

Maynard High School



Program

Of

Studies

2024-2025

Table of Contents

| | |
|---|----|
| Letter from the Principal | 3 |
| Statement of Non-Discrimination | 4 |
| Telephone Directory | 5 |
| Academic Requirements | 6 |
| Specific MHS Course Graduation Requirements | 6 |
| Credit-based Promotion and Graduation Requirements: | 6 |
| MassCore | 7 |
| Seal of Biliteracy | 7 |
| Course Levels | 8 |
| Course Levels and Expectations | 8 |
| Note about Advanced Placement (AP) Courses: | 9 |
| Programs and Pathways | 10 |
| Chapter 74 Radio and TV Broadcasting Certification | 10 |
| Dual Enrollment | 10 |
| Virtual High School | 11 |
| Future Teachers | 11 |
| Communications | 12 |
| Computer Science | 14 |
| English | 17 |
| History and Social Studies | 22 |
| Senior Project Program | 27 |
| Mathematics | 28 |
| Business | 31 |
| Performing Arts | 33 |
| Physical Education/Health | 35 |
| Science | 37 |
| Special Education | 40 |
| Visual Arts | 41 |
| World Language | 44 |

Letter from the Principal

Dear Students and Parents,

The 2024-2025 school year will be here before we know it, and course selection is a critical element in the preparations for next year. Well before December Break, faculty members began editing their course offerings and otherwise preparing for the upcoming course selection and scheduling process. Next, the focus shifts to students and their families. What would your student be excited about studying next year?

At Maynard High School, our students have a wide variety of opportunities. WAVM, business, fine arts, computer science, and global studies are all high quality programs that can be very engaging for students who enjoy them. As students reach their sophomore year and beyond, they can also consider options for AP Courses in the subject areas they most enjoy. Every senior must take and pass our Senior Project class which is a rigorous course of study requiring a research paper, career and interest exploration, internship and juried presentation of their work. Maynard High School is now at the forefront of current learning, and our students are acquiring a robust set of skills for the future.

Please review the options available to our students carefully. As always, the Maynard High School Counseling Staff is available for questions or concerns. We look forward to an exciting year ahead as Maynard High School continues our ongoing era of excellence with the start of the 2024-2025 school year.

Elizabeth York
Principal of Maynard High School

Statement of Non-Discrimination

The Maynard Public Schools ensures equal employment and educational opportunities for its employees and students and does not discriminate on the basis of race, color, sex, gender identity, religion, national origin, sexual orientation, disability, or homelessness in compliance with Title VI, Title IX, section 504/ADA and G.L. c151b and 157c.

Spanish

Las Escuelas Públicas de Maynard aseguran el empleo y las oportunidades educativas iguales para sus empleados y estudiantes y no discrimina según raza, sexo, identidad género, religión, origen nacional, orientación sexual, discapacidad, o situación de estar sin hogar, el cual conforme con Title VI, Title IX, section 504/ADA y G.L. c151b y 157c.

Portuguese

As Escolas Públicas de Maynard garantem oportunidades iguais de emprego e educação para seus funcionários e alunos e não discriminam com base em raça, cor, sexo, identidade de gênero, religião, origem nacional, orientação sexual, deficiência ou falta de moradia em conformidade com o Título VI, Título IX, seção 504 / ADA e GL c151b e 157c.

Telephone Directory

Maynard Public Schools Central Office – 978-897-2222

Superintendent, Brian Haas

Director of Curriculum and Instruction, Charles Caragianes

Director of Student Services, Jeff Ferranti – 978-897-2138

High School Main Office – 978-897-8891

Principal, Elizabeth York

Assistant Principal, Olga Doktorov

School Secretary, Gail Lucas

Attendance Secretary, Sharon Ray

School Counselor, Amy Petroskey (A-J)

Ext 3210

School Counselor, Nicole Fernald (K-Z)

Ext 3209

School Adjustment Counselor, Dana MacPhee

Ext 3105

School Adjustment Counselor, Olivia Hull

Ext 1417

Special Education Team Chair, Jamie Sangiovanni

Ext 1106

Library Media Specialist, Jean LaBelle-Pierce

Ext 3252

Athletic Director, Michael Arria

978-897-8891 Ext 3114

School Nurse, Janet Lamy

978-897-9374 or Ext 3215

WAVM, Steve Valenti

978-897-5213 or Ext 3234

Maynard High School Graduation Requirements

In order to graduate from Maynard High School, a student must have earned at least 110 credits and complied with all state accountability requirements. A full-year course that is successfully passed is worth 5.00 credits. A semester-long course that is successfully passed is worth 2.50 credits. A quarter-long course that is successfully passed is worth 1.25 credits.

Courses in the following areas are required as part of the overall 110 credit total:

English Pass at least four years of English.

Mathematics Pass at least four years of mathematics.

Science Pass at least three years of science.

Social Studies Pass at least three years of social studies including one course of United States history.

World Language Pass at least two years of the same foreign language. Waivers are available.

Physical Education Pass one course each year. In the junior and senior years, students may fulfill this requirement through documented participation in an interscholastic or club sport, a semester-long dance, yoga, or martial arts class, or another health and wellness focused activity whether inside or outside of school.

Fine Arts Pass at least one course. Waivers are available.

Senior Project Complete the Senior Project course or an alternative capstone activity approved by the principal.

Civics Complete 1 civics action project. This takes place in Modern US History class.

Other requirements may be established by the school committee, or be established by the state, in relation to the particular program as shown above. Otherwise, the additional credits needed for graduation may be selected from among elective courses.

Credit for Foreign Study: Students who are away for a term or year to participate in a student exchange program or otherwise study abroad may receive credits if the institution where the study occurred submits a record of the student's work. In these instances, the Principal and the student's School Counselor will evaluate the work and assign credit for it according to standards prevailing at Maynard High School.

MassCore

The Admissions Standards Policy of the Massachusetts State Colleges and Universities requires a minimum of college preparatory academic units as stated below. These are recommended for many private four-year institutions as well. Students who complete the MASS CORE suggested plan of study will be prepared to enter most 4-year institutions.

| | |
|--|---------------------|
| English | 4 years |
| Mathematics, including Algebra I, II and Geometry | 4 years |
| Lab sciences | 3 years |
| Social Sciences, one year of U.S. History and World History required | 3 years |
| World Language, two years of the same language | 2 years |
| Fine Arts | 1 year |
| Physical Education | 4 years |
| Additional Core Courses | 5 year-long courses |

All Massachusetts high school students are required to be in structured learning time for 990 hours within 180 school days (an exception was made by the state for the 20-21 school year due to the pandemic). This requirement means that all students must be in direct instruction each period of every day. The only exceptions to this requirement are for credit-bearing courses and other academic opportunities, such as dual enrollment, internships, and work study.

Massachusetts Seal of Biliteracy

Students at Maynard High School have the opportunity to earn the State Seal of Biliteracy on their transcript. The Seal of Biliteracy recognizes graduates who demonstrate they can speak, listen, read, and write proficiently in English and another language by high school graduation. The other language does not need to have been learned at school and includes American Sign Language. This is an honor awarded by the state of Massachusetts, and an insignia is attached to the high school diploma and is identified on student transcripts.

In order to earn the Seal of Biliteracy, students must demonstrate proficiency in English and an additional language. Proficiency in English is determined through one of the following measures: MCAS or ACCESS for ELA.

Proficiency in languages other than English is determined by a state approved assessment in reading, writing, speaking, and listening in the additional language. The additional language tests will be administered at Maynard High during the school day at no charge.

Course Levels

Courses are designated by levels as follows:

5 – Advanced Placement or Dual Enrollment courses or equivalent

4 – Honors

3 – College Prep 1

2 – College Prep 2

1 – Class not calculated into GPA

College (CP) Level 3

- Students develop critical thinking skills with frequent help from teacher
- Students read critically with ongoing assistance
- Students develop the ability to write accurate, well-crafted, effective essays with highly structured writing instruction.
- Students develop the ability to work and think independently
- Students can use class time and independent time to complete guided assignments

Honors (H) Level 4

- Students develop critical thinking skills with some guidance from teacher
- Students read critically and independently with some assistance
- Students can write clear and well-planned essays using both teacher-directed and independent methods
- Students work and think independently with support
- Students participate actively in classroom discussions

Dual Enrollment/Advanced Placement (AP) Level 5

- Students independently generate original, higher level thinking
- Students read critically and independently, and use mostly their own strategies to understand very complex texts
- Students write expressive, insightful, well-crafted essays that demonstrate logical progressions of ideas and a consistently masterful use of grammar and vocabulary
- Students use independent time to complete assignments
- Students initiate and sustain academic discussions
- Students extend learning beyond the classroom by conducting further study or research

Level Change or Caregiver Override

Students who wish to enroll in a level other than the recommended level may do so through the following procedures:

1. The student should contact the teacher involved and discuss the reason for the recommendation and whether it should be changed.
2. If there is no agreement after step one, a student's caregiver should contact the teacher involved to discuss the reason for the recommendation.
3. After step two, if the caregiver wishes to override a recommendation, please contact the Principal in writing. The principal will review the request and make a determination.

Note about Advanced Placement (AP) Courses:

When students enroll in an AP course, they are required to sign a contract. Part of this contract requires that students take the AP test in May. As of spring 2024, each AP test costs \$98, which is incurred by the student/family. For students receiving free/reduced lunch, a fee reduction is available, making each test cost \$54. Fees for the tests are due during November of each school year. In order to take an AP course, the student must be recommended by a teacher in the department, usually the current teacher. See above if you wish to have your student take an AP course but it was not recommended.

Programs and Pathways

Chapter 74 Radio and TV Broadcasting Certification

In 2018, Maynard High School was awarded a Chapter 74 vocational license in Radio and Television Broadcasting. We are one of a small number of schools that offer a vocational program along with a comprehensive academic core education. This allows students to graduate with a Maynard High School diploma AND to be state certified in broadcasting. Employable skills learned through the program include video production and editing, podcasting, content creation, and public speaking. Chapter 74 students have the opportunity to earn industry recognized credentials and certifications.

Please see the following link for more information related to our admissions process:

[Admissions Process Link](#)

Computer Science

Maynard High School is in the process of developing an Innovation Pathway in Computer Science that will lead to a certificate in software development. This is a high-needs area in the Massachusetts job market; students who study computer science at MHS will be able to work in this quickly growing field before, during and after post-secondary education.

Global Studies

The Global Studies pathway enhances opportunities for students of world languages by adding service, travel, cultural activities, exchange student hosting, pen pals, and more to the four years of study. These activities are designed to increase fun and friendship between students of different cultures, as well as to enhance students' employability in a global labor market.

Dual Enrollment

MHS students in their junior and senior year are eligible for Dual Enrollment Programs at area Colleges and Universities. This program allows students to take college classes at a discounted rate/credit and earn high school and college credit at the same time.

Dual Enrollment Eligibility Requirements:

Students must have a GPA of 3.0 or better

Recommendation by school counselor for participation

Student can demonstrate eligibility for college-level English & Math (if applicable)

Parent/guardian permission

Dual Enrollment Application to college

Middlesex Community College Bedford/Lowell

Mass Bay Community College Wellesley Hills/Framingham

Other Higher Education Institutions

Students who choose this option must be enrolled in a minimum of 4 courses at Maynard High School in addition to the course they are enrolled in at the community college, state college, or state university. Students are required to bring an official transcript showing the final grade from

the college for the dual enrollment course to be included in the student's MHS transcript. Forms for the Dual Enrollment option are available on the colleges' websites. Students eligible and interested in Dual Enrollment should speak with their school counselor for further details.

Future Teachers

This course is designed for students who are interested in the teaching profession. Each student will be paired with a classroom teacher at Fowler or Green Meadow and learn to assist that particular teacher for the school year. This course can be either a full-year or one semester based on what fits into a student's schedule.

Virtual High School Learning

Over one hundred innovative and enriching Internet-based courses (including AP courses) are offered through the Virtual High School Learning and Maynard High School. VHS Learning is a nonprofit collaborative of partner schools throughout the U.S. and around the world that expands learning opportunities for teachers and students through online education. Participation in these high quality electives is limited to members of the junior and senior classes who are in good standing. Students cannot enroll and receive academic credit in courses that are currently being offered at MHS without administrative permission.

Online learning in VHS Learning helps students develop collaborative skills, creative problem solving skills, independent learning skills, and technological fluency. Courses are offered per semester for 2.5 credits and full year for 5 credits. VHS Learning electives are leveled courses and vary from course to course. Registration deadlines and the course calendar vary from MHS. Space is limited to 25 students per semester. Please see your school counselor if you are interested in exploring this option.

Communications

Communications 1

Full Year-5 Credits

Level 3

Course Number: 7675

Prerequisite: Open to all

Course Description: This course operates out of WAVM. Students will receive introductory lessons of the various mediums found within communications. Television, radio, photography, and Internet mediums are all areas to explore in this class. Students will apply what they learn to produce projects that are creative, educational, community-oriented, entertaining, and more. Project deadlines, production phases, and group-collaboration will be at the core of all that is done within this class. Students will have to write script, film, act, and edit their work, for different projects centered around communications. This course requires a great deal of responsibility, as students will venture around campus and the Maynard community to conduct their work. Projects will be broadcasted on the school Youtube page for all to view and enjoy.

Communications 2

Full Year-5 Credits

Level 3

Course Number: 7680

Prerequisite: Communications 1 or teacher recommendation

Course Description: This course operates out of WAVM. In this course students will apply and expand their knowledge of communications. Advanced aspects of film, audio, lighting, and design are all aspects that will be explored. Students will be held accountable for demonstrating their works with high quality productions, designed to educate, entertain, and inform the public and community. Students will have to demonstrate their understanding of production, filming, acting, editing, and more. Group-collaboration, deadlines, and ingenuity are all imperative in order to complete this course. High quality projects are at the core of all that is done within this course. All projects created will be proudly displayed to the community.

Communications 3

Full Year-5 Credits

Level 4

Course Number: 7683

Prerequisite: Communications 1 & Teacher Recommendation

Course Description: Communications 3 is an independent, student-driven, and self-paced course that takes place in WAVM in collaboration with the Chapter 74 internship program. Throughout this course students will have the opportunity to conceptualize, develop, produce, and edit communications projects that are of particular interest to themselves. Students will have the opportunity to create a short film, video series, radio show, or community-driven project. Students are given benchmarks and deadlines for their projects, and are advised and then graded based on individual performance. The ability to work with others, to be self-driven in the communications field, to take criticism about their work, creativity, and responsibility with school equipment on and off campus are all a necessity for this course.

Broadcast Journalism A (MHN)

Full Year-5 Credits

Level 3

Course Number: 7625

Prerequisite: Communications 1

Course Description: Working within WAVM, the broadcast journalism course applies the various formats and techniques that center around creating a weekly newscast magazine: Maynard High News (MHN). This course teaches the application of television production, primarily focusing on video-recording functions and the three phases of production. A journalistic approach will be required in order to find, write, and properly broadcast community

stories. This course relies on meeting deadlines, planning weekly segments, and growing the MHN brand with quality productions. Group-collaboration will be at the core of all that is done within this class, as students are placed in groups that produce regular segments found within MHN (Hype City, Top of the Hill, Tasty Time, Boston Sports, & more!). Students will write, produce, record, and broadcast themselves, in order to inform, educate, entertain, and lead the community.

Broadcast Journalism B (Maynard Legacy) Full Year-5 Credits Level 3
Course Number: 7630 Prerequisites: Communications 1

Course Description: Working within WAVM, this course applies the knowledge learned from Communications 1 into an in-depth television newscast program, similar in style to “60 Minutes”, and a podcast version of this same program. This course teaches the proper techniques of researching, interviewing, capturing and editing news segments. This course relies on meeting deadlines, planning segments, and centers around exploring real-world issues/news. Group collaboration will be at the core of all that is done within this class. Students will write, produce, record, and broadcast themselves, in order to inform and lead the community. Students will learn about media literacy, reliable sources, and legislation around responsible broadcasting. This course is for students who want to make a difference in the world using the television/online medium as an effective tool.

Sports Broadcasting Semester- 2.5 Credits Level 3
Course Number: 7667 Prerequisite: Teacher recommendation

Course Description: This class is reserved for motivated students with communications experience either through communications classes during the day or through the WAVM club after school. The class will build and sustain an effective communications plan by reporting on various sports and competitions throughout the semester. Projects will include sports updates via social media, spotlights for players and coaches and other project ideas that will further promote the athletic department.

Podcasting Semester- 2.5 Credits Level 3
Course Number: 7632 Prerequisite: Communications 1

Course Description: Students will learn the basics of producing, recording, and publishing audio content. Students will be introduced to the technical aspects of podcasting, including microphone techniques, editing software, and hosting platforms. Additionally, students will learn about the creative side of podcasting, including storytelling, scriptwriting, and how to engage listeners. Throughout the course, students will have the opportunity to work in teams to create and publish multiple types of podcasts, including interviews, storytelling, and news-based podcasts. Students will also be exposed to different podcast formats and styles, and will be encouraged to experiment with their own unique approaches to podcasting.

Computer Science

The goal of the Computer Science courses is to ensure that students who plan to enter post secondary education with a computer science major or who plan to enter a computer science career have exposure to programming relevant to the student's choice. To this effect, Maynard High School's offerings are in line with the career area of software development.

Massachusetts now has an Innovation Pathways program, and this is designed to give students coursework and experience in a specific high-demand industry, such as information technology, engineering, healthcare, life sciences and advanced manufacturing. Innovation Pathways are designed to create strong partnerships with employers in order to expose students to career options and help them develop knowledge and skills related to their chosen field of study before they graduate from high school.

Maynard High School is proposing to offer a pathway in Software Development, which will be in the area of Information Technology. All students at Maynard High School are eligible for this pathway. Students will also participate in activities targeted towards career and post-secondary exploration. Students must also complete 100 hours of an internship experience at a work site, which may be a paid experience. A final project must also be completed for this internship. Some of these activities will overlap with the Senior Project program.

The proposed pathway is shown below. **Of note, some of the computer science courses help to satisfy the requirements of the Chapter 74 Radio and TV Broadcasting Certification.**

Computer Science Innovation Pathway (Proposed)

4 semesters of Computer Science Electives

2 required year long courses

Semester Courses

App Development

Applications of Computer Science

Java Programming

Game Development

Web Development

Robotics

Year Long Courses

AP Computer Science Principles

AP Computer Science A

App Development

Semester-2.5 Credits

Level 3

Course Number: 0910

Prerequisite: Open to all

Course Description: This introductory course introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps. This course uses JavaScript as the programming language, and Code.org's App Lab as the programming environment. Students will create many apps, and the concepts learned in these lessons will span all programming languages and tools. Students will become familiar with the programming concepts and the design process computer scientists use daily. They then learn how these simpler constructs can be combined to create more complex programs. Along the way, they practice design, testing, and iteration, as they come to see that failure and debugging are an expected and valuable part of the programming process. This course uses an online interactive textbook as well as an online programming environment. A computer is required for participation. This course will be held in the computer lab.

Applications of Computer Science

Semester-2.5 Credits

Level 3

Course Number: 0940

Prerequisite: Open to all

Course Description: This introductory course introduces students to programming using the Python language and physical computing with the Circuit Playground devices. Students will also study topics in Artificial Intelligence, Machine Learning, Cyber Security, Virtual Reality simulations, and engage in discussions with current events. This course will be held in the computer lab.

Java Programming

Semester-2.5 Credits

Level 3

Course Number: 0960

Prerequisite: Algebra 1 or Teacher Approval

Course Description: This introductory course introduces students to the basics of the Java programming language. Students will learn programming constructs involving input/output, variables and data types, Classes, and void and return methods. They will also learn how to control output through the use of conditionals while implementing numeric, string, and Boolean expressions. This course uses an online interactive textbook as well as an online programming environment. A computer is required for participation. This course may meet in the computer lab.

Game Development

Semester-2.5 Credits

Level 3

Course Number: 0945

Prerequisite: Open to all

Course Description: In this introductory course students will create programmatic images, animations, interactive art, and games. This course uses JavaScript as the programming language, and Code.org's Game Lab as the programming environment. Starting off with simple, primitive shapes and building up to more sophisticated sprite-based games, students become familiar with the programming concepts and the design process computer scientists use daily. They then learn how these simpler constructs can be combined to create more complex programs. Along the way, they practice design, testing, and iteration, as they come to see that failure and debugging are an expected and valuable part of the programming process. This course uses an online interactive textbook as well as an online programming environment. A computer is required for participation. This course will be held in the computer lab.

Robotics

Semester-2.5 Credits

Level 3

Course Number: 0946

Prerequisite: Open to all

Course Description: This introductory course introduces students to designing, building, operating, and programming VEX Robots (IQ and EDR V5) to solve problems. Students will collaborate, communicate, and publish various aspects of the design and implementation process as they justify their accomplishment of tasks. This course will be held in the computer lab.

Web Design and Development I

Semester-2.5 Credits

Level 3

Course Number: 0930

Prerequisite: Open to all

Course Description: In this introductory course students will be introduced to the basics of Web design using HTML. With this tool, students will first learn how to make text based pages and proceed to using images and styling the page using CSS. Students will learn about proper citation with images and use CSS Classes to make efficiently coded web pages. At the end of the course, students will practice working with a group to make websites with all skills learned to date. This course uses an online interactive textbook as well as an online programming environment. A computer is required for participation. This course will be held in the computer lab.

AP Computer Science Principles

Full Year-5 Credits

Level 5

Course Number: 0936

Prerequisite: One Semester or more of a Computer Science Course or Teacher Approval

Course Description: AP Computer Science Principles introduces students to the breadth of the field of computer science. In this course, students will learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They will incorporate abstraction into programs and use data to discover new knowledge. Students will also explain how computing innovations and computing systems, including the Internet, work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical. A computer is required for participation. This course may meet in the computer lab.

AP Computer Science A

Full Year-5 Credits

Level 5

Course Number: 0935

Prerequisite: Java Programming or Teacher Approval

Course Description: This advanced course is the equivalent of a college level introductory course in Computer Science that uses the Java programming language. Students will practice and solve problems with 2D arrays as well as Array Lists and refine their knowledge of algorithms that are necessary to solve problems using them. Students will learn about recursion and use stack tracing to analyze recursive methods and compare and contrast them to traditional iteration structures. Near the end of the course, students will have the opportunity to take the College Board's AP Test and earn college credits, subject to the approval of the institution a student attends. This course uses an online interactive textbook as well as an online programming environment. A computer is required for participation. This course may meet in the computer lab.

English

Requirements

Maynard High School students must pass four years of English to meet the English Language Arts requirements for graduation. To earn a Maynard High School diploma, students must also pass the state mandated MCAS ELA test, which is taken in the March of the Sophomore year.

Students in Honors and AP courses are required to complete summer reading assignments as assigned. Assignments vary by year, level, and predetermined course requirements.

Grade 9

Required: Writing and Literature I (College Prep or Honors)

Grade 10

Required: Writing and Literature II (College Prep or Honors)

Grade 11

Required: Survey of American Literature **OR** AP Language and Composition

Grade 12

Required: Survey of European Literature & 1 Senior English Choice **OR** AP Literature and Composition **OR** AP Language and Composition

Senior English Choice: The Short Story, **OR** Literature, Composition, and Screenplays

Open to grade 12 only

Electives: Mythology, Literature of the Holocaust, Art and Literature open to grades 10-12 only

Course Content and Design

English Language Arts courses are designed in alignment with the Massachusetts ELA Curriculum Frameworks and are delivered in an environment that promotes 21st Century skills such as curiosity, personal accountability, and student centered learning for the success of the individual as well as for that of the class as a whole.

Course content is based on the literature of various cultures, time periods, and genres. While studying literature, students build on the traditional ELA reading, writing, listening, and speaking skills through a variety of established best practices that move all students from basic understanding, recitation, and analysis towards increasingly complex analytical and synthesis skills at every level and in every course.

In addition, student progress and achievement is monitored through the use of a variety of assessments that range from teacher observation to formal tests to individual and collaborative projects. Assessment models are designed to develop students' skills, and enhance their abilities, interests, and accomplishments as they prepare for college and careers.

Grade 9

Writing and Literature I

Full Year-5 Credits

Level 3 or 4

Course Numbers: CP: 2125 Honors: 2130 Prerequisite: Grade 8 English; Honors: recommendation of grade 8 ELA teacher and placement assessment

Course Description: The ninth-grade required course focuses on strengthening foundational and analytical skills in language and literature across the major forms and genres (short story, novel, drama, mythology, literary nonfiction, and informational texts). Students continue to build listening, speaking, reading and writing skills for various audiences and purposes; analyze literature from various angles and contexts; and observe connections between literature and the arts. In addition, students continue to hone public speaking skills through recitations and presentations. Along with the course anthology, examples of major texts include: *The Odyssey*, *Of Mice and Men*, and *Night*. Other exemplary authors may include Shakespeare, Austen, and Dickens.

Grade 10

Writing and Literature II

Full Year-5 Credits

Level 3 or 4

Course Numbers: CP: 2265 Honors: 2270 Prerequisite: Writing and Literature I; Honors: grade of 85 and teacher recommendation

Course Description: This required course is a continuation of the study of literature and writing through an exploration of the major themes, genres, and authors of Native American, Latin, Asian, Middle-Eastern, and other Western and non-Western literature. Students study novels, plays, poetry, essays, and short stories to practice analysis, close reading, and inference. Students come to understand that fiction can represent the universal human experience, and also understand practical application of informational texts and nonfiction. A general focus of the class is CCSS ELA 9-10.1 - Students will write (arguments) to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence. In addition to the course anthology, major texts and authors featured include *Anthem*, *Persepolis*, *Fahrenheit 451*, *Whirligig*, and *Antigone*. Authors studied include Shakespeare, Dickens, O. Henry, Crane, and others.

Grade 11

Survey of American Literature

Full Year-5 Credits

Level 3 or 4

Course Numbers: CP: 2320 Honors: 2360 Prerequisite: Writing and Literature II Honors: Semester grade of 85 and teacher recommendation

Course Description: This required course is a continuation of the study of literature, language, and writing. Emphasis is placed on completing a survey of American literature through an exploration of the major themes, genres, and authors of American literature. Students come to see the fluid relationship between fiction and nonfiction, and have opportunities to make connections with history, art, and other subjects. Students build on their writing skills integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more complex essays. In addition to the course anthology, examples of major texts and authors include *The Scarlet Letter*, *The Great Gatsby*, *The Catcher in the Rye*, *A Streetcar Named Desire*, Twain, Thoreau, Whitman, Dickinson, Wharton, Faulkner, Tan, and Krakauer.

Grade 11 or 12

AP Language and Composition

Full Year-5 Credits

Level 5

Course Number: 2480

Prerequisite: Juniors: Writing and Literature II Honors final grade 90 or better, teacher recommendation, and completion of the AP Summer Assignment

Seniors: Survey of American Literature Honors final grade 90 or better, teacher recommendation, and completion of the AP Summer Assignment

Course Description: AP Language and Composition is an intensive, in-depth study of prose written in a variety of periods, disciplines, and rhetorical contexts with an emphasis on American and Western literature. Students refine awareness of the interactions of a writer's purpose, audience expectations, the subject, and the way generic conventions and the resources of language contribute to effectiveness in writing. Written assignments, both short- and long-term, are a significant feature of the course. Students strengthen their composition skills through frequent analysis, argument, and synthesis/research papers. Major texts include *The Bedford Reader*, and *Timeless Voices, Timeless Themes: the American Experience* (Prentice-Hall), *The Lively Art of Writing* (Payne), and *AP English Language and Composition* (Workbook: D&S Marketing). Supplementary readings include the works of Steinbeck, Emerson, Whitman, Dillard, Capote, O'Brien, Hawthorne, Fitzgerald and Salinger.

Grade 12

AP Literature and Composition

Full Year-5 Credits

Level 5

Course Number: 2475

Prerequisite: Survey of American Literature Honors or AP Language and Composition final grade 90 or better, teacher recommendation, and completion of the AP Summer Assignment

Course Description: AP Literature and Composition is a rigorous course of study in literature and writing that covers a variety of genres written in the classical ages up to the contemporary era, including American literature, British literature, and multicultural selections. This course helps students develop the ability to analyze, write about, and discuss the collective account of humanity as presented through literature's social, cultural, and historical value. Through a process of interpreting and analyzing literature, students adapt a more sophisticated writing style to convey understanding and in-depth evaluation. As this course progresses, students become more proficient in their power to read and write analytically, enhance their vocabulary, and effectively edit their own work. Texts include: *How to Read Literature like a Professor* (Foster), *Literature and Composition: Reading, Writing, Thinking* (Bedford/St. Martin's), *The Seagull Reader: Poems* (Norton), and *AP English Literature and Composition* (Workbook: D&S Marketing). Other texts include: *Macbeth*, *Othello*, *Oedipus Rex*, *A Doll's House*, *The Awakening*, *The Bluest Eye*, *Daisy Miller*, *Pride and Prejudice*, *The Stranger*, *King Lear*, *A Tale of Two Cities*, and *Hamlet*.

Grade 12

All seniors are required to take a full year of English in order to graduate.

If you do not take an AP English course, one course must be the Survey of European Literature, and the other must be one of the two Senior Choice Classes.

Survey of European Literature

Semester-2.5 Credits

Level 3 or 4

Course Numbers: CP: 2420 Honors: 2430

Prerequisite: Survey of American Literature or AP Language and Composition; Honors: teacher recommendation

Course Description: To round out their secondary ELA curriculum, students focus on European literature from the Middle Ages to the present. Units are arranged chronologically, so that students may see how earlier works influence later works and how forms and ideas have evolved over time. Students consider prominent themes for each time period such as the tension between leaders and citizens, reason and emotion, and the relationship between art and nature. Through increasingly complex analysis in essays and discussions, students may relate a work to its historical circumstances, trace a symbol through a work or works, or consider a moral or philosophical question. In addition to the course anthology, major texts and authors may include *The Wife's Lament*, *Beowulf*, *Shelley's Ozymandias*, *Frankenstein*, *All Quiet on the Western Front*, Shakespeare's sonnets and plays (*The Tragedy of Macbeth*), Donne, Dickens, Dumas, Austen, Hardy, Woolf, Camus, Sillitoe, Orwell, and Anne Frank.

Senior Choice Classes: Are open to seniors only.

The Short Story

Semester-2.5 Credits

Level 3 or 4

Course Number: CP: 2550 Honors: 2555

Prerequisite: Survey of American Literature, AP Language and Composition, or concurrent; Honors: teacher recommendation

Course Description: The Short Story is a course that focuses on reading short stories and understanding the craft behind short story writing. Students become acquainted with the short story literary form by reading a selection of classic and contemporary American, British, and other translated short stories. However, particular emphasis is placed on American authors. Students will read critical essays about these short stories, write their own analyses, and take part in writer workshops to create and publish original short stories. Students may study authors such as Shirley Jackson, Amy Tan, J.D. Salinger, Washington Irving, Sandra Cisneros, Walter Mosley, Edgar Allan Poe, Jhumpa Lahiri, Guy de Maupassant, John Updike, Alice Walker, and Kate Chopin.

Literature, Composition, and Screenplays

Semester-2.5 Credits

Level 3 or 4

Course Number: CP: 2450 Honors: 2460

Prerequisite: Survey of American Literature, AP Language and Composition, or concurrent;
Honors: teacher recommendation

Course Description: Literature, Composition, and Screenplays is a literature-based course where students will read novels, short stories, plays, scripts, and screenplays. Students will analyze classic and modern literature and investigate how literary works are interpreted, adapted, and represented by screenwriters/scriptwriters. In addition, students will examine the elements of plot, setting, theme, style, and point of view as expressed within a wide-range of genres. Students will also reflect on the heroes, stories, and values that shape our culture. Most importantly, students will become creative and competent screenwriters as well as knowledgeable critics. Literature for this class may include works by Daphne Du Maurier, William Shakespeare, Philip K. Dick, Joseph Stefano, Robert Bloch, Oscar Wilde, Alice Walker, Steven Millhauser, Shirley Jackson, Joyce Carol Oates, Ambrose Bierce, J.K. Rowling, Washington Irving, F. Scott Fitzgerald, and Elmore Leonard.

Electives open to grades 10-12**Mythology**

Semester-2.5 credits

Level 3

Course Number: 2580

Prerequisite: None

Course Description: Mythology is a survey of world mythology which examines the myriad stories of gods, goddesses, heroes, and monsters from ancient civilizations. Students will develop an appreciation for the similarities and differences among the creation stories, heroic quests, and epic battles conceived by different cultures. Ancient Greek, Roman, and Norse mythology will figure prominently in this course.

Art and Literature

Semester-2.5 credits

Level 3

Course Number: 2155

Prerequisite: None

Course Description: Art and Literature is an interdisciplinary course in which students will explore how authors incorporate art in their stories. In doing so, students will create works of original art inspired by the selections they read in class. Students may also analyze music, law, and science as they read poetry, short stories, and novels. There will be a particular emphasis on the short story form.

History and Social Studies

The Massachusetts Frameworks for History and Social Science establish the rationale for History Departments across the Commonwealth:

“Our call for schools to purposely impart to their students the learning necessary for an informed, reasoned allegiance to the ideals of a free society rests on three convictions: First, that democracy is the worthiest form of human governance ever conceived.

Second, that we cannot take democracy's survival or its spread or its perfection in practice for granted. Indeed, we believe that the great central drama of modern history has been and continues to be the struggle to establish, preserve, and extend democracy at home and abroad. We know that very much still needs to be done to achieve justice and civility in our own society. Abroad, we note that only one-third of the world's people live under conditions that can be described as free.

Third, we are convinced that democracy's survival depends upon our transmitting to each new generation the political vision of liberty and equality that unites us as Americans. It also depends on a deep loyalty to the political institutions our founders put together to fulfill that vision."

It is with this deep sense of responsibility to teach each generation about the rights and responsibilities of our society that we offer our program of studies. All students must take history during their first three years at Maynard High School. An honors program is offered in each year of required history courses. Seniors are encouraged to participate in the History/Social Studies Department's elective program. In addition, students have the opportunity to take Advanced Placement American History, Advanced Placement World History, and Advanced Placement US Government.

Grade 9

Required: Early American History (College Prep or Honors)

Grade 10

Required: Modern World History (College Prep or Honors) or AP Modern World History

Electives: Law & Government, Psychology, Sociology, Dictators, US History since 9/11

Grade 11

Required: Modern US History (College Prep or Honors) or AP US History

Electives: Law & Government, Psychology, Sociology, Dictators, US History since 9/11, AP Government and Politics, AP Modern World History, Microeconomics, Macroeconomics

Grade 12

Electives: Law & Government, Psychology, Sociology, Dictators, US History since 9/11, Dictators, AP US History, AP Government and Politics, AP Modern World History, Microeconomics, Macroeconomics

Grade 9

Early American History

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 3320 Honors: 3325 Prerequisite: Honors: 8th Grade teacher recommendation

Course Description: The Beginnings 1763-1900s-Students examine the historical and intellectual origins of the United States from the American Revolution to the development of the US Constitution. The study of America's rise to power examines Westward Expansion,

Sectionalism, and Civil War. The remaking of America post Civil War chronicles Reconstruction and the Industrial Revolution. The course ends with the analysis of the Gilded Age and WWI. The course follows key themes including: the role of race in America, the spirit of reform, the control of resources, the evolution of civil liberties, and the American character. Students read and write history, conduct research, debate positions, evaluate sources and seek to understand each other's point of view.

Grade 10

Modern World History

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 3100 Honors: 3150 Prerequisite: Honors: teacher recommendation

Course Description: 1800-Present-This course examines the economic, social, and political roots of the modern world from the rise of Napoleon through the present. Topics explored include the Democratic and Industrial Revolutions, Imperialism, Communism, Totalitarianism, the World Wars, and contemporary issues. Students will pursue a factual and thematic knowledge of the emerging world culture while developing analytical, interpretive, and critical thinking skills to enhance their understanding. The course includes lectures, discussions, group projects, and oral presentations. Essay writing and research techniques will also be developed and refined throughout the year.

AP World History: Modern

Full Year-5 Credits

Level 5

Course Number: 3200 Prerequisite: teacher recommendation, completion of summer assignments, Open to gr. 10-12

Course Description: AP World History is a rigorous, college-level course designed to explore human history from 8000 B.C.E. to the present. We will emphasize the development of analytical and writing skills necessary for success on a collegiate level. To this end, the course devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography. (The principles, theories, or methodology of scholarly historical research and presentation) and inquiry into global connections that have shaped our present world. A special emphasis will be given to preparation for the National AP Exam, including historical writing through essay and document-based questions (DBQ) as well as objective evaluations.

Grade 11

Modern United States History

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 3420 Honors: 3425 Prerequisite: Honors: teacher recommendation

Course Description: 1900-Present. This full year course examines what many have called the American Century. The United States rose to the status of superpower and then ruled as the only superpower in the 20th century. How did WWI, WWII and the Cold War shape America? How did America shape the world? This course chronicles the political, economic and cultural changes that shaped the US into the dominant force in the world. Foreign and domestic policies

transformed America and America transformed the world. Each successive decade led to massive changes for Americans and the evolving threats from fascism, communism, and terrorism shook the fabric of US life. This course will require students to write, debate, defend and cite evidence for theses. As a part of this course, students will be able to participate in a Civics Action project. Students will be assessed based on homework, group work, projects, class discussions, tests, quizzes and essays.

Grades 11-12

AP United States History

Full year-5 Credits

Level 5

Course Number: 3450

Prerequisite: completion of summer assignments & teacher recommendation

Course Description: This challenging course exposes students to college-level historical analysis and reasoning. Students have the opportunity to earn college credit with successful completion of the national AP exam. This is a superb opportunity for the serious student of history to analyze and debate major principles and events of American history. The course is based on a college text as well as numerous primary and secondary sources. The content covers American history from colonial times through the present. A strong emphasis is placed on analytical writing and reading. AP students are required to take the AP exam in May. (This course can serve as the requirement for Junior year history.)

AP US Government and Politics

Full year-5 Credits

Level 5

Course Number: 3940

Prerequisite: completion of summer assignments, teacher recommendation

Course Description: The AP U.S. Government and Politics course covers the study of democratic ideals, the balance of powers, and tension between the practical and ideal in national policy-making. Students analyze and discuss the importance of various constitutional principles, rights and procedures, institutions, and political processes that impact us as citizens. Topics covered include Foundations of American Democracy, Interactions Among Branches of Government, Civil Liberties and Civil Rights, American Political Ideologies and Beliefs, and Political Participation.

Social Studies Electives

Microeconomics

One Semester-2.5 Credits

Level 4

Course Number: 3551

Prerequisite: Open to grades 11 and 12

Course Description: Economics is the study of the choices people make with their resources and the impact these choices have on all other political, social, and environmental policies. This semester's course will be a valuable asset for those students who plan to major in a business or finance field in college. Students will learn about the forces of supply and demand, elasticity,

consumer and producer surplus, market interventions, consumer theory, profit, and forms of competition. Students maintain a personal financial portfolio and gain invaluable economic literacy.

Macroeconomics

One Semester-2.5 Credits

Level 4

Course Number: 3552

Prerequisite: Open to grades 11 and 12

Course Description: Inflation, Debt Ceilings, Budget Deficits, Unemployment, GDP—These economic ideas and many others are covered in this semester's course. Economics is the study of the choices people make with their resources and the impact these choices have on all other political, social, and environmental policies. Macroeconomics examines those questions on the aggregate level and studies the choices governments make on the nature of monetary and fiscal policy, the role of government in the economy, the impact of trade agreements, as well as how markets work under the forces of supply and demand. Students produce a research project, complete a personal budget simulation, and gain invaluable economic literacy.

Law and Government

One Semester-2.5 Credits

Level 3

Course Number: 3950

Prerequisite: Open to grades 10-12

Course Description: Do you know what the 5th Amendment protects you from? Should the government be able to wiretap your phone? What is the source of law and rights in this country? What distinguishes the US legal system from other countries? This course helps students answer all of the above and ask even more questions about the society they live in. The course examines the structure of the US government, the principles and practices of the US legal system, and it introduces students to both their rights and responsibilities in our society. The course has a particular focus on Constitutional Law and Civil Liberties, Criminal Law and Juvenile Justice, Torts, Consumer and Housing Law, Family Law and exercises in mock trials.

Psychology

One Semester-2.5 Credits

Level 3

Course Number: 3925

Prerequisite: Open to grades 10-12

Course Description: What motivates you? What is the meaning of your dreams? Are you an introvert or extrovert? What is the learning style you use? What is your id? Psychology studies these questions as well as the newest research on the brain, mental processes and behaviors. This course looks at the historical development of the field, its current trends, and its most famous theories. Students will investigate Brain Research, Perception, Memory and Learning, Motivation, Personality, Human Development, Abnormal Psychology, and conduct their own original research in a field of their choice.

Sociology

One Semester-2.5 Credits

Level 3

Course Number: 3530

Prerequisite: Open to grades 10-12

Course Description: Is social media making us lonelier, despite its promises to promote human connection around the world? Why is Iceland considered the "best place to be a girl"? And why can we often predict who someone voted for based on where they shop for groceries? These are examples of questions a sociologist might explore. Unlike psychology, which focuses on how an individual perceives the world around her, sociology is the study of how groups interact in society. In this ½ year elective course, students will learn about and analyze the concepts of

values, norms, and social mores, and see how many are universal across cultures. In addition, students will be exposed to current trends in sociological research, with a focus on young people and generational attitudes in America today. We'll use primary and secondary sources, including documentaries, commercials and print media, and music to better understand how young people are socialized in America today, how stereotypes are created and perpetuated, and above all, we'll consider what it means to be part of a community.

United States History Since 9/11

One Semester 2.5 Credits

Level 3

Course Number: 3440

Prerequisite: Open to grades 10-12

Course Description: This elective is designed to expose students to the political, social, cultural, and economic history of the United States over the past two decades. Using primary and secondary sources as varied as essays, magazine articles, photos, political cartoons, social media, and film, we'll explore "big picture" questions that ask students to think critically about the role of the United States in the world today and their roles as citizens. Students will learn about politically charged topics such as global terrorism and American foreign policy in the wake of 9/11, Islamophobia, the economic recession of 2008 and its aftermath, Black Lives Matter and racial identity from Trayvon Martin to Charlottesville, gender and feminist ideas, the impact of the Internet and social media, and the changing landscape of privacy in the age of Google and Amazon. Other topics will be pursued based on student interest, and one project will be based on a research topic of the student's choosing. Major assessments for this course will be largely project-based, and an emphasis will be placed on fomenting students' critical thinking skills through writing occasional essays, discussions and formal debates.

Dictators

1 Semester, 2.5 Credits

Level 3

Course Number: 3126

Prerequisite: Open to grades 10-12

Course Description: This course will examine the challenges of the 20th and 21st century and the struggle of democracy in the face of powerful dictatorships. Why was it difficult for democracy to flourish in certain areas of the world like South East Asia, Latin America, Europe and Africa during the 20th and 21st Century? We will examine the rise of dictators such as Hitler, Stalin, and Pol Pot, Kim Jong-Un, Robert Mugabe, Omar Al-Bashir, Bashar Al-Assad, and Idi Amin, and study the effects they had on the nations in which they ruled. This course will give students a greater understanding of the political, economic, and social dynamics of the 20th and 21st century and the world we currently live in.

Senior Project Program

Grade Nine**Introduction to the Capstone Project**

Quarter-1.25 Credits

Level 1

Course Number: 8960

Course Description: As a graduation requirement, students are required to complete the Senior Project course in 12th grade. In the Intro to Capstone class, students will get a taste of what the Senior Project is all about. Students will reflect on a career field in which they are

interested. Students will spend time brainstorming skills and knowledge that they wish to acquire while at Maynard High School. Students will explore college degrees and post-high school training, as well as the basics of financial literacy. The Capstone class also allows students to practice and enhance their writing and presentation skills. This course is one of the offerings in the Topics portion of 9th graders' schedules.

Academic Literacy

Quarter-1.25 Credits

Level 1

Course Number: 2135

Course Description: This course prepares students for the academic rigors of their high school careers and beyond. Students will learn and practice strategies that will improve their academic skills, including research and study skills. This course will include a variety of topics, including effective note taking and study strategies, interpreting academic language, scholarly writing using different citation formats, evaluating sources, recognizing bias in sources, and more. This course is one of the offerings in the Topics portion of 9th graders' schedules.

Grade 12**Senior Project I and II**

Two Semester long courses -2.5 Credits each

Level 4

Course Number: 3800 & 3825

Prerequisite: Senior Status

Course Description: The Senior Project course is a capstone requirement in which seniors demonstrate they have met the Academic, Social, and Civic Competencies of MHS. Seniors choose their own topics of study and work to obtain real-world involvement in a field of interest to them. The course explores students' personal interests and goals while also developing professional skills and artifacts. Students demonstrate their academic and technical knowledge by researching and presenting on a topic of their choice. Students learn what is required of them for academic research beyond high school. Students practice social and civic competencies by growing their workplace readiness, work ethic, and professionalism and by working with outside placements for job shadows or internships. Students practice personal and social development through various communication and interpersonal skills assignments. After the Senior Project course, students will grow in confidence and be ready to graduate and move to their next challenge!

Mathematics

The mathematics curriculum is aligned with the National Council of Teachers of Mathematics Standards and the Massachusetts Mathematics Curriculum Framework which has incorporated the Common Core Standards for Mathematics. The courses offer practice with test skills and develop the skills through practical applications. Students will learn to use graphing calculators as a mathematical tool. They will use computers, videos, and other technology where applicable. Projects will be assigned to all grade levels to develop and reinforce skills and applications of mathematics. The Standards for Mathematical Practice complement the content standards so that students increasingly engage with the subject matter as they grow in mathematical maturity and expertise throughout the high school years.

Standards for Mathematical Practice

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

MATH SEQUENCE

The indicated prerequisites are intended to ensure students' success in each course and are based on required prior knowledge. Students are required to pass four years of mathematics, including Algebra II, to meet the graduation requirement.

Algebra I

Full Year-5 Credits

Level 3

Course Number: 0100

Prerequisite: Grade 8 Math

Course Description: Algebra 1 is designed to give students a foundation for all future mathematics courses. The fundamentals of algebraic problem-solving are explained. Students will explore: foundations of algebra, solving equations, solving inequalities, an introduction to functions, linear functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations, and data analysis and probability. Throughout the course, Massachusetts curriculum standards are taught and reinforced as the student learns how to apply the concepts in real-life situations.

Geometry

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 0180 Honors: 0195 Prerequisite: Algebra I, Honors: 95 average in Algebra 1 & Teacher Recommendation

Course Description: This course covers the required concepts of Euclidean geometry including definitions, postulates, and theorems. Throughout the course, Massachusetts curriculum standards are taught and reinforced as the student learns how to apply the concepts in real life

situations. Areas of study include tools and language of geometry, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, circles, and probability.

Algebra II

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 0375 Honors: 0325 Prerequisite: Algebra I, Geometry, Honors: 95 average in Geometry CP or 85 average in Honors Geometry & Teacher Recommendation

Course Description: Algebra 2 is designed to build on algebraic and geometric concepts. Throughout the course, Massachusetts curriculum standards are taught and reinforced as the student learns how to apply the concepts in real-life situations. It develops advanced Algebra skills such as Algebra 2 foundations, function families, quadratic functions and complex numbers, polynomial expressions and equations, exponential and logarithmic functions, rational functions, statistics, periodic functions and trigonometry, and applying trigonometric functions. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

Precalculus CP

Full Year-5 Credits

Level 4

Course Number: 0410 Prerequisite: Algebra II, Geometry, Teacher Recommendation

Course Description: Students will advance their studies in algebra and pre-calculus in this course. The topics covered in this course include functions, modeling, statistics, sequences, and logical reasoning. Students will model and analyze problem situations through systems of equations, inequalities, and regression. They will explore and apply linear, quadratic, radical, rational, exponential, logarithmic, and trigonometric functions. Students will develop an understanding using algebraic, numerical, and graphical methods. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

Precalculus Honors

Full Year-5 Credits

Level 4

Course Number: 0400 Prerequisite: Geometry, 95 average in Algebra II CP or 85 average in Honors Algebra II, & Teacher Recommendation

Course Description: Pre-Calculus Honors weaves together the previous studies of algebra, geometry, and mathematical functions into a preparatory course for calculus. The course focuses on mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Throughout the course, Massachusetts curriculum standards are taught and reinforced as the student learns how to apply the concepts in real life situations. Topics include fundamental concepts of Algebra, functions and graphs, polynomials and rational functions, exponential and logarithmic functions, trigonometric functions, analytic trigonometry, topics in trigonometry, systems of equations and inequalities, matrices and determinants, conic sections and analytic geometry, sequences, induction, probability and an introduction to Calculus. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

Calculus Honors

Full Year-5 Credits

Level 4

Course Number: 0600

Prerequisite: Precalculus, Teacher Recommendation

Course Description: This course deals with the mathematics of change – velocities and accelerations. It is also the mathematics of tangent lines, slopes, area, volumes, curvatures, and a variety of other concepts that model real life solutions. This class introduces students to the concepts and practical applications of calculus. Students will develop an understanding of derivatives and integrals, as well as, the process to find them numerically, algebraically, and graphically. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

AP Calculus AB

Full Year-5 Credits

Level 5

Course Number: 0650

Prerequisite: Precalculus, Teacher Recommendation

Course Description: This is a full year, college level course in the functions of one independent variable. Throughout the year students will learn calculus in depth, develop analytical reasoning skills, and form disciplined study habits that will contribute to continued success at the college level. This course includes differential and integral calculus topics that are typically included in an introductory Calculus I college course. Students will be expected to use graphing calculators (TI-84) to help solve problems. At the completion of this course students will take the AP Calculus AB test in May. Examinations will consist of prior AP test questions; tests and quizzes will be timed in preparation for the AP test. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

Statistics

Full Year-5 Credits

Level 3

Course Number: 0850

Prerequisite: Algebra II, Teacher Recommendation

Course Description: The objective of this full year course is to prepare students with the statistical understanding needed to become responsible members of a democratic and ever-changing global society. The Statistics topics studied include frequency distributions, probability, measures of central tendency and variability, applications of the binomial and a normal probability distribution, correlation, sampling and estimation theory, and linear regression. Project work and applications in which students effectively communicate their learning will be required. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

AP Statistics

Full Year-5 Credits

Level 5

Course Numbers: 0830

Prerequisite: Algebra II, Teacher Recommendation

Course Description: Students are introduced to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: Exploring Data: Describing patterns and departures from patterns, Sampling and Experimentation: Planning and conducting a study, Anticipating Patterns: Exploring random phenomena using probability and simulation, and Statistical Inference: Estimating population parameters and testing hypotheses. Students who successfully complete the course and exam may receive credit, advanced placement, or both for a one-semester introductory college statistics course. A graphing calculator (TI-83 or TI-84) is highly recommended because it is used extensively.

Business Electives

Introduction to Business

Semester-2.5 Credits

Level 3

Course Number: 5290

Prerequisite: None

Course Description: This introductory course covers the academic disciplines of business, with units on Business Administration, Finance, Marketing, and Hospitality. Cases allow students to apply the concepts they have learned to real situations and problems faced by professionals at leading companies.

Small Business and Entrepreneurship

Semester-2.5 Credits

Level 3

Course Number: 5295

Prerequisite: Introduction to Business or Teacher

Recommendation

Course Description: This course introduces the basic concepts underlying all small businesses. Students will learn about various types of businesses, business plans, stakeholders, financing, profits, and losses. Cases and projects allow students to make business decisions when faced with common financing, product, service, and delivery problems.

Introduction to Marketing

Semester- 2.5 Credits

Level 3

Course Number: 7684

Prerequisite: Introduction to Business or Teacher

Recommendation or enrollment in the Chapter 74 Radio and TV Broadcasting Certification program

Course Description: Throughout this course you will learn the fundamentals of business and marketing. This class focuses on current topics in business and marketing including the 4 P's: Product, Price, Place & Promotion. The class also includes topics on economics, skills for marketing, retail sales, business presentations, management, entrepreneurship, ethics, career exploration, and business and marketing plans. Students will be required to do multiple presentations throughout the year.

Sports Marketing

Semester 2.5 Credits

Level 3

Course Number: 7686

Prerequisite: Introduction to Marketing; Teacher

Recommendation or enrollment in the Chapter 74 Radio and TV Broadcasting Certification program

Course Description: Explore the intriguing world of sports and entertainment from the perspective of marketing. Sports and entertainment topics are used to learn foundational marketing concepts. Emphasis is on sports and entertainment as a business, marketing strategies, communication, sales, promotion, advertising, international business, and e-commerce. Marketing functions are incorporated throughout the sports and entertainment industries and are the perfect vehicles to highlight how marketing plays out in our everyday lives. Students will be required to do multiple presentations throughout the year.

Financial Literacy

Full Year-5 Credits

Level 3

Course Number: 0950

Prerequisite: Algebra II

Course Description: This course teaches seniors to make decisions about earning an income, saving and spending, using credit, and budgeting. This course is designed to empower students

and teach them about the world of finance. The curriculum will provide a strong foundation for delivering the knowledge necessary for students to succeed in life.

Accounting I

Full Year-5 Credits

Level 3

Course Number: 5300

Prerequisite: Teacher Recommendation or enrollment in the Chapter 74 Radio and TV Broadcasting Certification program

Course Description: This course involves two elements of a business cycle in which the student should demonstrate proficiency; keeping income and expense records and determining from these records the profit or loss for a fiscal period. Skills such as critical thinking, problem solving, and recognizing good business ethics are stressed in this course. In addition, students should demonstrate the ability to complete projects in a specified time frame by meeting pre-determined goals. Through the use of technology, students will further increase their knowledge base by inputting accounting transactions into the computer and producing professional accounting statements, reports and graphs.

Accounting II

Full Year-5 Credits

Level 4

Course Numbers: 5350

Prerequisite: Accounting I, Teacher Recommendation

Course Description: Accounting II continues to explore accounting in more detail. Expanding upon the topics learned in Accounting I, students learn new information such as accounting for corporations, forming and dissolving business organizations, and management. The study of a second year of accounting continues to emphasize problem solving and critical thinking skills, and a common core of accounting knowledge. Accounting II is appropriate for students who are preparing for business majors or those who plan to go directly into business. The use of technology is an integral part of this accounting course.

Performing Arts

Concert Band

Grades 9-12

Full Year-5 Credits

Level 3

Course Number: 7000

Prerequisite: Students must demonstrate an acceptable degree of technique and proficiency on a musical instrument as determined by the band director. Students new to playing an instrument should complete a series of private lessons until their music reading skill will enable them to easily perform music equal to Grade 5 (of 1-6 in traditional literature grading system).

Course Description: Band at the senior high level has a dual function. The Pep/Marching Band is a community service organization, performing at various town celebrations and school athletic events. The Concert Band offers participants the opportunity to play musical literature specifically written for this type of symphonic wind and percussion group. Developing musicianship and striving for personal growth and self-fulfillment through the performance of music are the band's essential goals. All music students are expected to set and achieve personal and group goals and to critique their own performances.

Concert Chorus

Grades 9-12

Full Year-3 Credits

Level 3

Course Number: 7100

Course Description: Everyone who is willing to work hard and who likes to sing is welcome in Concert Chorus, a non-audition chorus. The chorus's essential purpose is to inspire its members to become life-long music lovers and singers. The focus is to teach proper singing technique and to expose students to a wealth of literature in different genres. Students will be performing a variety of challenging music including classical works, a cappella pieces, works from musicals and opera, folk songs, and spirituals. **This course meets after school from 2:05-3:00 p.m. (this course meets after school and is a 3 credit course due to the number of class periods/year)**

Music Theory

Full Year

Level 3

Course Number: 7250

Prerequisite: The ability to read basic music notation, open to Gr. 10-12

Course Description: This course introduces the student to the critical, analytical, and creative skills associated with music theory. These will include the use of proper notation, aural dictation, understanding of meter, rhythm, scales, key signature and melody. Students will compose and perform several compositions using the above skills. Score analysis, form and structure, and the changing compositional techniques and styles used throughout music history will be explored. The goal of this course is to enable the musician to better understand the music he/she performs and to allow for the creativity of the student to take focus in composition.

Performing Arts After School (Non-Credit- these courses are not reflected on the transcript)

Wind Ensemble

Grades 9-12

Full Year-Non Credit

Elective

Prerequisite: Audition only, capable of playing and sight reading grade 4 & 5 literature, must be member of Concert Band

Course Description: The MHS Wind Ensemble is the honors section of band. It is a challenging instructional ensemble composed of the most talented and motivated musicians at MHS. This group meets after school and/or evenings, and plays difficult high school and college level literature.

Jazz Band

Grades 9-12

Full Year-Non Credit

Elective

Prerequisite: Audition only, must be member of Concert Band

Course Description: This course provides the opportunity for selected musicians to play difficult and unusual rhythms, carry an independent part, become aware of the importance of proper phrasing and blending, and learn to create and improvise solos as demanded in stage band/jazz ensemble. Repertoire is chosen from jazz and rock literature with occasional funk/fusion pieces. Performance standards are consistent with those of the concert band.

Rehearsals are held in the evening, with sectionals scheduled as needed.

Madrigals

Grades 9-12

Full Year-Non Credit Elective

Prerequisites: Audition only, must be member of Concert Chorus

Course Description: The Madrigal Singers are a select group of a cappella singers. This is the honors group of the concert choir. Their literature includes the Gregorian chant, the Medieval and Renaissance periods, and other appropriate unaccompanied music. Emphasis is placed on tone development, strength of independent parts, intonation, and balanced and blended voicing of the group. This group performs for some special occasions such as the State House functions and competitions. **Madrigals rehearse after school and evenings.**

A Cappella Choir

Grades 9-12

Full Year-Non Credit

Elective

Prerequisite: Audition only

Course Description: The A Cappella Choir is a group of singers who sing expressly unaccompanied music. The students may sing in as many as eight part harmonies, using vocal percussion and voices as various instruments (string bass, for example). The group models itself after various university a cappella groups. Literature is usually pop-rock with occasional jazz and unusual pieces.

Physical Education/Health

All freshman students will be automatically scheduled for a quarter of health 9 and a quarter of PE 9, unless there are special individual circumstances approved by either guidance, administration or the special education department.

Grade 9

Physical Education 9 Wellness

Quarter-1.25 Credits

Level 1

Course Number: 6050

Course Description: In this class, students will engage in a wide variety of team and individual based sports and games, as well as several personal health and physical fitness based activities. Throughout the course of the quarter, students will develop knowledge regarding their personal health and the importance of physical fitness, develop pertinent skills, and identify sustainable strategies to maintain and improve their personal health and physical fitness throughout life.

Health 9

Quarter-1.25 Credits

Level 1

Course Number: 6250

Course Description: This workshop style course is an introduction to major personal health concepts, and prepares students to become physically literate lifelong learners. Key concepts & skills include the Dimensions of Health & Wellness, Social Emotional Learning Skills such as Self-Management, Social & Self-Awareness, Relationship Skills, and Responsible Decision-making; as well as, stress & anxiety management and coping skills and strategies.

All Sophomore students will be automatically scheduled for a semester of health 10 and a semester of PE 10, unless there are special individual circumstances approved by either administration or the special education department.

Grade 10

Physical Education 10

Semester-2.5 Credits

Level 1

Course Number: 6100

Course Description: This skills-based course focuses on positive health practices, emphasizing behaviors that contribute directly to optimal health while reducing the risk of disease. At the conclusion of this course, students will have a better understanding of major health concepts, a sense of responsibility for one's own health, and the necessary skills to implement desirable health behaviors and attitudes. Possible key concepts and topics include mental and emotional health, goal setting, tobacco/substance abuse prevention, nutrition and physical activity, and body systems/growth and development.

Health10

Semester-2.5 Credits

Level 1

Course Number:

Course Description: This course is an introduction to major personal health concepts, and prepares students to become physically literate lifelong learners. Key concepts & skills include the Dimensions of Health & Wellness, Social Emotional Learning Skills such as Self-Management, Social & Self-Awareness, Relationship Skills, and Responsible Decision-making; as well as, stress & anxiety management and coping skills and strategies.

Grades 11 and Grade 12**Physical Education 11/12**

Semester-2.5 Credits

Level 1

Course Number:

Course Description: This skills-based course focuses on positive health practices, emphasizing behaviors that contribute directly to optimal health while reducing the risk of disease. At the conclusion of this course, students will have a better understanding of major health concepts, a sense of responsibility for one's own health, and the necessary skills to implement desirable health behaviors and attitudes. Possible key concepts and topics include mental and emotional health, goal setting, tobacco/substance abuse prevention, nutrition and physical activity, and body systems/growth and development.

Science

Students are required to pass three years of science for graduation. They are also required to pass a science MCAS exam. Typically students take the Physics MCAS exam at the end of their freshman year. (MHS offers the biology MCAS at the end of sophomore year for students who have not yet fulfilled their science MCAS requirement). Additionally, full year elective courses are offered in Environmental Science, Human Anatomy and Physiology, Forensic Science, AP Biology, AP Chemistry, and AP Physics 1 and AP Physics 2. Entrance into science courses is subject to criteria recommended by the Science Department.

| |
|---|
| Grade 9 Introductory Physics |
| Grade 10 College Prep Biology, Honors Biology |
| Grade 11 College Prep Chemistry, Honors Chemistry Electives: Environmental Science, Human Anatomy & Physiology, AP Biology, Forensic Science, AP Physics 1, AP Physics 2 |
| Grade 12 Electives: Environmental Science, Human Anatomy & Physiology, Forensic Science , AP Biology, AP Chemistry, AP Physics 1, AP Physics 2 |

Grade 9

Introductory Physics

Full Year-5 Credits

Level 3

Course Number: 1150

Prerequisite: None

Course Description: This is an Introductory Physics course intended for all freshmen students. Concepts and mathematical problems solved are both important aspects of this course. Labs are used to both introduce and reinforce the concepts. The key concepts covered include: Motion and Forces, Conservation of Energy and Momentum, Heat and Heat Transfer, Simple Harmonic Motion and Waves, Electromagnetism, and Electromagnetic Radiation.

Grade 10

Biology

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 1250 Honors: 1300 Prerequisite: Honors: 80 in Physics, Teacher Recommendation

Course Description: A broad spectrum of biological topics are presented. Emphasis is placed on the molecular and cellular nature of biology, genetics, evolutionary principles, and ecology, and a survey of human organ systems. Scientific processes and methods are presented in the course and applied in laboratory experiences, including dissections.

Grade 11**Chemistry**

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 1400 Honors: 1450

Prerequisite: Geometry, Honors: Pass Algebra II, 80 in Biology, Teacher recommendation

Course Description: This course is designed to teach a thorough understanding of the fundamental concepts of modern chemistry as a background for advanced study. Detailed coverage is given to the study of physical and chemical properties of matter, atomic structure with emphasis on electron configuration and orbital notation, formula writing and nomenclature, chemical equations, chemical reactions, periodicity of structure and properties, chemical problems to exhibit the Laws of Definite Composition and Conservation of Matter, the study of acids, bases and salts, analytical procedures, and many other chemical principles. Course work includes laboratory activities.

Grade 10/11/12 Electives**Environmental Science**

Full Year-5 Credits

Level 3

Course Number: 1850

Prerequisite: Ten Credits of Science

Course Description: This course emphasizes awareness of one's environment, specifically issues affecting New England. Topics to be covered include biomes, changes in the biosphere, matter and energy in the ecosystem, interactions and balance in the ecosystem, resources in the biosphere, pollution issues, and the human impact on the environment.

Human Anatomy & Physiology

Full Year-5 Credits

Level 3 or 4

Course Number: CP 1500 Honors: 1550 Prerequisite: Pass two years of science.

Honors: 85 in CP Biology, 80 in Honors Biology Teacher recommendation

Course Description: Human Anatomy and Physiology will include a broad spectrum of topics covering the structure and function of human systems and clinical aspects of diseases and disorders. This course involves laboratory investigations including vertebrate dissection. The honors course is an advanced course for the student who intends to further study in medical or health related fields including premedical programs, nursing, biotechnology, medical technology, emergency medical technology, physical therapy, sports training and other related programs.

AP Biology

Course Number: 1700

Full Year-5 Credits

Level 5

Prerequisite: CP or Honors Chemistry (concurrent ok), Teacher Recommendation, completion of summer assignment, 85 in Biology

Course Description: The AP Biology course is designed to be the equivalent of an introductory college biology course taken to fulfill that requirement for a major in biology. Authorization has been granted to the instructor by the College Board for this course. The authorization granted to this instructor permits the school to use the "AP" designation on student transcripts. Many colleges and universities will award credit and allow students to enroll in upper level courses after demonstrating qualification on the AP examination. Students are required to take the AP Biology exam.

Forensic Science

Full Year-5 Credits

Level 3

Course Number: 1950

Prerequisite: Pass two years of Science

Course Description: Forensic Science is an introductory course that focuses on practices and analysis of physical evidence found at crime scenes. Discussion includes fingerprinting, hair analysis.

Grade 12 Electives

AP Chemistry

Full Year-5 Credits

Level 5

Course Number: 1750

Prerequisite: 85 in Chemistry , Teacher

Recommendation, completion of summer assignment

Course Description: The AP Chemistry course is designed to be the equivalent of an introductory college chemistry course. Authorization has been granted to the instructor by the College Board for this course. The authorization granted to this instructor permits the school to use the "AP" designation on student transcripts. This course deals with a large focus on experimentation in relation to qualitative and quantitative aspects of chemical equilibrium, enthalpy and entropy changes, redox reactions, and organic reactions. Students are required to take the AP Chemistry exam.

AP Physics 1

Full Year-5 Credits

Level 5

Course Number: 1930

Prerequisite: 85 in Introductory Physics,

Pre-Calculus or concurrent, Teacher Recommendation, completion of summer assignment

Course Description: AP Physics 1 focuses on big ideas typically included in the first semester of an algebra-based, introductory college-level physics sequence, and provides students with enduring understanding to support future work in the sciences. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. Topics covered include: kinematics, Newtonian dynamics, circular motion, gravitation, simple harmonic motion, conservation of linear and rotational momentum, conservation of energy, rotational motion, electrostatics, DC circuits, mechanical waves and sound. Students are required to take the AP Physics exam.

AP Physics 2

Full Year-5 Credits

Level 5

Course Number: 1935

Prerequisite: 85 in Introductory Physics,

Pre-Calculus or concurrent, Teacher Recommendation, completion of summer assignment

Course Description: AP Physics 2 focuses on big ideas typically included in the second semester of an algebra-based introductory college physics sequence, and provides students with enduring understanding to support future work in the sciences. Through inquiry-based learning, students will develop critical thinking and reasoning skills. Topics covered include: Thermodynamics (ideal gases, kinetic theory), fluid statics and dynamics, electrostatics, DC and RC circuits, electromagnetism, optics, and modern physics (quantum, atomic, nuclear). Students are required to take the AP Physics exam. (Not Offered in 2023-2024)

Special Education

Integrated ELA

Full Year-5 Credits

Level 2

Course Number: 6820 Prerequisite: Placement in this course is determined by the IEP team

Course Description: The small group, individualized English programming aims to mirror curricula of Writing and Literature I and II, World, American, and European Literature while reenforcing and strengthening specific student deficits in foundational English Language Arts skills. Student participation of this course is assigned through their Individual Education Plans(IEP) at the discretion of their IEP team.

Integrated History

Full Year-5 Credits

Level 2

Course Number: 3400 Prerequisite: Placement in this course is determined by the IEP team

Course Description: This small-group, individualized history program aims to mirror the History and Social Science Framework. Students will examine political, economic, religious, scientific and culturally significant events and perspectives. Students will be assigned to this course through their Individual Education Plans (IEP) at the discretion of their IEP team.

Integrated Math

Full Year-5 Credits

Level 2

Course Number: 0702P Prerequisite: Placement in this course determined by the IEP team

Course Description: This small-group, individualized math program aims to mirror the curricula of Algebra I and Geometry while reinforcing and strengthening deficits in math foundational skills. Students will be assigned to this course through their Individual Education Plans (IEP) at the discretion of their IEP team.

Study Skills

Full Year-5 Credits

Level 2

Course Number: 6805 Prerequisite: Placement in this course is determined by the IEP team

Course Description: This small-group, individualized class focuses on increasing students' executive functioning skills, study skills, and social/emotional skills. Some of the skills addressed are time management, organization, goal setting, prioritizing, working memory skills, self-advocating, self-monitoring and self-awareness. Students will be assigned to this course through their Individual Education Plans (IEP) at the discretion of their IEP team.

Vocational Skills

Full Year-5 Credits

Level 2

Course Number: 3875 Prerequisite: Placement in this course is determined by the IEP team

Course Description: The small group, individualized Vocational Skill programming aims to support students with Communication and Social Pragmatics, Activities of Daily Living Skills, Self-Monitoring and Regulation Skills, Executive Functioning Skills, Social-Emotional Skills, and Post-Secondary Planning, while reenforcing and strengthening specific student deficits. Students learn about these skills and then have the opportunity to demonstrate real-life application. Student participation of this course is assigned through their Individual Education Plans (IEP) at the discretion of their IEP team.

Visual Arts

The visual arts curriculum stresses the importance of art as an intellectual expression as well as a creative endeavor. Students will engage in art production and art criticism and aesthetics. Students will study art history in order to develop skills that bring a better understanding of art's historical and cultural contexts and strengthen their ability to analyze and interpret the visual world.

Studio Art I: Methods & Materials

Full Year-5 Credits

Level 3

Course Number: 7815

Prerequisite: Open to all

Course Description: Studio Art: Methods & Materials will introduce students to the fundamentals of artistic expression. Through the use of various media, students will familiarize themselves with the basic elements of visual communication. Assignments will focus on the development of critical and aesthetic thinking.

Graphic Design

Full Year-5 Credits

Level 3

Course Number: 5045

Prerequisite: Open to all

Course Description: What makes a good design? Why do designers use certain colors, fonts, or images? In this class, you will learn about color theory, typography, creating areas of focus, and other areas of graphic design that will change the way you see everything around you. Students will have the opportunity to work with professional software and explore projects related to personal expression, business and logo design, brochure layout and design, graffiti art and much more.

Studio Art II: Choice of Two (2) Semester Courses – Prerequisite, Studio Art I

SEMESTER COURSES – Prerequisite, Studio Art I

Ceramics

One Semester- 2.5 Credits

Level 3

Course Number: 7920

Prerequisite: Studio Art I

Course Description: The course covers the basic methods of ceramics. Students will study coil and slab building, using molds and throwing on the wheel. The course will cover the creation of both sculptural and functional objects. In addition to construction, students will also explore decoration and glazing.

The Arts of World Cultures

One Semester- 2.5 Credits

Level 3

Course Number: 7925

Prerequisite: Studio Art I

Course Description: This course will allow students to explore a variety of non-western cultures through the universal language of the visual arts. Students will initially explore their own cultural roots in order to develop an acceptance and appreciation for non-western cultures. The project based curriculum will include hands-on activities, discussion and writing assignments. The course will provide students with knowledge and understanding of the variety of subcultures present in the United States, as well as those abroad, thereby opening the doors to a greater global understanding.

Studio Art History

One Semester- 2.5 Credits

Level 3

Course Number: 7930

Prerequisite: Studio Art I

Course Description: In this course students will explore important moments in the history of western art through a series of studio exercises. Through these studio experiences and lecture and discussion, students will be exposed to the reciprocal relationship between history and the visual arts in western culture. Focus will be placed on the development of the historical knowledge of art, its place in history and the accurate use of methods and materials.

Art and Design

One Semester- 2.5 Credits

Level 3

Course Number: 7935

Prerequisite: Studio Art I

Course Description: Through this course students will explore the principles of design in both two-dimensional and three dimensional works of art. Students will develop a practical understanding of the construction of a work of art, to include: research, design, production and critique. Units of study will include fine arts, graphic design, interior design and architectural design.

Digital Photography

One Semester- 2.5 Credits

Level 3

Course Number: 7940

Prerequisite: Studio Art I

Course Description: The digital photography course is a basic introduction to photography with an emphasis on the use of a digital camera, composition, picture taking and image manipulation. Students will explore the camera as an artistic tool and a recording device. In addition to exploring the technical aspects of photography, students will be introduced to the critical, conceptual and historical facets of the photographic process.

Advanced Art Courses – Prerequisites are Studio Art 1 and two Art electives**Advanced Studio Art**

Full Year-5 Credits

Level 3

Course Number: 7945

Prerequisite: Studio Art I and two Art Electives

Course Description: Advanced Studio Art offers the advanced student the opportunity to develop his or her own areas of study. Students will work on a more independent basis, creating artwork using a wide variety of media. With the assistance of the instructor they will design accompanying instructional units to be presented to the class.

Portfolio

Full Year-5 Credits

Level 4

Course Number: 7955

Prerequisite: Advanced Studio Art or 15 credits in Art

Course Description: Students considering this course should be self-motivated and interested in the visual art field. The Portfolio course will focus specifically on the development, organization, and presentation of a complete portfolio for the aspiring post-secondary art student.

AP Drawing

Full Year-5 Credits

Level 5

Course Number: 7975

Prerequisite: Instructor Permission and 15 credit

Course Description: The Advanced Placement Studio Art course is intended for highly motivated students seriously committed to studying the visual arts. The course will allow students to produce college level work while still attending high school. Students are required to submit a final portfolio of high quality artwork that will be reviewed by a College Board panel and give the student the opportunity to earn college credit.

World Language

Maynard High School offers two world languages: French and Spanish. The goal of these classes is to provide students with opportunities to improve their abilities to communicate with others in our world. Massachusetts state colleges require the successful completion of two years of one foreign language in order to be admitted. Some colleges recommend that students take three years or more. The World Language Department recommends at least a third year (honors level) for highly motivated students who wish to continue the success of the prior two beginning levels. Students can fulfill the requirements through the following sequences:

Spanish 1, French 1

Spanish 2, French 2

Spanish 3 CP or Honors, French 3 CP or Honors

Spanish 4 Honors(Pre-AP), French 4 Honors(Pre-AP)

French 5 Honors, Spanish 5 Honors

Advanced Placement(AP) French Language & Culture

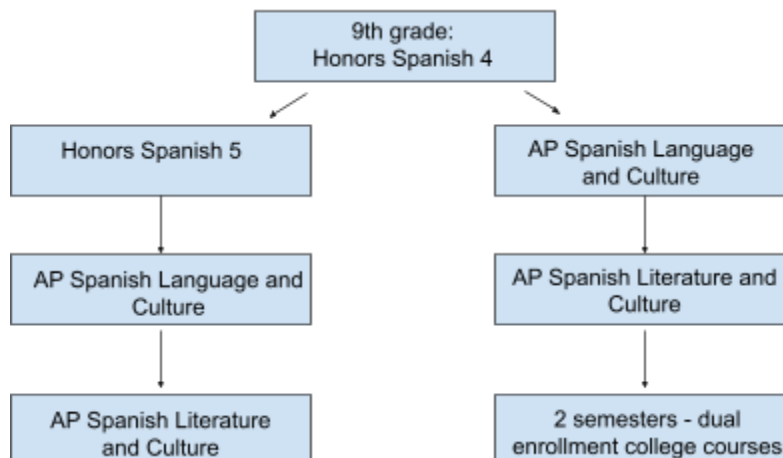
Advanced Placement(AP) Spanish Language & Culture

Advanced Placement (AP) Spanish Literature & Culture

Students entering MHS who have gone through the Spanish Immersion Program have a few options. If they wish to continue with Spanish, the following flow chart explains what they can plan for. The recommendation is for SI students to take Honors Spanish 4 as freshmen. From there, their skills will be assessed and they can either take Honors Spanish 5 or AP Spanish Language & Culture. They would then continue down the flow chart.

Students who have taken both AP Spanish courses by the end of their junior year may take our new UMass Lowell Spanish courses. These college level classes will enable our most advanced Spanish students to continue earning college credit after the Advanced Placement curriculum.

*Students may also wish to begin their studies of French, thereby gaining fluency in a third language.



French 1

Full Year-5 Credits

Level 3

Course number: 4050

Prerequisite: Open to all

Course Description: This course provides an introduction to the fundamentals of the French language. Equal emphasis is placed on the four basic skills of language acquisition: listening, speaking, reading and writing. The study of grammar is an essential part of this course. Aspects of contemporary French culture are also discussed.

French 2

Full Year-5 Credits

Level 3

Course number: 4250

Prerequisite: French I or Middle School French

Course Descriptions: This course is designed to continue the development of the listening, speaking, reading and writing skills of the French language. Vocabulary will be expanded and grammatical skills further developed. Particular attention will be given to the listening and speaking skills. The teacher will use the target language as a practical means of communication. The study and appreciation of French culture throughout the world will be an integral part of this course.

French 3

Full Year-5 Credits

Level 3 or 4

Course Numbers: CP: 4350 Honors: 4360 Prerequisite: French II, Teacher recommendation, 70 average in French 2

Course Description: This is an intermediate level course and it is designed for the student who wishes to continue toward advanced levels of proficiency in the four foreign language skills: listening, speaking, reading, and writing. Students will continue an in-depth study of French grammar and put it into practice with daily, in-depth and sustained conversations in the target language.

Honors French 3 has the same material as French 3, but has lengthier assignments, a higher expectation of class participation and speaking in French, longer tests and essays, and is taught at a faster pace.

French 4 Honors

Full Year-5 Credits

Level 4

Course number: 4500
70 average in French 3

Prerequisite: French III, Teacher recommendation,

Course Description: This course is a continuation of the development of listening, speaking, reading and writing skills in French. A thorough review of grammatical structures will take place, in addition to daily, sustained conversations in French.

Goals:

French 5 Honors

Full Year-5 Credits

Level 4

Course number: 4600
recommndation, 70 average in French 4

Prerequisite: French 4 Honors, Teacher

Course Description: Students will converse on a daily basis in French about a wide variety of topics. Students will perfect the four foreign language skills of speaking, listening, reading and writing by way of a thorough grammar review, in-depth writing assignments, advanced readings and sustained near-native conversations in French.

AP French Language and Culture

Full Year-5 Credits

Level 5

Course number: 4610 Prerequisite: French 4 Honors and recommendation of teacher

Course Description: The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpretive, interpersonal, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP French Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions). The course is based on six required course themes that integrate language, content, and culture into a series of lessons and activities. Within each theme are recommended contexts and overarching essential questions that engage students, guide their classroom investigations, and promote the use of language in a variety of contexts. The themes of the course are: Families and Communities; Personal and Public Identities; Beauty and Aesthetics; Science and Technology; Contemporary Life; Global Challenges

Spanish 1

Full Year-5 Credits

Level 3

Course number: 4000

Prerequisite: Open to all

Course Description: This is a Beginner Level Course. This course provides an introduction to the fundamentals of the Spanish language. Equal emphasis is placed on the four skills of language: listening, speaking, reading and writing. The present and preterite tenses and practical daily-usage vocabulary will be introduced. The study of Hispanic cultures throughout the world will be an integral part of the course.

Spanish 2 (Same as Fr 2?)

Full Year-5 Credits

Level 3

Course number: 4200

Prerequisite: Spanish 1, mastery of grammatical concepts taught in Spanish 1 and earning passing grades for the entire year

Course Description: This is an Advanced Beginner Level Course. This course is designed to continue the development of the four skills of language which began in Spanish 1: listening, speaking, reading, and writing. The study of Hispanic cultures throughout the world will be a continued focus of the course. Vocabulary will be expanded and grammatical skills will be further developed with the introduction of many new tenses and structures. Students will be able to communicate about food, news sources, celebrations, and the past, among other cultural topics.

Spanish 3

Full Year-5 Credits

Level 3 or 4

Course Number: CP: 4300 Honors: 4400

Prerequisite: Spanish 2.70 average in Spanish 2 and teacher recommendation to take honors course

Course Description: This is an Intermediate Level Course. This course is designed to give students the opportunity to continue toward advanced levels of proficiency in the four skills of language: listening, speaking, reading, and writing. This course is conducted primarily in Spanish and students taking it should plan to spend time listening to and practicing Spanish outside of class time to further their command of speaking and grammar skills. Essay writing and reading of literature will also be worked on during this course, along with the continued study of Hispanic cultures around the world. This course focuses heavily on grammar, and will cover every commonly used verb tense used in the Spanish language.

Spanish 4 Honors

Full Year-5 Credits

Level 4

Course Number: 4450

Prerequisite: 70 average in Spanish 3 or 3 honors and recommendation of the teacher

Course Description: Students who decide to take Spanish 4 Honors must have a very good understanding of the Spanish grammar taught in previous years. The grammar is in the appendix of the Spanish 4 textbook and is gone over as a review, but it is understood that students are already familiar with the formation and uses of all verb tenses and other grammatical concepts previously taught. During this year, the history, culture, politics, famous citizens, and literature of Spanish-Speaking countries will be taught in Spanish. All discussion and notes are done in Spanish. An even higher expectation for speaking in Spanish is placed on students in this class. Cultural concepts taught include historic events, cultural contributions, and important influencers of Spain (Prehistory to current day), Mexico, Guatemala, Cuba, Dominican Republic, and Puerto Rico. All activities will be conducted in Spanish. Students in this course will write essays, have group discussions, do small group projects, and complete a major individual project covering a cultural concept of their choice (during 2nd semester). Students are encouraged to spend time listening to and practicing Spanish outside of class.

Spanish 5 Honors

Full Year-5 Credits

Level 4

Course Number: 4460

Prerequisites: 70 average in Honors Spanish 4 and teacher recommendation

Course Description: Honors Spanish 5 is a course in which advanced students will be exposed to and analyze authentic pieces of literature, poetry, and film. Students will study diverse cultures of the Spanish-speaking world and will make connections to other communities, including their own. Vocabulary acquisition and practice is related to the themes covered. Grammar instruction and practice will enable students to communicate effectively and clearly at a more advanced level. Students will work independently and collaboratively through activities such as reading, writing, research, and presentations. Students who successfully complete this course will be prepared to take AP Spanish language and culture. Instruction and class discussions are conducted in Spanish.

AP Spanish Language and Culture

Full Year-5 Credits

Level 5

Course Number: 4700

Prerequisite: Teacher recommendation, completion of summer work

Course Description: The College Board describes this course as the equivalent to a third year college level course in Spanish grammar, composition and conversation. It is geared toward the most motivated students of Spanish who wish to take the Advanced Placement test in early May and achieve a score of 3, 4, or 5 on the exam to receive college credit. The course focuses on perfecting the skills learned in all previous years of study. Students wishing to take this course should have the strongest command of all aspects of grammar, writing, and speaking, and must be willing to work both in and out of class on all four skills in order to achieve full fluency by the test date in May. The course load is intensive as it attempts to prepare students for excellence on the exam, as well as for future, regular use of the language in daily life. In addition to class discussions, increased outside-of-class practice, and traditional assignments, students will make presentations on various current events related to each topic. In order to be successful, students must come to every class prepared to use only Spanish and spend time outside of class listening to and practicing Spanish. Throughout the year, we will practice all the parts of the AP exam so students are familiar with the format and expectations. Concepts covered in this course include economy, environmental issues, access to technology, health and medicine, education, lifestyles, national heroes and historical figures, global citizenship, and creativity.

AP Spanish Literature and Culture

Full Year, 5 credits

Level 5

Course Number: 4710

Prerequisite: AP Spanish Language and Culture, or instructor's permission, and summer work

Course Description: AP Spanish Literature is equivalent to a college level introductory survey course of literature written in Spanish. Students continue to develop their interpretive, interpersonal, and presentational skills in Spanish language as well as critical reading and analytical writing as they explore short stories, novels, plays, essays, and poetry from Spain, Latin America, and U.S. Hispanic authors along with other non-required texts.

UMass Lowell Spanish

Two Semesters, 2.5 credits each

Level 5

Course Number:

Prerequisite: AP Spanish Language, AP Spanish Literature OR UMass Placement Exam.

Course Description: Each semester, a UMass Lowell Spanish professor will offer an intermediate level course in Spanish language, literature, and/or culture. Students will be able to take one or two semesters, and to earn college credit as well as MHS credit.