courses (Algebra 1 & 2, Geometry, and Pre-Calculus or Algebra 3) including mathematics during the final year of high school)
Sciences	4 Courses (drawn from Natural Science and/or Physical Science and/or Technology/Engineering, including 3 courses with laboratory work)
Social Studies	3 Courses
World Language	2 Courses (in a single language)
Humanities	2 Courses (Spanish III & IV, Viking Longships, Intro to Psychology, Facing History, Literature and Film, Advanced Drama 1 & 2, Art III & IV)

THE MINIMUM GPA REQUIREMENT IS 3.0 FOR STATE COLLEGES/ UNIVERSITIES. If a student's GPA falls below the minimum, a sliding scale that combines the GPA with SAT 1 scores will be considered.

COLLEGE ENTRANCE EXAMINATIONS

All Sophomores and Juniors will take the PSAT in October. Juniors should take the SAT I in May or June. Seniors may retake the SAT I test in the fall of their senior year. Some colleges will require students to take the SAT II subject test. Students must review the college admissions requirements of the colleges that they are considering. The SAT II test is given on the same dates as the SAT I test, however, the SAT I and SAT II test cannot be taken on the same day.

The **PSAT** is a two-hour test of verbal, mathematical and writing skills, which previews the SAT I test and serves as the qualifier for the National Merit Scholar Program.

The **SAT I** test is a three-hour forty-five minute test measuring critical reading, mathematical, and writing skills, with an 800 as the highest score in all three sections, therefore, a perfect score would be a 2400. The writing portion consists of a twenty-five minute essay.

The **SAT II** tests are one-hour tests measuring ability in a specific subject. Highly selective colleges require SAT II scores. Students should take the test upon completion of the related high school course.

DUAL ENROLLMENT

Juniors and Seniors are eligible for participation in the Massachusetts Dual Enrollment Program. This Program allows students to take courses at Salem State University or State Community College while attending high school. Students may earn college credits, which also are applicable toward high school graduation for courses taken at accredited colleges with the approval of their guidance counselor and the Principal. Since 2009, students may also take courses at Salem State. It is the responsibility of students who wish to pursue courses for high school credit to complete an application form for each course before enrolling, to obtain guidance approval, and to have a final grade forwarded to the high school.

EQUAL OPPORTUNITY

Landmark pieces of legislation, Chapter 622 of the 1972 Education Amendment, are laws prohibiting discrimination. These are based on the sound premise that in a knowledge-based society, equal opportunities in education are fundamental to equality in all other forms of human endeavor.

It is the policy of Winthrop High School not to discriminate on the basis of sex, color, religion, handicap or national origin as in accordance with Chapter 622 of the Massachusetts General Laws, Title IX, of the 1972 Education Amendment and Section 504 of the Rehabilitation Acts of 1973.

WHS COURSE SELECTION

Proper selection of a course of study is a matter of close individual attention, which requires cooperation among the student, the parent or guardian and the school. As a student proceeds through high school, the student's abilities, interests and future plans must all be considered to select appropriate courses in preparation for post- secondary study or employment. Students must learn to recognize their strengths and weaknesses and begin to develop clear goals for their future.

Students should solicit the aid of their teachers, counselors and parents in making course selection decisions. Teachers provide students with a valuable source of information concerning their level of achievement as observed from daily classroom performance. Counselors' help students review graduation requirements and provide careful, long-range planning to ensure that the student selects a meaningful educational program. Parents should follow the progress of their children and work closely with school personnel to assure maximum growth and development of their children in preparation for the years beyond high school.

COURSE SELECTION CHANGES

Students and their parents or guardians should give considerable thought to course selections at the time of registration and should make a commitment to that course selection decision. Once students have registered for courses and the master schedule has been completed, it will be difficult to make changes.

When the school year begins, changes in the student's schedule are discouraged. Students must provide a valid reason and obtain the approval of their teacher(s), parent/guardian and the consent of their guidance counselor to change a course. Course changes will be considered before September 30. Course changes requested after October 1 will be considered by administration on a case by case basis and will be noted in the student's permanent record folder and recorded as withdrew passing (WP) or withdrew failing (WF) depending on the student's status at the time of withdrawing from the course.

Scheduling the proper courses for the next year is one of the most important activities in which you will engage this school year. It is very important that you do a careful and thorough job. This Program of Studies is a tool for you and your parents to use in the scheduling process. This booklet describes the course as they will be offered as well as the level of difficulty. Please read the Program of Studies carefully before completing the course selection in iPass. Please read the prerequisites for the courses carefully and make careful choices. It is very difficult to change a course once the selection process has been completed. If you need assistance with the course selection process, or if you have any other questions about the course that are listed, please speak to your teachers and contact your guidance counselor.

QUESTIONS TO CONSIDER WHEN CHOOSING YOUR SCHEDULE:

FRESHMEN

1. Have you selected English, Math, Biology, Social Studies, World Language, and PE/Health?
2. Are you taking 7 courses each semester?
3. Do your choices agree with your teachers' and guidance counselor's recommendation?
4. Does your program prepare you for your long-range education or vocational plans?

SOPHOMORES

1. Have you passed all your previous requirements?
2. Have you selected English, Math, Science, Social Studies, World Language and PE/Health?
3. Are you taking 7 courses each semester?
4. Will you have earned at least 60 credits before entering your junior year?
5. Do your choices agree with your teachers' and guidance counselor's recommendation?
6. Remember, you must have 20 credits in English, 15 credits in Social Studies (Including US History) , 10 credits in World Language (Same language), 20 credits in Math, 15 credits in Science (Including Biology), 10 credits in Physical Education.
7. Does your program meet Massachusetts Higher Education Admissions Standards?

JUNIORS

1. Have you passed all your previous requirements?
2. Have you selected English, Math, Science, and Social Studies?
3. Are you taking 7 courses each semester?
4. Will you have earned at least 95 credits before entering your senior year?
5. Do your choices agree with your teachers' and guidance counselor's recommendation?
6. Does your program meet Massachusetts Higher Education Admissions Standards?

SENIORS

1. Have you passed all your previous requirements?
2. Have you selected English and Math?
3. Are you taking at least 6 courses each semester?
4. Will you have earned at least 130 credits upon completion of your senior year?
5. Remember, you must have 20 credits in English, 15 credits in Social Studies (Including US History) , 10 credits in World Language (Same language), 20 credits in Math, 15 credits in Science (Including Biology), 10 credits in Physical Education
6. Do your choices agree with your teachers' and guidance counselor's recommendation?
7. Does your program meet Massachusetts Higher Education Admissions Standards?

COURSE DESCRIPTIONS

FINE ARTS

The Art Department offers a selection of courses, which will enrich and enhance the lives of all students. Each course strives to provide an understanding of the visual arts through studio activities, art history, art criticism and aesthetics.

Comp Introduction to Art I

Course No: 7223

Offered: Full Year

Grade: 9, 10, 11, 12

Level: College Preparatory

Credits: 5.0

Dept: Art

Description: This course is a comprehensive introduction to fundamental two and three dimensional visual art knowledge, techniques, media, and vocabulary with related Art History overviews. Through an exploration of a variety of art materials and techniques, with a focus on the elements and principles of art and design, students will develop their basic skills for art-making, art vocabulary, sense of aesthetics and critical thinking skills. The essential questions for the course include “What is Art? What makes it Art? What makes quality art work? How do artists make art? And how can I make quality art?” An introduction to the process of critique, reflective writing, quizzes and comprehensive Midterm and Final exams will be included. Students are required to keep a personal sketchbook and notebook. Critical thinking, creativity, craftsmanship, meeting the required criteria of each assignment and personal effort are included in the grading process and are necessary for success in this course. DOE#05154

Prerequisites: *Successful completion of this course, with a grade of C or above, is the prerequisite for advancement to any other Art Department courses.*

Art II / Fine Arts Studio

Course No: 7214

Offered: Full Year

Grade: 10, 11, 12

Level: Honors

Credits: 5.0

Dept: Art

Description: This course is for the student who is seriously committed to building upon the basic foundation of skills and knowledge acquired in the Comprehensive Introduction to Art –I course. In this second year, there is a strong emphasis on developing and improving the skills of direct observation using traditional 2-dimensional media and subject matter. Projects will include drawing, pastel, painting, collage, mixed media (and the possibility of sculpture in the second semester as the time and schedule permits) with emphasis on composition, critical thinking, craftsmanship, and presentation of artwork. The goal is improve the student’s personal skills and abilities in order to advance to a level of more personal art and expression. Exposure to artists and art movements throughout history will be continued. A personal sketchbook is required. Regularly scheduled critiques, reflective writing, and comprehensive Midterm and Final exams are included. DOE# 05155

Prerequisites: *Successful completion of Comprehensive Introduction to Art-I, with a grade of C or above, or approval of the Art Department instructor. (This course is also the prerequisite for continuing to other Art courses.)*

Art III / Advanced Drawing, Painting, & 3-D Studio

Course No: 7233
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Art

Description: This course is for students who are serious about art and want to continue in the visual arts for a third year to begin the advancement to a personal portfolio/body of work. It builds upon the skills, knowledge, and experiences of art, concepts, materials and techniques acquired in the previous courses of Art I and Art II. There is an added emphasis on personalizing the art-making experience for the student: improving quality, advancing creativity, and deepening critical thinking skills. Artists, art movements and cultures will continue to be examined and explored. A personal sketchbook is required. Regularly scheduled critiques, reflective writing, and comprehensive Midterm and Final exams are included. DOE # 05154

Prerequisites: *Successful completion of Art I and Art II with a grade of B or above and/or instructor approval*

Art IV / Intensive Visual Arts / Portfolio

Course No: 7673
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: Art

Description: This course is designed for only the most serious art students who wish to advance their studies in the visual arts and to complete the development of a personal portfolio/body of work. Students will concentrate on individual explorations of media, techniques, and concepts that build upon skills and Art History knowledge gained in previous art courses. Students must have the ability to work independently – both in and out of class – on personal works that meet or exceed the criteria of the assignments guided by the required components of a college-bound Art Portfolio. Along with the Portfolio of work, all students will be required to develop and write an Artist's Statement that reflects on the meaning and aspirations of their personal artwork. In the second semester students will be given the opportunity to choose a concentration/theme/direction for a personalized series of works. Students applying to Art schools, colleges or universities will learn how to prepare and photograph their portfolio to meet the requirements, digital or otherwise, of the individual schools. (Students are responsible for any possible costs incurred in this process.) Sketchbook required. Midterms and Finals given. DOE # 05170

Prerequisites: *Successful completion of Art I, Art II, and Art III with a B or above and/or interview with the instructor prior to approval for the course.*

Digital Photography / Graphic Design

Course No: 7213
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Art

Description: This introductory course is designed for those with an interest in art and design, composition and photography. Students will use a digital camera as an art tool while studying the elements & principles of art and design to expand their development of 2-dimensional composition. Students will capture a variety of photos such as portraiture, still life, landscapes, sports photography, and more. Students will also learn the basics of Adobe Photoshop and its uses in editing, enhancing, and manipulating an image. (This class is limited in size due to the availability of equipment needed to complete the work.) Midterms and Finals given. DOE # 05162



Prerequisites: Students must complete *Comprehensive Introduction to Art I and Art II* with a minimum of a B average AND must complete an interview with the instructor to be considered for this course.

PERFORMING ARTS

The performing arts are a vital part of a student's educational program. The performing arts stimulate creativity. By studying one or more of the arts, students can acquire skills in concentration, organization, effective listening, artistic judgment and self-discipline.

Exploration in Drama

Course No: 7033
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Performing Arts

Description: This course is a more comprehensive introduction to the art of theater. Designed for those with an interest in theater performance, this course will help the student develop as an actor. Through the use of improvisation, students will have the opportunity to write, direct and perform with a partner or team. Students will learn about the history of theater and will read dramatic literature. This course is a stepping-stone for participation on the extracurricular level. It is the introductory course for the student who has interest in continuing theater study. DOE# 05054

Prerequisites: None

Intermediate Drama

Course No: 7053
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Performing Arts

Description: Through improvisation and acting exercises the student will continue to develop drama skills. Students are responsible for projects, tests and quizzes based on dramatic literature. Quarterly performances allow the student to write, direct and perform in a variety of productions. DOE#05055

Prerequisites: C or better in *Exploration in Drama* or instructor's permission.

Advanced Drama I

Course No: 7073
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Performing Arts

Description: In this advanced course students will be responsible for casting, directing and producing a play each quarter. This would include the technical areas such as set, costume, make-up, sound and light design and execution. Students will learn about playwrights, directors and actors who have shaped contemporary theater. Acting skills are strengthened through advanced exercises. DOE# 05055

Prerequisites: Successful completion of *Intermediate Drama* and permission of instructor.

Advanced Drama II

Course No: 7083
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: Performing Arts

Description: This class provides an exceptional challenge for the seasoned drama student. An “Actor’s Workshop” environment allows for challenging character exploration. The class works together as an ensemble company to create works of theater to be presented at the middle and elementary school levels. Work with dramatic literature is expanded. A theater education component allows students to design lesson plans and share their love of drama with others.

Prerequisites: Successful completion of Advanced Drama 1.

BUSINESS, COMPUTER TECHNOLOGY, & MEDIA

The Business, Computer & Media Technology courses are designed to prepare students to understand the expectations of the business community. Students will gain information on how to prepare for professions and careers. Salaries, working conditions, benefits, labor market forecasts, financial analysis and related information will be explored. Skills development is a priority as students discover talents, clarify values, and define goals. Students will become literate and knowledgeable with computer systems, computer software, emerging media technologies and employment opportunities.

Digital Video Production I

Course No: 6524
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Business

Description: Digital Video Production is a full year course, which explores the ability to communicate a message through the visual language of digital art. This course will provide students with an opportunity to work in small video crews and create various types of digital media productions including: news segments, short narrative movies, public service announcements, commercials culminating in a 10-15 minute short film that will be entered into the Winthrop High School film festival. Students will become proficient with the operation of full HD digital video cameras, Adobe Premiere Pro, the industry standard non-linear video editing software, script writing, storyboarding and pre production planning. Emphasis is placed on teamwork, organizational skills, creativity, and project management. DOE # 11055

Prerequisites: None

Digital Video Production II

Course No: 6534
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Business

Description: This is an intermediate level Digital Media Production course that will build upon the knowledge learned in Digital Media I. Students will continue to develop their use of the Adobe Creative Suite 6 including the editing programs Premiere Pro, Encore, Photoshop and Illustrator, as well as being introduced to Adobe After Effects. Students will continue to gain experience in using videography equipment such as the Canon XA10 and Rebel T3i through filming personal creative projects, school events and helping to create the senior video. The

course will sharpen all aspects of digital media production and strengthen the students ability to tell a story through the lens of a camera. Students will be involved in a range of projects from short films, news productions and documentaries, as well as being responsible for helping run the educational access channel WCAT-15.

Prerequisites: *Successful completion of Digital Media I course completion with C, or permission of the instructor.*

Advanced Placement Workshop

Course No: 2299
Level: Standard

Offered: Full Year
Credits: 0.0

Grade: 11, 12
Dept: Guidance

Description: The AP Workshop models the student centered study group created by students at the college level. There are no assignments from this course; students work collaboratively with other AP students on AP course assignments. This workshop provides extended study time during school to reinforce conceptual knowledge, sharpen techniques, enhance expertise and improve verbal communication of the subjects.

Prerequisites: *This workshop is open to any student taking three or more AP courses. Must have Guidance Department approval to clarify credit status.*

ENGLISH LANGUAGE ARTS

The English curriculum is based on the communication skills of reading, writing, speaking, listening and presenting. Specifically, the curriculum provides instruction in the different modes of written and oral expression, analytical reading, vocabulary, grammar/usage and media study. All students must take English throughout their four years of high school. Courses are offered at three levels so that students may select courses that suit their needs, abilities and achievement. Reading during the summer months is an expected and important part of the English program. The summer reading list requires specific reading to prepare the student for course content and goals for the following school year. The list is eclectic in its range of reading difficulty, interest level, and genre. The English Department teachers assign novels, short stories, plays, or secondary sources in June, and follow up with an assessment in their English classes in the subsequent school year.

English Language Arts I

Course No: 0014
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: English

Description: English/Language Arts courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. Students are prepared for programs in four-year colleges. DOE# 01001

Prerequisites: *Recommendation of previous English teacher.*



English Language Arts I

Course No: 0013
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: English

Description: Honors English is designed for highly motivated students, who have exhibited above average academic achievement. The core literature is similar to that assigned in the College Prep English course, but Honors English involves more autonomy and a more extensive amount of supplementary reading, writing, and vocabulary. The course requires a significant amount of original and independent work, and students are expected to possess above average skills in reading, writing, and literary analysis. Students are prepared for programs in four-year colleges. DOE# 01001

Prerequisites: *B (85) in previous English class or recommendation of previous teacher.*

English Language Arts I

Course No: 6014
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9

Dept: English
Affiliated Dept: Special Education

Description: English/Language Arts courses build upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and usually include the four aspects of language use: reading, writing, speaking, and listening. Typically, these courses introduce and define various genres of literature, with writing exercises often linked to reading selections. Curriculum modifications will be based on the student's IEP. DOE# 01001

Prerequisites: *None*

English Language Arts II

Course No: 0024
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10
Dept: English

Description: English/Language Arts II courses offer a balanced focus on composition and literature. Typically, students learn about the alternative aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension, as well as develop skills to determine the author's intent and theme. Additionally, they will be able to recognize the techniques used by the author to deliver his or her message. All sophomore English courses include MCAS review components that will prepare them for the exam. Through this course, students are prepared for programs in four-year colleges. DOE# 01002

Prerequisites: *Successful completion of ELA I*

English Language Arts II

Course No: 6024

Level: College Preparatory

Offered: Full Year

Credits: 5.0

Grade: 10

Dept: English

Affiliated Dept: Special Education

Description: English/Language Arts II courses usually offer a balanced focus on composition and literature. Typically, students learn about the alternative aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message. All sophomore English classes will include an MCAS review component. Curriculum modifications will be based on the student's IEP. DOE# 01002

Prerequisites: *Successful completion of ELA I*

English Language Arts II

Course No: 0023

Level: Honors

Offered: Full Year

Credits: 5.0

Grade: 10

Dept: English

Description: Honors English is designed for highly motivated students, who have above average academic achievement. The core literature is similar to that assigned in the College Prep English course, but Honors English involves a more extensive amount of supplementary reading, writing and vocabulary. The course requires a significant amount of original and independent work, and students are expected to possess above average skills in reading, writing, and literary analysis. All sophomore English courses include MCAS review components that will prepare them for the exam. Students are prepared for programs in four-year colleges. DOE# 01002

Prerequisites: *Prerequisite: B (80) or above in English Language Arts 1 Honors or an A (90) in English Language Arts I CP and instructor approval.*

English Language Arts III

Course No: 0034

Level: College Preparatory

Offered: Full Year

Credits: 5.0

Grade: 11

Dept: English

Description: English/Language Arts III courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. The focus of this course is on American Literature. Students are prepared for programs in four-year colleges. DOE# 01003D

Prerequisites: *Successful completion of ELA II*

English Language Arts III

Course No: 6034
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 11

Dept: English
Affiliated Dept: Special Education

Description: English/Language Arts III courses continue to develop students' writing skills, emphasizing clear, logical writing patterns, word choice and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature, which often form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses. The focus of this course is on American Literature. Curriculum modifications will be based on the student's IEP. DOE# 01003

Prerequisites: *Successful completion of ELA II*

English Language Arts III

Course No: 0043
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11
Dept: English

Description: Honors English is designed for highly motivated students who have exhibited above average academic achievement. The core literature is similar to that assigned in the College Prep English course, but Honors English involves a more extensive amount of supplementary reading, writing and vocabulary. The course requires a significant amount of original and independent work, and students are expected to possess above average skills in reading, writing, and literary analysis. Students are prepared for programs in four-year colleges. DOE# 01003

Prerequisites: *B (80) or above in English Language Arts I Honors or an A (90) in English Language Arts II CP or instructor approval.*

English Language Arts IV

Course No: 0052
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: English

Description: Students read and respond to historically and culturally significant works of world literature, including a wide variety of classic and contemporary works. Students will conduct in-depth analysis of themes a work provides, as well as respond to works by writing coherent and focused essays that convey a well-defined perspective and tightly reasoned argument. Students write and speak with a command of standard conventions of English. They deliver focused and coherent presentations that convey clear and distinct perspectives and demonstrate solid reasoning. Students are prepared for programs in four-year colleges. DOE#01004

Prerequisites: *Successful completion of ELA III*

English Language Arts IV

Course No: 6044
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 12

Dept: English
Affiliated Dept: Special Education

Description: English/Language Arts IV courses blend composition and literature into a cohesive whole as students write critical and comparative analysis of selected literature, continuing to develop their language arts skills. Typically, students write multi-paragraph essays, but they may also write one or two major research papers. The focus of this course is on World Literature. Curriculum modifications will be based on the student's IEP. DOE# 01004

Prerequisites: *Successful completion of ELA III*

English Language Arts IV

Course No: 0053
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: English

Description: Students read and respond to historically and culturally significant works of world literature, including a wide variety of classic and contemporary works. Students will conduct in-depth analysis of themes a work provides, as well as respond to works by writing coherent and focused essays that convey a well-defined perspective and tightly reasoned argument. Students write and speak with a command of standard conventions of English. They deliver focused and coherent presentations that convey clear and distinct perspectives and demonstrate solid reasoning. Students are prepared for programs in four-year colleges.

Prerequisites: *B (80) or above in English Language Arts III Honors or an A (90) in English Language Arts III CP and/or instructor approval.*

AP English Literature and Composition

Course No: 0451
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: English

Description: Following the College Board's suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition courses enable students to develop critical standards for evaluating literature. Students may study the language, character, action, and theme in works of literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing). This is a college level course, so students should know the class expectations mirror that. Students who take the AP English course must take the AP exam, and the nonrefundable examination fee must be paid upon entrance into the class. DOE# 01006

Prerequisites: *Teacher recommendation and a 90% or above final grade in previous Junior Honors ELA class or AP Language class.*

AP English Language and Composition

Course No: 0441
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11
Dept: English

Description: Following the College Boards' suggested curriculum designed to parallel college-level English courses, AP English Language and Composition courses expose students to prose written in a variety of periods, disciplines, and rhetorical contexts. These courses emphasize the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes. This is a college level course, so students should know the class expectations mirror that. Students who take the AP English course must take the AP exam and the nonrefundable examination fee must be paid upon entrance into the class. DOE #01005

Prerequisites: *Teacher recommendation and a 90% or above final grade in previous Sophomore Honors ELA class.*

Literature and Film

Course No: 0074
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: English

Description: This elective course examines a variety of topics in both film and literary studies. Chief among these issues are adaptation and genre. Students will read a variety of texts and examine their on-screen equivalents. Students will exercise critical viewing and reading skills in determining the success of adaptations and present their assessments through a variety of mediums including presentations and essays. Students will examine the conventions of genre and how films and texts adhere to or subvert these conventions. Students will also incorporate and synthesize their knowledge of film and literary technique into original work.

Prerequisites: *Successful completion of ELA II*

MULTILINGUAL LEARNER

Winthrop High School offers a comprehensive English Language Development program for students whose first language is not English. Established procedures in accordance with Department of Elementary and Secondary Education guidelines to identify students who may be multilingual learners are followed. A student's English proficiency level is screened when the answer to any of the questions on the Home Language Survey (HLS) is a language other than English. A screening test is not necessary for students who come from another Massachusetts district or another WIDA state if the district is able to obtain ACCESS 2.0 results from the test that was administered within the last calendar year. Thereby, an ML student's placement in ESL classes is contingent upon the State required W.I.D.A. assessments (the ACCESS 2.0 Test / W.I.D.A. Screening Tool), which provides the baseline data for counselors and ELD staff. Information provided through this process is used to determine the correct placement of the student in an ESL class best suited to the student's individual linguistic proficiency level and English language development needs. Students are re-assessed annually per State requirement in order to determine their progress towards proficiency in the English Language and future placement in ESL classes.

English Language Development I - Foundational Course

Course No: 0455

Offered: Full Year

Grade: 9, 10, 11, 12

Level: College Preparatory

Credits: 5.0

Dept: English

Description: This course is designed for newcomer ML students and others with W.I.D.A. proficiency levels: 1 (Entering), 2 (Emerging), and sometimes, depending on the student's needs, low 3's (Developing) as determined by State assessment. This course focuses on basic grammar, vocabulary, speaking, listening, reading, and writing skills. Acquisition of basic grammar is taught through a systematic English language development approach, emphasizing student verbal production. Student progress is measured and assessed in a variety of ways, including oral, written, and project-based assignments as well as quizzes and exams.

(Note: per State requirements students at this level need to have at least 2 to 3 periods of direct ESL instruction daily; students enrolled in this class generally take two class periods of ESL, which when not offered separately, a second grouping is integrated into the **ESL II – Transitional** class for a total of 140 min. of class time within the 7-day rotational cycle).

Prerequisite: None, Placement Determined by W.I.D.A. Assessment



English Language Development II - Transitional Course

Course No: 0655

Offered: Full Year

Grade: 9, 10, 11, 12

Level: College Preparatory

Credits: 5.0

Dept: English

Description: This course is designed to improve English language skills in reading, writing, speaking, listening and comprehension for ML students who are W.I.D.A. Levels 3 (Developing) to level 4 (Expanding) ranges (and in some cases higher than the State recommended reclassification score, depending on student needs as determined by the language assessment team). In this course language forms and functions are used to guide students' development of essential language skills, and vocabulary development. A strong emphasis is placed on developing reading comprehension and writing skills for ML students close to transition. The focus of the course is to improve students' English language skills and enhance their use and comprehension of academic vocabulary by actively engaging in a variety of participation centered tasks. Some of which include working together as a whole class, in small groups and independently. Student progress is measured and assessed in a variety of ways, including oral, written, and project-based assignments as well as quizzes and exams.

Prerequisite: None, Placement Determined by W.I.D.A. Assessment

MATHEMATICS

The WHS Mathematics Department offers a flexible program of study that meets the needs of all students in the 21st century. Consistent with WHS philosophy, the mathematics department offers a variety of learning experiences and assessment opportunities through an assortment of activities. Students are taught to work independently as well as collaboratively as members of a team. Students engage in using manipulative materials, data collection for mathematical modeling, and investigative labs to discover mathematical concepts. Nightly homework, problem sets, course notes, student presentations, projects, posters and traditional testing are utilized to assess the student’s mathematical knowledge. All courses examine mathematical concepts in four interconnected representations: analytically, graphically, numerically and verbally. A graphing calculator is an essential tool in understanding these connections. The preferred calculators are the Texas Instruments TI-8x.

To gain admission to any of Massachusetts’ four-year public colleges, the Massachusetts Board of Regents requires students to take four years of high school math, including at least one math course during their senior year. WHS has adopted the four-year math requirement for graduation; however, students are encouraged but not required to take math during their senior year.

WHS Mathematics Department offers 3 programs of study with multiple options:

PROGRAM		Accelerated Program**** (ACC)		Honors (H)		College Preparatory (CP)	
General Description		The Accelerated Program of Studies offers swiftly paced, extensive courses by mathematical strand. Concepts are investigated, discovered and examined in detail.		The Honors Program of Studies offers moderately paced, comprehensive courses by mathematical strand. Concepts are investigated, discovered and presented in depth.		The College Preparatory Program of Studies offers appropriately paced, complete courses by mathematical strand. Concepts are investigated, presented and repetitively practiced.	
		<i>Primary</i>	<i>Taken Concurrently</i>	<i>Primary</i>	<i>Taken Concurrently</i>	<i>Primary</i>	<i>Taken Concurrently</i>
Program Sequence by Year	1*	Algebra 2		Algebra 1		Algebra 1	
	2**	Geometry		Geometry	Algebra 2 Required	Geometry	Algebra 2 Required
	3	Pre-Calculus	Optional AP Statistics*** Computer Science****	Pre-Calculus	Optional AP Statistics*** Computer Science****	Algebra 3	
	4	Options: AP Calculus*** AP Statistics*** Computer Science****		Options: AP Calculus*** AP Statistics*** Computer Science****		Options: Computer Science**** Honors Pre-Calculus	
Student Profile		Designed for the advanced mathematics student who is highly motivated and especially interested in mathematics.		Designed for the proficient student who is motivated or interested in mathematics.		Designed for the student who benefits from a sustained focus on major concepts in multiple perspectives.	
PRE-REQUISITE		C or better in previous accelerated course; or A; or better in previous honors course and teacher recommendation.		C or better in previous honors course; or A; or better in previous college preparatory course and teacher recommendation.		Passing grade in the previous course is required before continuing to the next course in the sequence.	

* Freshmen are evaluated with several different criteria and placed in the appropriate program.

** Sophomores are required to be enrolled in or have completed Algebra 1, Geometry and Algebra 2 in preparation for the 10th Grade Math MCAS. If a sophomore has not successfully completed Algebra 1, they will take Algebra 1 and Geometry.

*** AP courses: Special requirements and conditions exist. See course description for details.

**** Computer Science is a mixed level course offering a wide variety of curricula that can be taken for AP, honors or college preparatory credit. Computer Science counts towards a math or lab science elective.

***** During the course selection process, if an Accelerated course becomes oversubscribed, the WHS Administration reserves the right to administer a placement test to aid in determining the final Accelerated course roster.

Algebra I

Course No: 2003
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Mathematics

Description: Algebra 1 begins with a review of order of operation, rational numbers and solving equations / inequalities. Functions, limited to linear, exponential and quadratic, are introduced early, explored from multiple perspectives and utilized throughout the course to model and solve real- life problems. Multiple forms of linear and quadratic functions are examined closely to compare various algebraic structures. Solving systems of linear equations, utilizing properties of exponents and radicals and operations with polynomials complete the algebraic requirements. Introduction to probability and statistics concepts modeling real-life problems complete this course. DOE# 02052

Prerequisites: *B (85) in previous math class or recommendation of previous teacher.*

Algebra I

Course No: 2014
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Mathematics

Description: Algebra 1 begins with a review of order of operation, rational numbers and solving equations / inequalities. Functions, limited to linear, exponential and quadratic, are introduced early, explored from multiple perspectives and utilized throughout the course to model and solve real- life problems. Multiple forms of linear and quadratic functions are examined closely to compare various algebraic structures. Solving systems of linear equations, utilizing properties of exponents and radicals and operations with polynomials complete the algebraic requirements. Introduction to probability and statistics concepts modeling real-life problems complete this course. DOE# 02052

Prerequisites: *Recommendation of previous math teacher.*

Algebra I

Course No: 8014
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9

Dept: Mathematics
Affiliated Dept: Special Education

Description: Algebra 1 begins with a review of order of operation, rational numbers and solving equations / inequalities. Functions, limited to linear, exponential and quadratic, are introduced early, explored from multiple perspectives and utilized throughout the course to model and solve real- life problems. Multiple forms of linear and quadratic functions are examined closely to compare various algebraic structures. Solving systems of linear equations, utilizing properties of exponents and radicals and operations with polynomials complete the algebraic requirements. Introduction to probability and statistics concepts modeling real-life problems complete this course. Curriculum modifications based on the student's IEP. DOE# 02052

Prerequisites: None

Geometry

Course No: 2123
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10
Dept: Mathematics

Description: This Geometry course begins with a review of essential geometric concepts and vocabulary previously introduced. Proofs, formal and informal, are introduced early and utilized often to strengthen students' reasoning and ability to justify their conclusions. Two-dimensional figures are examined closely while exploring concepts of similarity, congruence, transformations, perimeter and area. Three-dimensional objects are examined and utilized to explore concepts of surface area and volume. Introduction to right triangle trigonometry and analytic geometry complete this course. DOE# 02072

Prerequisites: Successful completion of Algebra 1

Geometry

Course No: 2124
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9, 10
Dept: Mathematics

Description: Geometry courses begin with a review of essential geometric concepts and vocabulary previously introduced. Proofs, formal and informal, are introduced early and utilized often to strengthen students' reasoning and ability to justify their conclusions. Two-dimensional figures are examined closely while exploring concepts of similarity, congruence, transformations, perimeter and area. Three-dimensional objects are examined and utilized to explore concepts of surface area and volume. Introduction to right triangle trigonometry and analytic geometry complete this course. DOE# 02072

Prerequisites: Successful completion of Algebra 1

Geometry

Course No: 8024
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10

Dept: Mathematics
Affiliated Dept: Special Education

Description: Geometry courses begin with a review of essential geometric concepts and vocabulary previously introduced. Proofs, formal and informal, are introduced early and utilized often to strengthen students' reasoning and ability to justify their conclusions. Two-dimensional figures are examined closely while exploring concepts of similarity, congruence, transformations, perimeter and area. Three-dimensional objects are examined and utilized to explore concepts of surface area and volume. Introduction to right triangle trigonometry and analytic geometry complete this course. Curriculum modifications will be based on the student's IEP. DOE# 02072

Prerequisites: *Successful completion of Algebra 1*

Geometry

Course No: 2222
Level: Accelerated

Offered: Full Year
Credits: 5.0

Grade: 9, 10
Dept: Mathematics

Description: Geometry courses begin with a review of essential geometric concepts and vocabulary previously introduced. Proofs, formal and informal, are introduced early and utilized often to strengthen students' reasoning and ability to justify their conclusions. Two-dimensional figures are examined closely while exploring concepts of similarity, congruence, transformations, perimeter and area. Three-dimensional objects are examined and utilized to explore concepts of surface area and volume. Introduction to right triangle trigonometry and analytic geometry complete this course. DOE# 02072

Prerequisites: *Successful completion of Algebra 1*

Algebra II

Course No: 2113
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11
Dept: Mathematics

Description: Algebra 2 courses begin with a review of Algebra 1 concepts: equations, inequalities, linear systems and functions. Quadratic and exponential functions are re-examined and extended to polynomial and logarithmic functions and the associated operations. Basic trigonometric and rational functions and imaginary numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to complete this course. DOE # 02056

Prerequisites: *Successful completion of Algebra 1 and teacher recommendation.*

Algebra II

Course No: 2332
Level: Accelerated

Offered: Full Year
Credits: 5.0

Grade: 9, 10
Dept: Mathematics

Description: Algebra 2 courses begin with a review of Algebra 1 concepts: equations, inequalities, linear systems and functions. Quadratic and exponential functions are re-examined and extended to polynomial and logarithmic functions and the associated operations. Basic trigonometric and rational functions and imaginary numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to complete this course. DOE # 02056

Prerequisites: *Successful completion of Algebra 1 Accelerated. 8th grade students must receive an A or better in 8th grade Algebra 1 class and teacher recommendation.*

Algebra II

Course No: 8034
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12

Dept: Mathematics
Affiliated Dept: Special Education

Description: Algebra 2 courses begin with a review of Algebra 1 concepts: equations, inequalities, linear systems and functions. Quadratic and exponential functions are re-examined and extended to polynomial and logarithmic functions and the associated operations. Basic trigonometric and rational functions and imaginary numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to complete this course. Curriculum modifications will be based on the student's IEP. DOE# 02056

Prerequisites: *Successful completion of Algebra 1*

Algebra II

Course No: 2134
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Mathematics

Description: Algebra 2 courses begin with a review of Algebra 1 concepts: equations, inequalities, linear systems and functions. Quadratic and exponential functions are re-examined and extended to polynomial and logarithmic functions and the associated operations. Basic trigonometric and rational functions and imaginary numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to complete this course. DOE # 02056

Prerequisites: *Successful completion of Geometry*

Algebra III

Course No: 2144
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Mathematics

Description: Algebra 3 reviews and extends algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, operations with rational and irrational exponents and various trigonometry topics. DOE# 02057

Prerequisites: *Successful completion of Algebra 2*

Algebra III

Course No: 8044
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12

Dept: Mathematics
Affiliated Dept: Special Education

Description: Algebra 3 reviews and extends algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, operations with rational and irrational exponents and various trigonometry topics. Curriculum modifications will be based on the student's IEP. DOE #02057

Prerequisites: *Successful completion of Algebra 2*

Pre-Calculus

Course No: 2352
Level: Accelerated

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Mathematics

Description: Pre-Calculus courses begin with a review of key Algebra 2 concepts: quadratics, complex numbers and functions. Polynomial functions and right triangle trigonometry are re-examined and extended to conic sections and non-right triangle trigonometry. Operations with vectors and complex numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to conditional probability, set theory and combinatorics. Trigonometric and rational functions and an introduction to limits complete this course. DOE# 02110

Prerequisites: *Successful completion of Algebra 2 ACC*

Pre-Calculus

Course No: 2403
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Mathematics

Description: Pre-Calculus courses begin with a review of key Algebra 2 concepts: quadratics, complex numbers and functions. Polynomial functions and right triangle trigonometry are re-examined and extended to conic sections and non-right triangle trigonometry. Operations with vectors and complex numbers are introduced and explored. Probability and statistics concepts are refreshed and extended to conditional probability, set theory and combinatorics. Trigonometric and rational functions and an introduction to limits complete this course. DOE# 02110.

Prerequisites: *Successful completion of Algebra 2*

Computer Science

Course No: 2343
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Mathematics

Description: All computer science courses use the wide range of curricula offered by CodeHS.com. CodeHS offers a blended approach to learning that addresses multiple learning styles. The successful student is capable of learning independently. Students must be able to gain knowledge from on-line videos and then utilize that knowledge to create programs that satisfy requirements from a problem statement. Topics include: HTML, Python and Java programming languages, language constructs such as variables, conditional statements, algorithm analysis, control and data structures, programming methodologies such as top-down design and object-oriented design, computer technologies such as networks, servers and routers. DOE# 10152

Prerequisites: *Successful completion of Pre-Calculus or Algebra 3 or may be taken concurrently with Pre-Calculus or teacher recommendation.*

Computer Science

Course No: 2344
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Mathematics

Description: All computer science courses use the wide range of curricula offered by CodeHS.com. CodeHS offers a blended approach to learning that addresses multiple learning styles. The successful student is capable of learning independently. Students must be able to gain knowledge from on-line videos and then utilize that knowledge to create programs that satisfy requirements from a problem statement. Topics include: HTML, Python and Java programming languages, language constructs such as variables, conditional statements, algorithm analysis, control and data structures, programming methodologies such as top-down design and object-oriented design, computer technologies such as networks, servers and routers. DOE# 10160

Prerequisites: *Successful completion of Pre-Calculus or Algebra 3 or may be taken concurrently with Pre-Calculus or teacher recommendation.*

Computer Science II

Course No: 2353
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: Mathematics

Description: All computer science courses use the wide range of curricula offered by CodeHS.com. CodeHS offers a blended approach to learning that addresses multiple learning styles. The successful student is capable of learning independently. Students must be able to gain knowledge from on-line videos and then utilize that knowledge to create programs that satisfy requirements from a problem statement. Students apply topics covered in Computer Science 1 to one or more of the following: advanced web-design, computer animations, game design and development, cyber security, virtual reality, music, arts and science. DOE# 10197

Prerequisites: *Successful completion of Computer Science 1 or teacher recommendation.*

Advanced Placement Computer Science A - Independent Study

Course No: 2291
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: Mathematics

Description: Students follow the College Board's curriculum as implemented by CodeHS.com. CodeHS offers a blended approach to learning that addresses multiple learning styles. The successful student is capable of learning independently. Students must be able to gain knowledge from on-line videos and then utilize that knowledge to create programs that satisfy requirements from a problem statement. Topics include: Java programming language, language constructs such as variables, conditional statements, algorithm analysis, control and data structures, programming methodologies such as top-down design and object-oriented design, computer technologies and programmer responsibilities. DOE# 10157

Prerequisites: *Completion of Honors Computer Science with 90% or above final grade or test into it before October.*

Advanced Placement Calculus AB

Course No: 2281
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: Mathematics

Description: Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: elementary functions; properties of functions and their graphs; limits and continuity; differential calculus (including definition of the derivative, derivative formulas, theorems about derivatives, geometric applications, optimization problems, and rate-of-change problems); and integral calculus (including antiderivatives and the definite integral. Students in the AP Calculus course must take the AP exam. The nonrefundable examination fee must be paid within the first month of school. Students are strongly encouraged to take the AP Workshop Course 2299. All students must complete a summer review project assigned by AP Calculus teacher at the end of junior year. DOE# 02124

Prerequisites: *Teacher recommendation and completion of Pre-Calculus with a final grade of 80% or greater.*

Advanced Placement Statistics

Course No: 2331
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Mathematics

Description: Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students in this course must take the AP exam in May. DOE# 02203

Prerequisites: *Teacher recommendation and one of the following: (1) Completion of Pre-Calculus with final grade 80% or greater. (2) Taken concurrently with Pre-Calculus and completion of Accelerated or Honors Algebra 2 with a final grade of 80% (Acc) or 90% (Hon), respectively, or greater.*

Quantitative Reasoning

Course No: 8054
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 11, 12

Dept: Mathematics
Affiliated Dept: Special Education

Description: This Quantitative Reasoning course has been developed to advance a student's ability to apply mathematics in real-world situations and contexts and to deepen a student's understanding of high school mathematics standards. In addition, a wide range of Personal Finance topics will be covered with the students to prepare them more for real-world applications of mathematical principles. DOE# 52039

Prerequisites: *Completion of Algebra 3 and discussion at annual IEP meeting.*

PERSONAL WELLNESS

The goal of personal wellness is to allow students to view health issues from a holistic perspective in which all interrelated aspects of human growth are considered: physical, emotional, social, environmental and cognitive. Course work provides students with the knowledge and the opportunity to explore ways to take positive actions towards their own health and wellness and to develop skills, which will allow them to resist peer pressure, resolve conflicts and manage stress effectively.

Wellness

Course No: 8045
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Personal Wellness

Description: This course includes both physical education and health components. Physical education activities encourage students to practice and improve skills for both traditional sports and non-traditional activities. Learning and applying skills to enhance a lifelong fitness program are emphasized. Current health issues that affect teens are examined such as, goal setting, nutrition and resisting high risk behaviors. Students will have the opportunity to learn the skills needed to achieve and maintain fitness goals, establish and nurture positive relationships and feel effective and confident.

Physical Education

Course No: 8315
Level: Standard

Offered: Half Year
Credits: 5.0

Grade: 10, 11
Dept: Personal Wellness

Physical Education is an integral part of the total educational process and contributes significantly towards desirable educational outcomes. It helps students to meet the physical demands of everyday life and provides opportunities to develop self-confidence, initiative and leadership characteristics. This course will emphasize physical conditioning, strength training, team sports and the development of athletic skills. This course is required for graduation.

Advanced Physical Fitness

Course No: 8220
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Personal Wellness

Physical Education is an integral part of the total educational process and contributes significantly towards desirable educational outcomes. It helps students to meet the physical demands of everyday life and provides opportunities to develop self-confidence, initiative and leadership characteristics. This course will emphasize physical conditioning, strength training, team sports and the development of athletic skills. Recommendation from Physical Education instructor required.

Child Growth & Development

Course No: 9952
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Personal Wellness

Description: Child Development offers the opportunity to develop a positive understanding of the growth and development of children and parenting skills. Class activities will emphasize the responsibilities and challenges of parenting. Also, the class may include a play school where students apply techniques or work with children.

Prerequisites: *May require application and/or interview.*

SCIENCE

The key phrase that describes science in our curriculum is “science literacy for everyone.” We define scientific literacy as the functional understanding of scientific concepts. Modes of inquiry and the conceptual structures of science can be used by our students to develop an awareness of a changing world that is dominated by scientific and technological advancements. Course offerings and the curriculum therein are designed to meet or exceed the core requirements for the Massachusetts Frameworks for high school science education as published by the state Department of Education. Science courses which are HIGHLY RECOMMENDED for admission to college: Biology, Chemistry, Physics

Biology

Course No: 3023
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Science

Description: Honors Biology explores six main topics through a variety of teaching methods such as labs, models, interactive websites, and class discussions. The 6 main topics are: The Chemistry of Life, Cell Biology, Genetics, Anatomy and Physiology, Evolution and Biodiversity, and Ecology. This course will incorporate scientific inquiry skills and introduce proper laboratory procedures and the use of instruments, equipment, and materials. All students will be expected to recognize common themes among living organisms. Honor students are expected to work independently and at a high academic level. DOE# 03051

Prerequisites: *B (85) in previous Science class or recommendation of previous teacher.*

Biology

Course No: 3024
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Science

Description: College Prep Biology explores six main topics through a variety of teaching methods such as labs, models, interactive websites, and class discussions. The 6 main topics are: The Chemistry of Life, Cell Biology, Genetics, Anatomy and Physiology, Evolution and Biodiversity, and Ecology. This course will incorporate scientific inquiry skills and introduce proper laboratory procedures and the use of instruments, equipment, and materials. All students will be expected to recognize common themes among living organisms. College Prep students will have more classroom support and guidance from the teacher. DOE# 03051

Prerequisites: *Recommendation by 8th grade science teacher.*

Environmental Science

Course No: 3354
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: Environmental science will address global issues facing our planet. We will start by learning the basic principles and apply them to real life situations. This course will be a combination of activities, case studies, current events, and field work. Discussion topics for the class will include: climate change, ecosystems, human population, energy sources, resource management, pollution, and sustainable futures. This course will explore the consequences of human activity and its impact on the natural world. This class will appeal to students who are interested in connecting science to society. DOE # 03003

Prerequisites: *Completion of Biology and Chemistry (can be concurrent)*

Advanced Placement Environmental Science

Course No: 3941
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Science

Description: Environmental science will address global issues facing our planet. We will start by learning the basic principles and apply them to real life situations. This course will be a combination of activities, case studies, current events, and field work. Discussion topics for the class will include: climate change, ecosystems, human population, energy sources, resource management, pollution, and sustainable futures. This course will explore the consequences of human activity and its impact on the natural world. This class will appeal to students who are interested in connecting science to society. DOE # 03003

Prerequisites: *Completion of Honors Biology, Honors Chemistry (can be concurrent), teacher recommendation required.*

Chemistry

Course No: 3033
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Science

Description: This is a first year survey course for highly motivated students that will rely largely on individual responsibility for personal education. Students will analyze patterns in laboratory data to develop an understanding of fundamental topics in chemistry including, but not limited to laboratory procedures, atomic theory, chemical bonding, stoichiometry, phases of matter, and chemical reactions. Students will be assessed on their ability to apply fundamental chemical principles to broader situations. By the completion of the course, students will develop laboratory techniques and refine their analytical and critical thinking skills. DOE # 03101

Prerequisites: *Teacher recommendation and successful completion of Biology and Accelerated or Honors Algebra I*

Chemistry

Course No: 3034
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Science

Description: This is a survey course designed to expose students to fundamental topics in chemistry including laboratory procedures, atomic theory, chemical bonding, stoichiometry, phases of matter, and chemical reactions. Students will be expected to demonstrate their understanding of the material through projects and laboratory experiments. Students will also develop skills in organization and use of reference materials, qualitative and quantitative analysis, and critical thinking. By the completion of the course, students will be able to explain simple daily phenomena in the context of fundamental chemical principles. DOE# 03101

Prerequisites: *Successful completion of Biology and Algebra I.*

Physical Science

Course No: 3012
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: The physical world in which we inhabit is filled with activity and interactions. Over many thousands of years of careful research, inquiry, and experimentation, scientists have been able to model the physical world with intense precision, describing the smallest particles to the largest galaxies. In Physical Science, students will begin to develop an understanding and appreciation for the physical world around them. Throughout this course students will study Physics, Astronomy, and Earth Science. Students will be expected to demonstrate their understanding through projects, laboratory experiments, and problem solving. Students will also develop skills in organization and use of reference materials, qualitative and quantitative analysis, and critical thinking. By the completion of the course, students will be able to explain simple daily phenomena in the context of the fundamental laws of nature.

Prerequisites: *Successful completion of Biology and Chemistry*

Physics

Course No: 3043
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: An introduction to the study of Physics for the motivated, college bound student. The course is lab-based and is focused on developing modeling skills, problem solving, and quantitative reasoning. Both conceptual understanding and mathematical problem solving will be emphasized for topics including mechanics, electromagnetism, sound, light, heat and atomic physics. DOE# 03151

Prerequisites: *Successful completion of Chemistry, Algebra 2 and Geometry.*

Anatomy and Physiology

Course No: 3583
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: Human Anatomy and Physiology is a one-year course designed for college-bound students who desire to develop an understanding and appreciation of the human body. Students will learn the structures, functions, and the regulation of human body systems through a variety of strategies. This advanced life-science course is helpful for those students who expect to continue in a curriculum for medicine, nursing, sports medicine, physical therapy, biology or physical education. DOE# 03053

Prerequisites: *Successful completion of Biology and Chemistry*

Advanced Placement Biology

Course No: 3921
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: This is an advanced second-year biology course designed to follow a first year college level curriculum. This course will focus on 4 big ideas of biology: evolution, energy, information, and interactions. With each big idea, students will learn the intricate details of the major concepts as well as specific examples to support the understanding of the main concepts. The topics covered in this course will include: biochemistry, cell biology, energy processes, cellular communication among body systems, molecular heredity, genetics, evolution, and ecology. Students taking this course will be expected to complete daily reading, inquiry-based laboratory work, and modeling. Students may earn college credit and possibly become exempt from an introductory biology course based on successful completion of the exam. Every student is required to take the College Board administered exam in May; this exam has a nonrefundable fee. DOE# 03056

Prerequisites: *Teacher recommendation and successful completion of biology and Chemistry. Honors Chemistry and AB Bio can be taken concurrently.*

Advanced Placement Chemistry

Course No: 3931
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: This is an advanced second-year chemistry course designed to follow a college level curriculum. Students will develop a deep conceptual and quantitative understanding of fundamental chemical principles using advanced analytical techniques. Topics include atomic theory, chemical bonding, stoichiometry, phases of matter, kinetics, equilibrium, acid-base chemistry, thermodynamics, and electrochemistry. Students will be expected to engage in productive peer-collaboration to understand the interlocking nature of topics in chemistry. Achieving a successful score on the AP Chemistry examination may lead to exemption from a first year college chemistry course. There is a nonrefundable examination fee that must be paid upon entrance to the course. DOE# 03106

Prerequisites: *Teacher recommendation & successful completion of Honors Chemistry.*

Advanced Placement Physics C: Mechanics

Course No: 3051
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: This is an advanced second-year chemistry course designed to follow a college level curriculum. Students will develop a deep conceptual and quantitative understanding of fundamental chemical principles using advanced analytical techniques. Topics include atomic theory, chemical bonding, stoichiometry, phases of matter, kinetics, equilibrium, acid-base chemistry, thermodynamics, and electrochemistry. Students will be expected to engage in productive peer-collaboration to understand the interlocking nature of topics in chemistry. Achieving a successful score on the AP Chemistry examination may lead to exemption from a first year college chemistry course and the nonrefundable examination fee must be paid upon entrance into the class.

Prerequisites: *Teacher recommendation & concurrent enrollment in Calculus preferred.*

Marine Science

Course No: 3593
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Science

Description: Seventy-five percent of the Earth is covered in water teeming with life. This course will explain how oceans operate and affect life on land. This course will then dive into the various forms of life found in oceans from the microbial to marine mammals as well as reef systems. We will explore our environmental impacts on the oceans as well as its impact on human development. This course will consist of outreach with Belle Isle Marsh and will be academically rigorous. This course will conduct several dissections and other fieldwork.

Prerequisites: *Successful completion of Biology and Chemistry.*

STEAM

Course No: 3564
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Science

Description: STEAM is a course that integrates components of Science & Technology through Engineering and Artistic design all based in Mathematical elements. Students will learn and then apply technology skills to solve problems, communicate with others, locate information, teach, entertain and inspire. The contextual curriculum coordinates each subject area to support one another in a formal educational structure. The STEAM curriculum is a standard based NGSS curriculum with a focus on science and engineering practices and core concepts in science education. The curriculum will be delivered through FUSE, an interest-driven learning experience developed at Northwestern University and through a two year grant with the Winthrop Public Schools.

Prerequisites: *Teacher recommendation and successful completion of Biology, concurrent or successful completion of Chemistry*

SOCIAL STUDIES

Social Studies courses are designed to complement the Massachusetts Common Core of Learning, which is designed to promote inquiring and independent thinking and to empower students to demonstrate personal, social and civic responsibility. Our courses are also designed to meet the requirements of the History and Social Science Frameworks, which were approved by the State Department of Education and are adjusted periodically. Although most of the Social Studies courses offered to freshmen, sophomores, and juniors emphasize history, these courses also develop content knowledge in other areas of the social sciences, such as geography, citizenship and government (known as political science), psychology, and economics.

Modern World History

Course No: 1043
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Social Studies

Description: Modern World History courses provide an overview of the history of human society from the Enlightenment period to the contemporary period – exploring political, economic, social, and cultural developments. DOE# 04053

Prerequisites: *Final grade of B (85) or above in 8th grade history and/or recommendation of History teacher.*

Modern World History

Course No: 1044
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: Social Studies

Description: Modern World History courses provide an overview of the history of human society from the Enlightenment period to the contemporary period – exploring political, economic, social, and cultural developments. DOE# 04053

Prerequisites: *Recommendation of previous Social Studies teacher.*

Early U.S. History

Course No: 1033
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 10
Dept: Social Studies

Description: Early U.S. History courses examine the history of the United States from the colonial period to Reconstruction. These courses typically include a historical overview of political, economic and social developments.. DOE# 04102

Prerequisites: *Final grade of B or above in Modern World History Honors or an A in Modern World History CP*

Early U.S. History

Course No: 1034

Level: College Preparatory

Offered: Full Year

Credits: 5.0

Grade 10

Dept: Social Studies

Description: Early U.S. History courses examine the history of the United States from the colonial period to Reconstruction. These courses typically include a historical overview of political, economic and social developments. DOE# 04102

Prerequisites: *Successful completion of Modern World History*

Modern U.S. History

Course No: 1053

Level: Honors

Offered: Full Year

Credits: 5.0

Grade 11

Dept: Social Studies

Description: Modern U.S. History courses examine the history of the United States from the Second Industrial Revolution to the contemporary period. These courses typically include a historical review of political, economic, and social developments. DOE # 04103

Prerequisites: *Final grade of B or above in Early US History Honors or an A in Early US History CP.*

Modern U.S. History

Course No: 1054

Level: College Preparatory

Offered: Full Year

Credits: 5.0

Grade: 11

Dept: Social Studies

Description: Modern U.S. History courses examine the history of the United States from the Second Industrial Revolution to the contemporary period. These courses typically include a historical review of political, economic, and social developments. DOE # 04103

Prerequisites: *Successful completion of Early US History.*

Advanced Placement U.S. History

Course No: 1031
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Social Studies

Description: Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History courses provide students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. History. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the contemporary period. This course provides students with the analytic skills and factual knowledge necessary to deal critically with the problems, issues and events in United States history, as well as prepare them for the Advanced Placement Examination. United States history is a detailed survey course designed to give the student a good foundation in the subject matter along with supplementary readings to provide substantive and thematic coverage of the major periods in the history of our nation. Students will be expected to work collaboratively on projects, to develop, create, demonstrate and assess their understanding of the interrelationship of events and time periods in a cause-and effect sense and to compare and contrast people, concepts and themes in a clear and concise manner. Writing skills and reading assignments will be stressed. A summer reading/writing assignment is also part of the course requirements. DOE# 04104

Prerequisite: *Teacher recommendation and a 90% or above final grade in previous Social Studies course.*

Introduction to Psychology

Course No: 1333
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Social Studies

Description: Introduction to Psychology students will focus on the research, causes, and effects of human behavior in many different situations. The course focuses on psychology's relevance to real-life situations such as decision making, drug use, development, motivation, human sexuality, and mental disorders. Prospective students should be aware that there is no course text, and that class attendance is extremely important. The curriculum is fully aligned with the American Psychological Association's national standards. DOE# 04254

Prerequisites: *None*

Advanced Placement Psychology

Course No: 1341
Level: AP

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: Social Studies

Description: AP Psychology offers the motivated student the opportunity to earn college credit upon successful completion of the AP Exam in May. Prospective students should be aware that this course's pacing is extremely fast. Emphasis is on the importance of scientific research into human behavior, and on the specialized terms psychologists use. The course builds toward the twin goals of success on the AP Exam and completion of an original research project at the end of the spring semester. Students should expect a summer reading/writing assignment. DOE# 04256

Prerequisites: *Teacher recommendation and a 90% or above final grade in previous Social Studies course.*



The Viking Longships Project

Course No: 1413
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Social Studies

Description: Humanities courses examine and evoke student responses to human creative efforts and the world in particular historical periods and in particular cultures. Course content includes exploration, analysis, synthesis, and various responses to cultural traditions, including viewing, listening, speaking, reading, and writing, performing, and creating. The courses may also examine relationships among painting, sculpture, architecture and music. This course will assign to each student a responsibility for studying, sketching, researching, designing and building an entire curriculum around a Viking Longship. This project is an interdisciplinary, cultural study of the Vikings between the years 750-1100 A.D. The student must be self-motivated and an independent thinker, worker and learner capable of setting goals and working with perseverance to achieve those goals. DOE# 104302

Prerequisites: *The admittance to this course is based on an interview with the instructor and written authorization.*

Facing History

Course No: 1343
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 10, 11, 12
Dept: Social Studies

Description: Facing History and Ourselves examines how individuals engage in their community and society. It further examines how stereotypes and prejudices oftentimes divide communities and groups of people, which can often lead to extreme forms of hate that come in the forms of discrimination, segregation, and genocide. Facing History offers a sociological view using these concepts throughout the examination of several case studies: the Aborigines and Other Indigenous people, African Genocides, the Armenian Genocide, Discrimination and Segregation in America: the Reconstruction Era and the Fragility of Democracy and Choices Made in Little Rock, the Holocaust, and the Nanjing Atrocities (in alphabetical order).

The two areas that students will examine throughout these case studies are: (1) identifying and reducing prejudice, and (2) advocating collective action. Prejudice reduction seeks to minimize conflict and generally focuses on changing the attitudes and behaviors of a dominant group. Collective action challenges inequality directly by raising consciousness and focusing on improving conditions for under-represented groups. The standards recognize that, in today's diverse classrooms, students need knowledge and skills related to both prejudice reduction and collective action. Unit and lesson plans use the Social Justice Standards, the Teaching Tolerance Curriculum, and the Facing History and Ourselves published works.

Prerequisites: *None*

American Gov't/Law

Course No: 1312
Level: CP

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Social Studies

Description: U.S. Government & World Affairs course provides an overview of the structure and functions of the U.S. Government and political institutions and examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, the media, and the importance of civic participation in the democratic process. The latter half of the course will expose students to American foreign policy, the international state system as well as issues that require global involvement and solutions

Prerequisites: None

SPECIAL EDUCATION

Winthrop High School offers a wide range of opportunities for students with individual special needs. The goal is to maximize successful learning experience within the least restrictive learning environment, consistent with Chapter 766 and Public Law 94-142. The department develops programs for those students who may need specialized strategies or modifications of curriculum in order to participate fully in the high school community and prepare for post-secondary goals. Services are only open to students who have been evaluated by an assessment team and have a current, signed Individualized Educational Plan (I.E.P.). The I.E.P. team will determine appropriate placement for each student according to his or her current Individualized Educational Plan.

Academic Support

Course No: 0055
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: This class is designed to help students strengthen their executive functioning and organizational skills. Students are provided with direct instruction to access important executive function processes needed for completing assignments or studying. Students also receive support in reinforcing concepts specifically for Math and ELA. In addition, students receive assistance with assignments for their core classes with the goal of helping them develop more independent skills. DOE# 23099

Prerequisites: Recommendation of Evaluation Team.

Life Skills Leadership I

Course No: 0415
Level: Standard

Offered: Full Year
Credits: 2.5

Grad: 11, 12
Dept: Special Education

Description: This class is designed to provide a leadership/mentoring program for juniors and seniors. These students should be able to demonstrate the qualities of enthusiasm, initiative and patience while working with students who have developmental disabilities. LifeSkills Leaders will work closely with developmentally delayed students in coordinated activities with teachers and paraprofessionals. Leaders must have a sense of responsibility and sensitivity toward others. Students will be expected to maintain a monthly log, research a variety of developmental disabilities, as well as complete a midterm and final exam. . DOE# 22054

Prerequisites: *Interview and permission from special education teacher.*

Life Skills Leadership II

Course No: 0515
Level: Standard

Offered: Full Year
Credits: 2.5

Grade: 12
Dept: Special Education

Description: This class is designed to provide a leadership/mentoring program for seniors who have successfully completed LifeSkills Leadership I. These students will be expected to demonstrate the qualities of enthusiasm, initiative and patience while working with students who have developmental disabilities. LifeSkills leaders should develop a sense of responsibility and sensitivity toward others. Leaders will work closely with students with developmental disabilities in coordinated activities together with teachers and paraprofessionals. Leaders will have the role of acting as role model for Leadership 1 students. In addition, they will be expected to complete a midterm and final. . DOE# 22054

Prerequisites: *Interview and permission from special education teacher.*

Developmental Language Arts I

Course No: 0065
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: Language skills necessary for independent living will be developed and refined during this course. Reading skills, as well as oral and written communication skills necessary in and out of school will be stressed. Curriculum modifications will be based on the student's IEP. DOE# 01010

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson.*

Developmental Drama I

Course No: 7015
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: This course is a more comprehensive introduction to the art of theater. Designed for those with an interest in theater performance, this course will help the student develop as an actor. Through the use of improvisation, students will have the opportunity to write, direct and perform with a partner or team. Curriculum modifications will be based on the student's IEP.

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson.*

Developmental Health & Life Sports I

Course No: 0075
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: This course blends concepts of health education and lifetime issues with physical education activities. Students explore healthful living styles and current health issues. Adult leisure and recreational activities are also explored. Students are introduced to such activities as golf, bowling, and tennis. Special emphasis will be placed on student decision making relative to personal wellness. Curriculum modifications will be based on the student's IEP. DOE# 14196

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson.*

Developmental Math I

Course No: 0085
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: Basic understanding of math concepts, applications, computations and money management skills will be the major focus of this course. Students will be taught how to plan basic budgets and make basic purchases during the course. Whenever possible, community experience will be integrated into the program. Curriculum modifications will be based on the student's IEP. DOE# 02146

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson.*

Developmental Life Skills I

Course No: 0095
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: This course prepares students in the general life skills they need to accomplish the tasks of daily life. Topics of discussion include the integration of the core subjects of English, Reading, Mathematics, Science and Social Studies with skills such as job readiness skills, vocational and career exploration, social skills, practical skills of budgeting, checking accounts and money usage, governmental operations and civic responsibilities, grocery shopping, use of school and public libraries, and methods of acquiring information from local, state, federal and private sources. Life skills activities include on-site visits to community and governmental agencies, recreational and cultural experiences in and outside the community. Curriculum modifications will be based on the student's IEP. DOE# 23099

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson*

Developmental Speech and Language I

Course No: 0125
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: The speech and language skills necessary for real life situations will be reinforced in this course. Articulation, clarity, speaking and listening skills, interview skills, giving and following directions, categorization and sequencing will be addressed. Curriculum modifications will be based on the student's IEP. DOE# 01196

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson.*

Developmental Food and Nutrition

Course No: 9975
Level: Standard

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: Special Education

Description: This course is designed to enhance self-esteem and promote independent living skills. Nutrition information, food preparation, home management skills, and communication skills are integral components of this course. Current technology and computer experiences are part of the learning environment. Curriculum modification will be based on the student's IEP. DOE# 10046

Prerequisites: *Recommendation of Evaluation Team or approval of Evaluation Chairperson*

WORLD LANGUAGE

All world language courses require that the student invest a considerable amount of time and effort on a daily basis in order to perfect pronunciation, master vocabulary and correctly manipulate grammatical structures. The main emphasis is on the classroom experience as each course pays particular attention to the four basic language skills: listening, speaking, reading and writing. This is accomplished via the use of cassettes, videos, occasional class and individual presentations, readings and some formal writing. Students will also learn about the geography and culture of countries where the languages are spoken.

Spanish I

Course No: 4313
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11
Dept: World Language

Description: Designed to introduce students to Spanish language and culture, Spanish 1 emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through art, literature, customs and history of Spanish speaking people. DOE# 06101

Prerequisites: *Recommendation of 8th Grade Teacher*

Spanish I

Course No: 4314
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11
Dept: World Language

Description: Designed to introduce students to Spanish language and culture, Spanish 1 emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through art, literature, customs and history of Spanish speaking people. This course will be taught at a slower pace. DOE# 06101

Prerequisites: *None*

Spanish II

Course No: 4323
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: World Language

Description: Spanish 2 builds upon skills developed in Spanish 1, extending the students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for information or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will explore the customs, history and art forms of Spanish-speaking people to deepen their understanding of the culture. DOE# 06102

Prerequisites: *Successful completion of Spanish 1 (H) or A average in Spanish 1 (CP).*

Spanish II

Course No: 4323
Level: College Preparatory

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: World Language

Description: Spanish 2 builds upon skills developed in Spanish 1, extending the students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for information or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students may explore the customs, history and art forms of Spanish-speaking people to deepen their understanding of the culture. This course will be taught at a slower pace. DOE# 06102

Prerequisites: *Prerequisite: Successful completion of Spanish 1.*

Spanish III

Course No: 4333
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 11, 12
Dept: World Language

Description: Spanish 3 focuses on having students express increasingly complex concepts both verbally and in writing, while showing some spontaneity. Comprehension goals for students may include attaining more facility and faster understanding when listening to the language spoken at normal rates, being able to paraphrase or summarize written passages, and conversing easily within limited situations. DOE# 06103

Prerequisites: *Prerequisite: C in Spanish 2 (Honors) or A average in Spanish 2 (CP).*

Spanish IV

Course No: 4343
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 12
Dept: World Language

Description: Spanish 4 focuses on advancing students' skills and abilities to read, write, speak and understand the Spanish language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary. DOE# 06104

Prerequisites: *Successful completion of Spanish 3*

Italian I

Course No: 4113
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9
Dept: World Language

Description: Designed to introduce students to Italian language and culture, Italian 1 emphasizes basic grammar and syntax, simple vocabulary, and the spoken accent. Students will read, write, speak and understand the language at a basic level within areas of need, using customary courtesies and conventions. Italian culture is introduced through art, literature, customs, and history of Italian speaking people. DOE#06141

Prerequisites: *None*

Italian II

Course No: 4123
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: World Language

Description: Italian 2 builds upon skills developed in Italian 1, extending the students' ability to understand and express themselves in Italian and increasing their vocabulary. Typically, students learn how to engage in discourse for information or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students will explore the customs, history and art forms of Italian-speaking people to deepen their understanding of the culture. DOE# 06102

Prerequisites: *Successful completion of Italian 1 (Honors) or A average in Italian 1 (CP).*

Italian III

Course No:
Level: Honors

Offered: Full Year
Credits: 5.0

Grade: 9, 10, 11, 12
Dept: World Language

Description: Italian 3 builds on skills developed in Italian 2, extending the students' ability to increase knowledge of grammar, sentence construction and vocabulary. The focus for this class will be to develop and practice the skills of speaking, listening, reading and writing. Students will also be exposed to the Italian culture and geography.

Prerequisite: *C or better in Italian 2 or instructor approval.*