

CARDINAL SPELLMAN HIGH SCHOOL

Brockton, Massachusetts

Program of Studies for 2022-2023



Dear Students and Parents,

The course selection process is one of the most important opportunities in a student's high school career for shared thoughtful discussion, goal setting, and effective decision-making. We encourage students to select courses which will allow them to develop their talents, challenge them intellectually, maximize their potential, and facilitate their smooth transition to the next steps in their educational development. Such serious goals require time and planning. They also demand that students make deliberate choices and live with those decisions as responsible persons. As you select courses for next year please consider how those classes fit into the entire sequence of courses you anticipate for your four years at Spellman.

All students will have occasion to consult with their school counselors, current teachers, department chairpersons and administrators so that they will be able to make informed, responsible decisions. We call on you as parents to take the time to discuss educational goals with your son/daughter and assist him/her in making appropriate choices. Please visit the Cardinal Spellman website at Spellman.com which will provide you with information shared with students during curriculum meetings.

If you need assistance or have questions during this process, please do not hesitate to contact me, Mrs. Christine Evans, or the School Counseling office. As always, we are committed to partnering with you throughout this process of course selection.

Sincerely,

Paul Kelly
Principal

INSTRUCTIONAL LEVELS

All courses provide each student the opportunity to maximize his/her potential. Based upon realistic self-assessment, students are encouraged to select a course of study that is consistent with their current academic goals and future aspirations, as well as their motivation to succeed and put forth their best effort. The instructional levels offered at Cardinal Spellman High School are:

COLLEGE PREPARATORY: (CP) College Preparatory courses provide a relevant, challenging curriculum with expectations for steady academic growth, knowledge and skill building, through active engagement in the learning process. College Preparatory level courses are designed to ensure that students are college-ready upon completion of the graduation requirements, by creating opportunities for students to become confident independent thinkers and creative problem-solvers.

HONORS: (H) Honors level courses are designed for students who consistently demonstrate above average academic achievement, strong skills, and the motivation to do the necessary work to achieve success in an accelerated, challenging academic program. Success in Honors level courses requires students who are organized, able to take initiative, willing to put in extra time and effort, and capable of working independently. An Honor student is committed to continuing his/her formal academic learning in a four year institution. Students must meet the specific prerequisites for each honors level course.

ADVANCED PLACEMENT: (AP) Advanced Placement courses provide the opportunity for students to engage in College level work while attending high school. AP courses are offered in: U. S. History, English Language & Composition, English Literature & Composition, Modern European History, Modern World History, US Government, Calculus, Biology, Chemistry, Physics, Psychology and Studio Art. The AP program provides the opportunity to earn college credit at one of the hundreds of colleges or universities that participate in the Advanced Placement program. In May, at the completion of the course, students take the Advanced Placement Exams developed by the College Entrance Examination Board. Students scoring a qualifying grade on the Advanced Placement Exam may be awarded college credit.

This is a student-financed exam cost: approximately \$92.00 per exam.

GRADUATION REQUIREMENTS

The minimum requirements for graduation from Cardinal Spellman High School are 24 core college preparatory courses:

4 Theology courses

4 English courses

4 Mathematics courses

2 courses in one Modern Foreign Language

3 Lab Sciences, including Biology and Chemistry

3 History courses, including World History 1 and 2, and US History

*Starting with the class of 2026, Modern World History, US History, and US Government are required.

In addition students are required to take:

Grade 9: Health and Wellness 1, and (1) Fine Arts Elective

Grade 10: Health and Wellness 2

Grades 10, 11, and 12, (1) Minor Elective each year

In order to earn a Spellman Diploma and thus to participate in graduation exercises, all students must successfully complete the above requirements; in addition, seniors must pass all of their senior year courses.

The most selective colleges and universities will expect to see the following courses beyond the minimum graduation requirements:

Minimum of 3 years of a World Language, Science sequence of Biology, Chemistry and Physics.

INTRODUCTION

The academic program at CSHS is designed so that, with careful selection, each student may acquire the appropriate background for a successful post-secondary education. We urge all students to pursue a program that is as demanding and challenging as possible in order to: (1) develop their God-given talents to the fullest; (2) increase their chances for admission to the best possible college; and (3) expand their options and potential for success in college and life.

Parents are encouraged to be involved in this process, guiding their sons and daughters in the selection of appropriate courses, seeking the advice of the school counselors and/or the department chairpersons.

CURRICULUM

All students are required to take six (6) complete core courses each year.

At the freshman level, Health & Wellness 1 and a Fine Arts Elective are also mandatory. The CSHS administration and department chairpersons work together to design each freshman student's program. Students who meet the criteria and show potential to be successful in the most challenging level of work are invited to participate in the Honors-at-Entrance program, which includes Honors level courses in some or all of the following content areas: English, History, Mathematics, Science and World Language. The program is designed to fit students' specific strengths; the program is individualized, with students invited to enroll in one, two, or more of the available Honors level classes.

At the sophomore level, Health & Wellness 2 and a Minor Elective course are mandatory.

At the Junior and Senior levels, an additional Minor Elective course is mandatory.

FRESHMAN YEAR

Core Content Required Courses (6):

Theology, English, Mathematics, Biology *or* STEM, Modern World History, World Language

PLUS: Health & Wellness 1 and **(1)** Fine or Performing Arts Elective

SOPHOMORE YEAR

Core Content Courses Required (6): Theology, English, Mathematics, Science, History, World Language

PLUS: Health & Wellness 2 and **(1)** Major or Minor Elective

JUNIOR YEAR

Core Content Required Courses (5): Theology, English, Mathematics, History, and Science

Major Core Elective (1): See options in content areas

Minor Elective(1): See options in subject areas

SENIOR YEAR

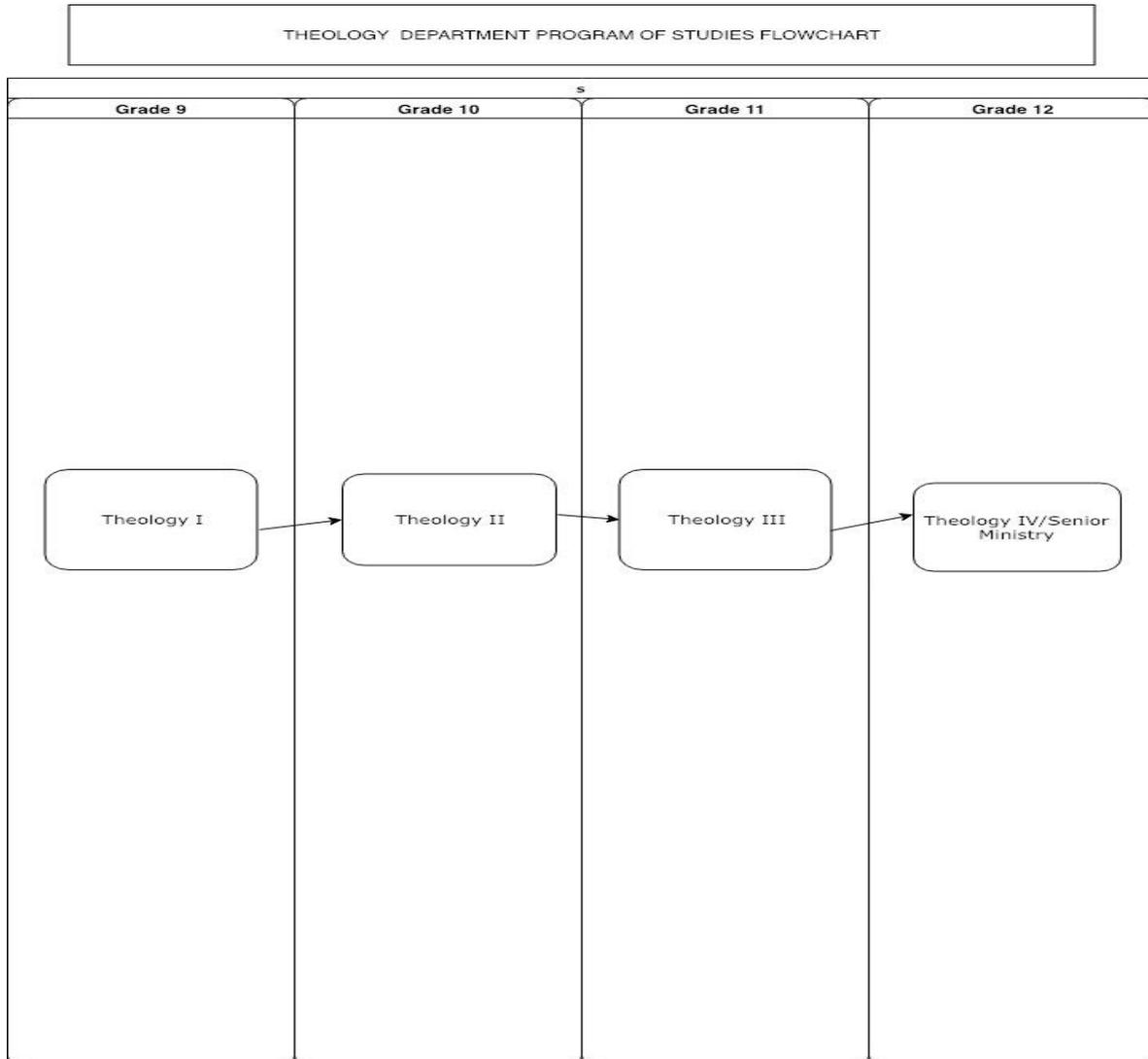
Core Content Required Courses (3): Theology, English and Mathematics

Major Core Electives (3): See options in content areas

Major or Minor Elective (1): See options in subject area

THEOLOGY DEPARTMENT

The Theology Department aims to encourage, support, nurture and direct the student to a more mature understanding of his/her Catholic Christian Faith. The curriculum has been designed in accordance with the United States Conference of Catholic Bishops Document: ***Doctrinal Elements of a Curriculum Framework for Young People of High School Age***. The person and message of Jesus Christ is central to our curriculum. Our students are challenged to make their lives a lived response to the teachings of the Catholic Church. They will study the *Scriptures, Ecclesiology, the Sacraments, and Morality. Vocations and How to Live as a Disciple of Jesus Christ* is the final section of our core curriculum. There is a strong social justice theme running throughout our program with opportunities to serve both the local community and beyond. Students are encouraged to integrate academics with their lived experience, to be role models for others, to participate in prayer and worship services, to make good moral choices and to reach out in service to others consistent with the mission of the Church and Cardinal Spellman High School. **A SERVICE COMPONENT IS A REQUIREMENT FOR ALL FOUR YEARS AND A REQUIREMENT FOR GRADUATION.**



5100 THEOLOGY 1

Grade 9 Core Requirement

This course provides freshmen with a general appreciation of the Scriptures as the living Word of God. They will become familiar with both the Hebrew and Christian Scriptures and learn how to read the Bible. Particular attention will be given to the four accounts of the Gospel through which they may grow to know and love Jesus Christ in a more personal way. Semester 2 will focus on the Paschal Mystery, the central story of our faith. A component of the Theology of the Body Curriculum will be implemented in term 4 as well

5200 THEOLOGY 2

Grade 10 Core Requirement

This is a two semester course focusing on Ecclesiology paired in the second semester with Sacramental Theology. Semester 1 examines the sacred nature and the mystery of the Church and students will grow to appreciate that in and through the Church they encounter the living Jesus Christ, head of the Church, Body of Christ. They will be introduced to the fact that Jesus Christ founded the Church upon St. Peter and the Apostles and that the Holy Spirit is the soul of the Church and the source of her life. Semester 2 provides an opportunity to encounter Christ in a full and real way. The focus of this course is to study in depth the seven sacraments, with concentration on the Eucharist. The course explores the history, scriptural foundation and current practices of the sacraments. A component of the Theology of the Body curriculum will be implemented in term 4 as well.

5300 THEOLOGY 3

Grade 11 Core Requirement

This course provides a conceptual understanding of Christian morality. The students are introduced to the moral concepts, precepts and other laws of the Church that guide them in living as Christ's disciples. We will explore virtuous living, conscience formation, and the Catechism of the Catholic Church. Critical thinking will be at the forefront of our learning in an effort to be guided to live a moral life. Term 4 will be dedicated to a more intensive study of Saint John Paul II's Theology of the Body.

The Senior Campus Ministry program

Grade 12 Core Requirement

The **Senior Campus Ministry program** is a comprehensive peer leadership /vocations full year course at Cardinal Spellman High School. This course has three components: academics, formation and ministry. Integral to the mission of the school, our focus is on leadership development to ensure the continued involvement in evangelization and service to our Church beyond high school. Each student will develop team-building skills, a theological understanding of ministry, liturgical planning skills, and have the opportunity for ongoing faith development. The vocation component of the course will cover areas of a Christian lifestyle such as work, money and possessions, suffering and death, relationships, and vocations to the single, married and vowed/ordained religious life.

PREREQUISITE: All students must submit an application to their Theology teacher. Decisions are made based on the application, ministry skills, past performance in Theology classes, and the ministry needs of Cardinal Spellman High School.

5410 PEER MINISTRY/VOCATIONS (God Squad)

This course is designed to offer ministerial training and practice to those students who feel called to further live out their Christian identity as disciples of Jesus Christ. Its foundation is prayer and participants will be committed to regular prayer, reading the Scriptures, faith sharing, leading prayer services, preparing for and leading the community in monthly liturgies, ministering to their peers and evangelization.

5430 ADORATION MINISTRY/VOCATIONS (Prayer Posse)

This course is designed to offer ministerial training to students. There are opportunities throughout the year for students to be actively involved in planning and leading community prayer experiences including First Friday Adoration services. Also a part of this ministry course is the design, planning and leading grade level retreats. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

5460 LIFE MINISTRY/VOCATIONS (Lifeguard)

This ministry course will provide an opportunity for students to engage in a variety of activities that support and celebrate The Church's consistent ethic of life policy; protecting life from conception to natural death. Students will minister to the school community and society through their personal witness and through direct service and/or social action. Analyzing social problems, learning helping skills, facilitating CSHS community involvement and Implementing strategies for caring for the needs of the poor make up the course content. Its foundation will focus on prayer, Scripture study, faith sharing, leading prayer services, advocacy and evangelization.

5510 SPIRITUAL LIFE MINISTRY/VOCATIONS (Holy Heroes)

This ministry course will provide an opportunity for students to be counter-cultural in looking to the wisdom and the ancient practices of the Catholic faith. Special focus will be given to Ignatian spirituality. Students then will be able to lead their peers in a fuller understanding of how to make these practices a part of their daily walk with Christ. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services, retreat work, and evangelization.

5490 HEALING MINISTRY (Team Mercy)

This ministry course will provide an opportunity for students to engage in a variety of activities that support and celebrate the healing scriptures and Church teaching on healing. Special emphasis will be given to the writings of Saint Faustina. There will be opportunities to lead Lead Divine Mercy healing prayer services, creating an annual event to remember all souls, and to be curators of sacramentals. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

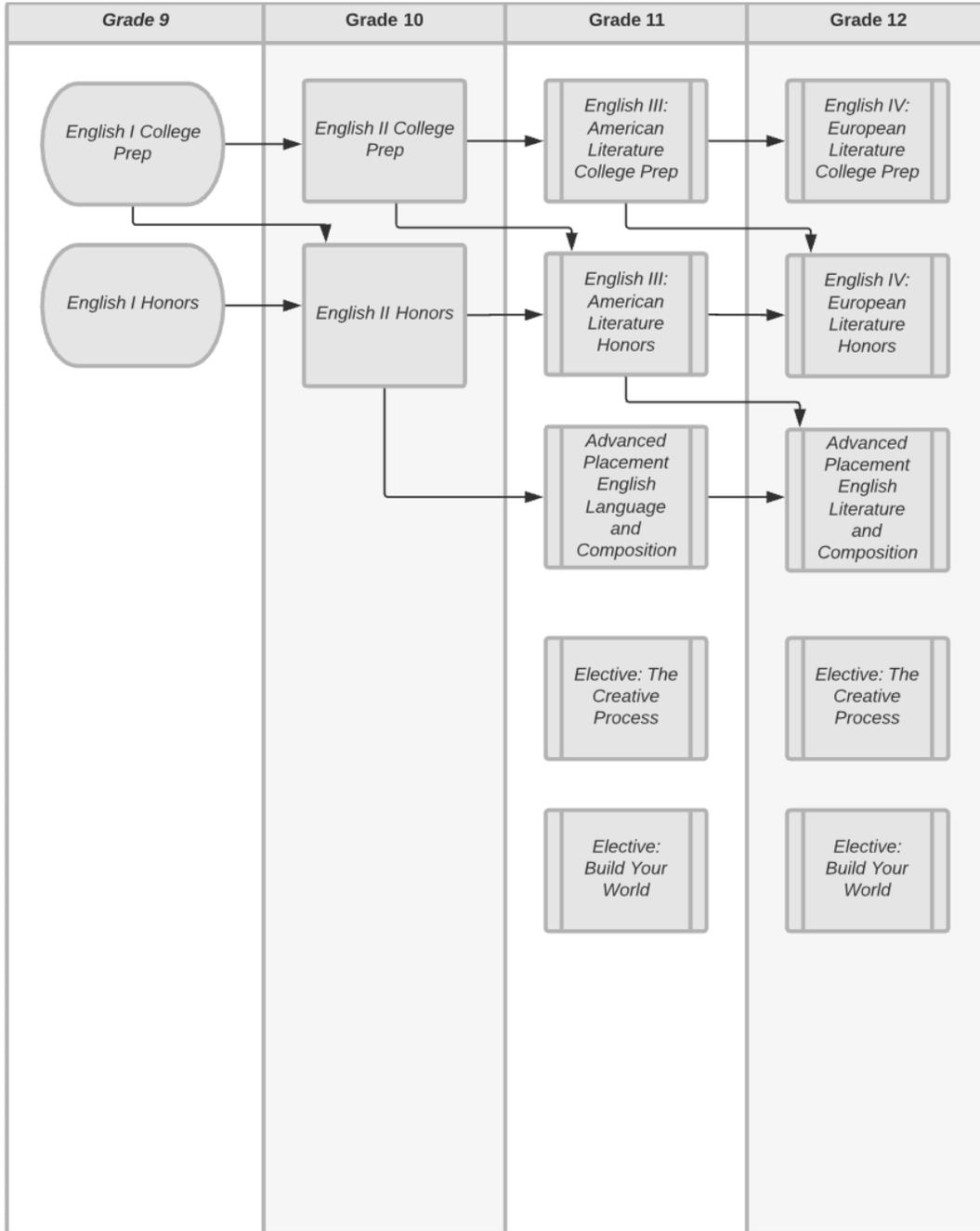
Theology Minor Electives**5710 INTRODUCTION TO PHILOSOPHY**

Grades 10,11,12

Socrates has said, "the unexamined life is not worth living," and so this course will allow students to evaluate our world today and their own lives using philosophers from ancient, medieval, modern, and contemporary times. It will introduce the students to various topics such as, the universe and God, the nature of the human person, knowledge and truth, and friendship and the ideal community.

ENGLISH DEPARTMENT

Four years of English are required with the expectation that the students will be equipped to: (1) comprehend, interpret and evaluate what they read; (2) write well-organized, effective papers; (3) listen effectively and discuss/present ideas intelligently; and (4) know our literary heritage and how it relates to the customs, ideas and values of today's life and culture.



1100 ENGLISH 1**Grade 9 Core Requirement**

English 1 is a survey course designed to support students in continuing to develop skills in critical reading, written composition, usage, vocabulary, and introductory literary analysis. A variety of writing styles and techniques is introduced, and a major focus is on writing formal, well-structured essays throughout the year, for a variety of purposes.

1101 ENGLISH 1 HONORS**Grade 9 Core Requirement**

Intensive treatment of the topics covered in English 1, for highly-motivated students with strong reading and writing skills. Students are exposed to literary devices and analysis. A variety of writing styles and techniques are introduced, with a focus on honing skills in writing formal, well-structured essays throughout the year, for a variety of purposes.

1200 ENGLISH 2**Grade 10 Core Requirement**

This course reviews literary genres using a variety of classical and contemporary selections. It includes a review of usage, vocabulary and writing skills, and techniques for writing a variety of structured essays. The course aims to increase competency in critical reading, writing, speaking, listening skills, and analysis of written works. There is an emphasis on the mechanics of producing clear, concise written communication, presenting material orally, and building research skills for evidence-based writing.

1201 ENGLISH 2 HONORS**Grade 10 Core Requirement**

A more intensive study of a variety of literary genres for the highly-motivated student to strengthen and expand high levels of competency in critical reading, writing, listening, speaking skills as well as advanced analysis. There is an emphasis on producing a variety of clear, well-organized, and concise essays, presenting material orally, and honing research skills for evidence-based writing.

PREREQUISITE: Departmental approval based on B average in Honors English 1; A- average in College Prep English 1; and other criteria.

1300 ENGLISH 3**Grade 11 Core Requirement**

This course offers a thematic and historical approach to the study of American literature. It includes a review of usage, vocabulary and writing skills, and techniques for writing a variety of structured essays. The course includes a rigorous focus on critical reading and analysis skills as well as a continuation of practicing composition skills in written literary analysis and research papers.

1301 ENGLISH 3 HONORS**Grade 11 Core Requirement**

Intensive treatment of American literature and its historical context; frequent written assignments demanding critical thinking and organized response; techniques for writing a variety of structured essays. The course includes a rigorous focus on critical reading and analysis skills as well as a continuation of practicing composition skills in written literary analysis and research papers.

PREREQUISITE: Departmental approval based on B average in Honors English 2; A- average in College Prep English 2; teacher recommendation and other criteria.

1303 ADVANCED PLACEMENT ENGLISH LANGUAGE & COMPOSITION Grade 11 Core Requirement

As an equivalent to a first-year university course, AP Language and Composition requires a commitment to independent learning and strong study skills. The focus in this course is on becoming a critical thinker and an individual aware of the world around him/her and capable of communicating one's ideas about it strongly and purposefully.

All students are expected to write the AP English Language and Composition exam in May.

PREREQUISITE: Departmental approval based on A- average in previous Honors English courses; above-average verbal skills as demonstrated in standardized testing; above-average writing skills; effective class participation; and other criteria

1400 ENGLISH 4

Grade 12 Core Requirement

This is a year-long course focusing on British Literature paired in the second semester with 20th and 21st Century World Literature. First semester students will examine characters and themes from works in a wide range of the British Literature canon. During the second semester, students will decipher who we are today, and examine how authors are addressing the current ideas of the time through their writings. Students will continue practicing composition skills in written literary analysis and research papers.

1401 ENGLISH 4 HONORS

Grade 12 Core Requirement

This is a year-long course focusing on British Literature paired in the second semester with 20th and 21st Century World Literature. First semester students will examine characters and themes from works in a wide range of the British Literature canon. During the second semester, students will decipher who we are today, and examine how authors are addressing the current ideas of the time through their writings. This course is a more intensive treatment of the courses; weekly writing assignments demanding critical thinking and organized responses, as well as a rigorous focus on critical reading and literary analysis skills.

PREREQUISITE: Departmental approval based on B average in Honors English 3; A- average in College Prep English 3; teacher recommendation and other criteria.

1403 ADVANCED PLACEMENT ENGLISH LITERATURE & COMPOSITION Grade 12 Core Requirement

Intended to prepare highly qualified students for the Advanced Placement Examination in English.

Students will be required to analyze, discuss and critique major works of literature. The nature of the course requires that class size be limited. A reading list will be provided in the spring to allow the student time for initial reading during the summer. Course requirements include a term paper

Students must take the Advanced Placement Examination at the completion of the course in May.

PREREQUISITE: Departmental approval based on B+ average in AP English Language and Composition or A- average in previous Honors English courses; above-average writing skills, teacher recommendation; and other criteria.

ENGLISH DEPARTMENT MAJOR ELECTIVES

1661 CREATIVE PROCESS

Grades 11, 12 Core Elective

Creative Process examines what it takes to be creative in all forms of art, including but not limited to traditional art, writing, music, and film. Students will not only study the "who, what, why, and how" in varied forms of art, but also try their hand at creating something unique to themselves. Creative Process is a project-based class; students are primarily responsible for keeping up with their work on their own time as the course focuses on the theory, history, and technical aspects behind these various subjects. A year-long project that offers near-complete creative freedom is a foundation of the course and is a requirement for those enrolled.

ENGLISH MINOR ELECTIVES

9500 SAT PREP/REVIEW (Math & English)

Grade 10, 11

This course is designed to provide skill-building techniques and practice for the SAT exams in Mathematics and English. English topics that will be covered include vocabulary in context, reading comprehension, word analysis, and sentence completion. Math topics will focus on the heart of Algebra and Problem Solving & Data Analysis. Students will be given practice tests to acquaint them with the format of the test and taught strategies to help them improve their scores.

1632 GRAPHIC NOVEL

Grade 10, 11, 12

Graphic Novel explores comic books as a form of communication, literature, modern mythology, and art. The exploratory is designed for students to acquire, practice, and master traditional and new literacies. Reading of particular texts will be required throughout the year.

1730 THE HERO'S QUEST

Grades 10, 11, 12

The Hero's Quest dives into the mythological, philosophical, artistic, and religious influences for some of the most popular and important works of fantasy and science fiction including but not limited to *Marvel*, *Star Wars*, *Harry Potter*, *DC Comics*, and *The Lord of the Rings*. Reading and viewing of the course material are required throughout the year from various texts. Prior knowledge of the topics covered in class is not necessary.

1710 WRITER'S WORKSHOP

Grades 10, 11, 12

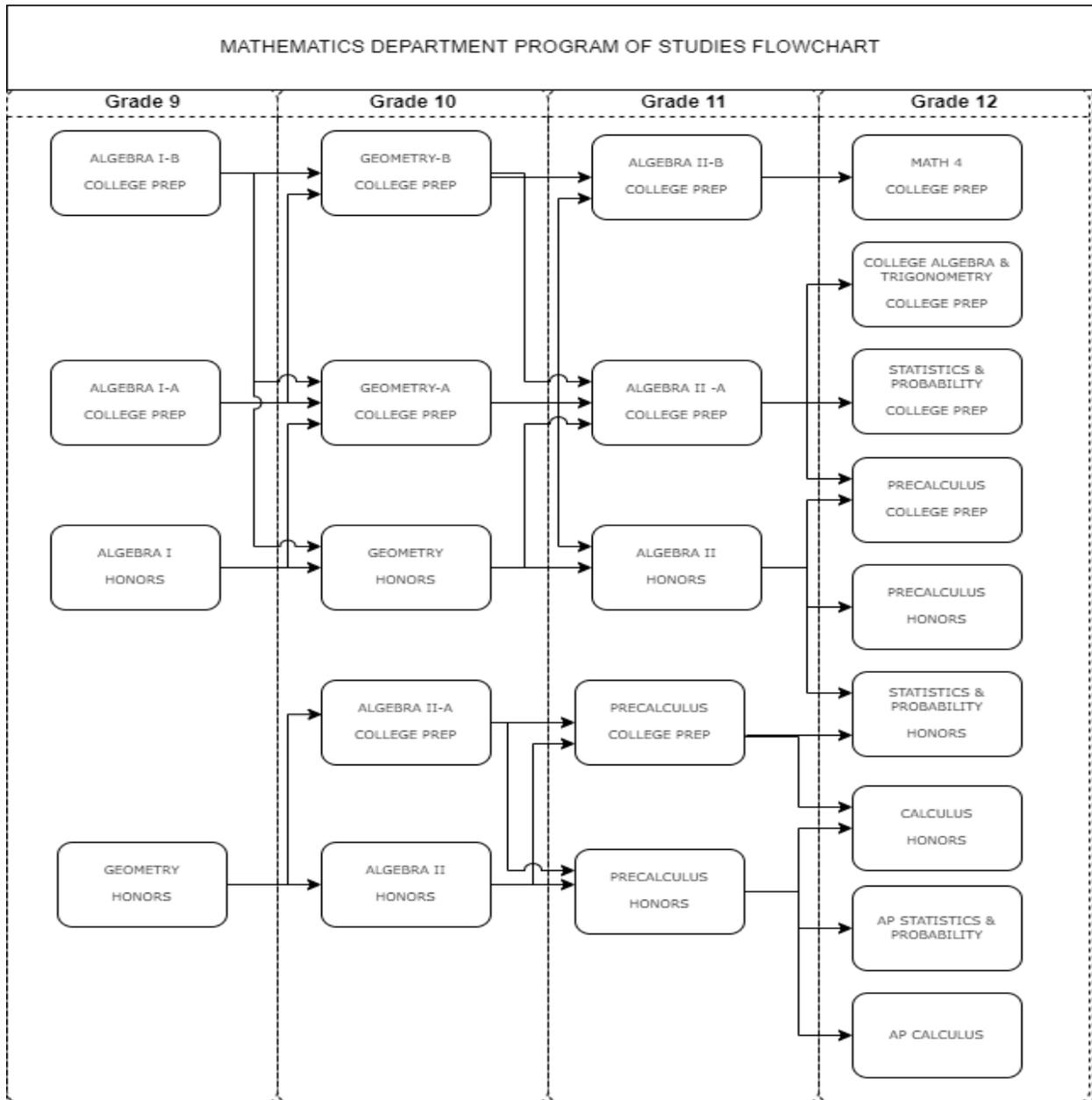
This is a workshop course aimed at developing the student's ability to write poetry and short fiction. Daily writing is required. The student must be willing to revise and share his or her work with classmates in order to evaluate writing techniques and develop the ability to judge effective writing. Emphasis will be placed on the student as editor of his or her own work and that of his or her peers. The course is recommended for any student with a strong commitment to writing.

MATHEMATICS DEPARTMENT

The Mathematics department aims to equip students to:

- (1) understand algebraic and geometric concepts;
- (2) understand elementary probability and statistics;
- (3) apply mathematics in everyday situations; and
- (4) estimate, approximate, measure and test the accuracy of their calculations.

CSHS students must take four years of mathematics. A math placement test is necessary for all incoming freshmen to assist in properly placing students in Mathematics courses. All students wishing to be considered for Geometry as freshmen must have department approval.



2180 ALGEBRA 1 B**Grade 9, 10 Core Requirement**

This course's emphasis is on learning and reinforcing basic algebraic skills and operations necessary for successful problem solving and subsequent math courses. Throughout the year students will learn expressions, equations, and inequalities, representing change between two quantities, linear functions, systems, exponential functions, and factoring.

2100 ALGEBRA 1 A**Grade 9,10 Core Requirement**

This intensive course is designed for high-ability math students. This course is taught with an emphasis on understanding the techniques of algebra and problem-solving. Throughout the year students will learn expressions, equations, and inequalities, representing change between two quantities, linear functions, systems, exponential functions, and factoring. Critical thinking and problem solving will be emphasized.

PREREQUISITE: Departmental approval or attainment of A- average in Integrated Math.

2101 ALGEBRA 1 HONORS**Grade 9 Core Requirement**

A more intensive treatment of the topics covered in Algebra 1. This course is designed for highly qualified students with substantial previous Algebra experience. The course proceeds more rapidly and in greater depth than 2100.

PREREQUISITE: Honors at Entrance and/or approval of department chair.

2280 GEOMETRY B**Grade 10, 11 Core Requirement**

Basic concepts of Geometry which include points, lines, and planes are discussed; various axioms, postulates, and theorems contribute to the understanding of proofs are studied. The reinforcement of algebraic concepts helps to foster an understanding of mathematical reasoning and to illustrate the interrelation between Geometry and Algebra. Basic trigonometric ratios are also explored.

2200 GEOMETRY A**Grade 10, 11 Core Requirement**

Intensive concepts of Geometry which include points, lines, and planes are discussed; various axioms, postulates and theorems contributing to the understanding of proofs are studied. The reinforcement of algebraic concepts helps to foster an understanding of mathematical reasoning and to illustrate the interrelation between Geometry and Algebra. Basic trigonometric ratios are also explored.

PREREQUISITE: Departmental approval or attainment of a B- average in Algebra 1-A; A- average in Algebra 1-B.

2201 GEOMETRY HONORS**Grade 9, 10 Core Requirement A**

more intensive treatment of concepts of Geometry which include points, lines, and planes are discussed; various axioms, postulates, and theorems contributing to the understanding of proofs are studied. The reinforcement of algebraic concepts helps foster an understanding of mathematical reasoning and illustrates the interrelation between Geometry and Algebra. Intensive trigonometric ratios will be explored. This course is designed for highly qualified students with substantial previous Algebra experience. The course proceeds more rapidly and in greater depth than 2200.

PREREQUISITE: Departmental approval based on a B average in Honors Algebra 1; A- average in College Prep Algebra 1-A

2380 ALGEBRA 2 B CP**Grade 11, 12 Core Requirement A**

basic review and extension of topics introduced in Algebra 1. Additional topics include: negative, fractional, and zero exponents, quadratic relations and systems, theory of quadratic equations, irrational and complex numbers, and problem-solving.

2300 ALGEBRA 2 A CP**Grade 10, 11, 12 Core Requirement**

An intensive review and extension of topics introduced in Algebra 1. Additional topics include: negative, fractional, and zero exponents, quadratic relations and systems, theory of quadratic equations, irrational and complex numbers, and problem-solving.

PREREQUISITE: Departmental approval or attainment of B- average in Geometry-A; A- average in Geometry-B.

2301 ALGEBRA 2 HONORS**Grade 11, 12 Core Requirement**

More intensive treatment of topics and techniques of Algebra 1. Additional topics include negative, fractional, and zero exponents, radical equations, polynomials of higher degree, rational functions, transformations of graphs, and considerable verbal problem-solving. This course is designed for highly qualified students with substantial previous Algebra experience. The course proceeds more rapidly and in greater depth than 2300.

PREREQUISITE: Departmental approval based on a B average in Honors Geometry; A- average in Geometry-A.

2400 MATH 4 CP**Grade 12 Core Requirement**

A review of concepts from Algebra and Geometry is required to be successful in a college Math I course. Special emphasis will be given to SAT preparation. Additional topics will focus on the application of math in "real life". These lessons would examine earning, creating a budget, investing, borrowing, taxes, etc.

PREREQUISITE: Department approval

2440 INTRODUCTION TO STATISTICS AND PROBABILITY CP**Grade 12 Core Requirement**

This course will provide a basic introduction to statistics and probability. Topics will include methods of collecting, organizing, and interpreting data; measures of central tendency, frequency distribution and graphical representations, introduction to probability and probability distributions, confidence intervals and hypothesis testing.

PREREQUISITE: Departmental approval based on an average of C in previous College Prep or Honors Math course

2441 STATISTICS AND PROBABILITY HONORS**Grade 12 Core Requirement**

More intensive and highly detailed treatment of topics covered in Introduction to Statistics and Probability. Topics will include methods of collecting, organizing, and interpreting data; measures of central tendency, frequency distribution and graphical representations, introduction to probability and probability distributions, confidence intervals, hypothesis testing, and Chi-Square.

This course is designed for highly qualified students with substantial previous mathematics experience. The course proceeds more rapidly and in greater depth than 2440.

PREREQUISITE: Departmental approval based on an A- average in previous College Prep or Honors Math course.

2445 AP STATISTICS**Grade 12 Core Elective**

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

Upon completion of this course, students are required to take the Advanced Placement Test.

Prerequisite: Departmental approval based on an A- average in Honors Algebra 2

2410 COLLEGE ALGEBRA AND TRIGONOMETRY**Grade 12 Core Requirement**

Designed to prepare students for work in college mathematics. The course provides a strengthening of mathematical skills and a thorough study of trigonometry. Concepts from Algebra include quadratic equations and functions, exponential and logarithmic functions. Recommended for college-bound students of average mathematical ability.

PREREQUISITE: Departmental approval based on an average of C in Algebra 2.

2420 PRECALCULUS CP**Grade 11, 12 Core Requirement**

An intensive math course that provides excellent preparation for college math. Topics include an in-depth review and extension of Algebra 2, exponential and logarithmic function, Trigonometry, and introduction to Calculus.

PREREQUISITE: Departmental approval based on a B- average in Honors Algebra 2 & Honors Geometry; B average in College Prep Algebra 2 & College Prep Geometry.

2411 PRECALCULUS HONORS**Grade 11, 12 Core Requirement**

A more intensive math course, with topics that include: polynomial, rational, exponential, and logarithmic functions, trigonometry, and its applications, sequences and series, concepts of limits and derivatives, and an introduction to Calculus. This course is recommended for students planning to pursue a mathematics-based major; engineering, health, or science studies. The course is designed for highly qualified students with substantial previous Algebra experience and an aptitude for Mathematics with intentions to proceed to Calculus Honors or AP Calculus. The course proceeds more rapidly and in greater depth than 2420.

PREREQUISITE: Departmental approval based on a B average in Honors Algebra 2 & Honors Geometry; A- average in College Prep Algebra 2-A & College Prep Geometry-A.

2431 CALCULUS HONORS**Grade 12 Core Requirement**

This course is intended for those students who have a thorough knowledge of college preparatory mathematics. Topics include a review and extension of Precalculus and Trigonometry. This course parallels a freshman college course in Calculus, emphasizing the techniques and practical applications of integration and differentiation.

PREREQUISITE: Departmental approval based on a B average in Honors Precalculus; A- average in College Prep Precalculus.

2433 ADVANCED PLACEMENT CALCULUS**Grade 12 Core Requirement**

For the superior math student considering a career in math or one of the natural sciences. A college-level course. The curriculum for this course is based on the College Board Standards.

Upon completion of this course, students are required to take the Advanced Placement Test.

PREREQUISITE: Departmental approval based on a B+ average in Honors Precalculus.

MATHEMATICS MINOR ELECTIVES**2700 PERSONAL FINANCE****Grade 11, 12**

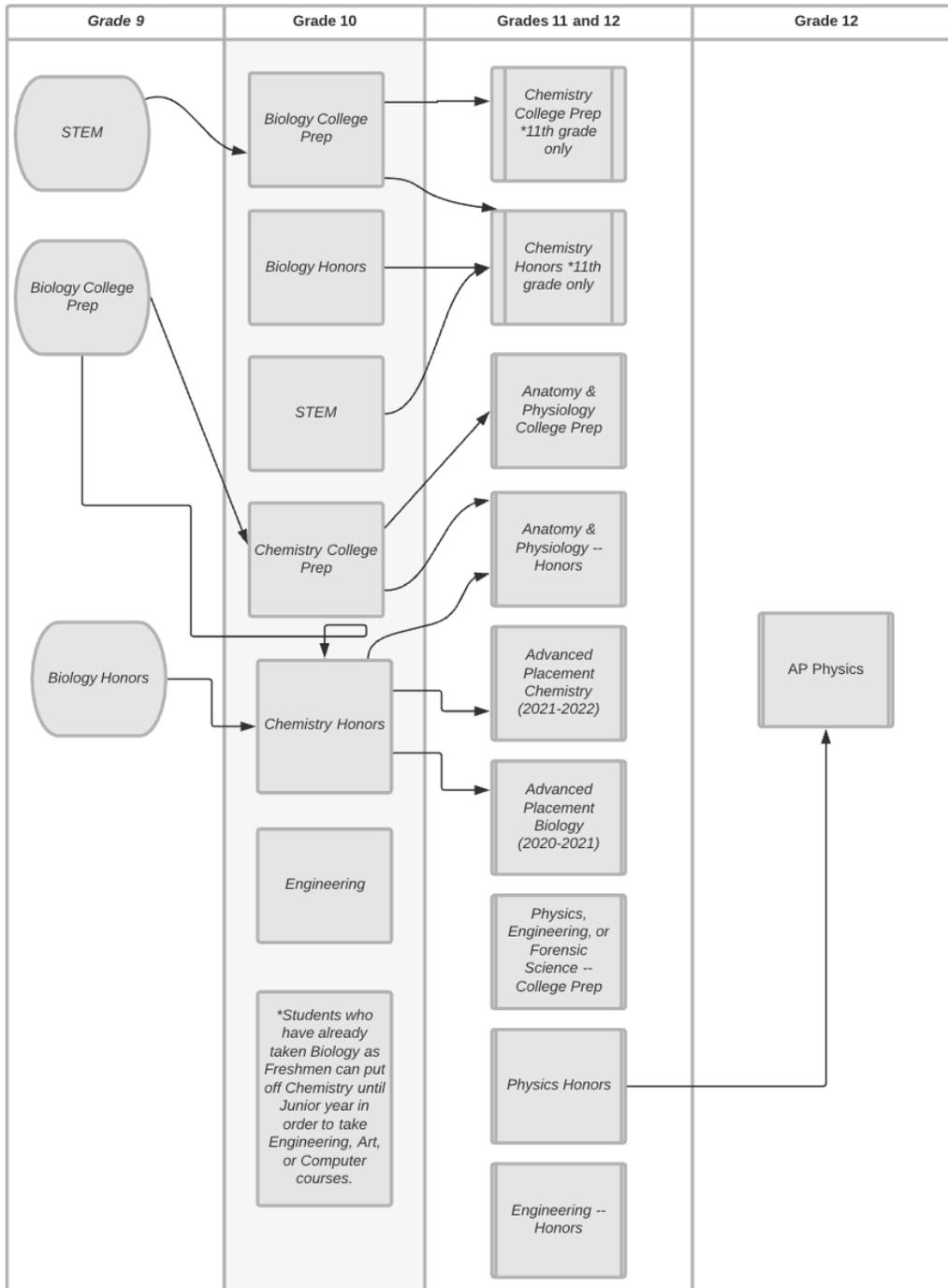
Understanding and managing personal finances are key to one's future financial success. This course presents essential knowledge and skills to make informed decisions about real-world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

9500 SAT PREP/REVIEW (Math & English)**Grade 10, 11**

This course is designed to provide skill-building techniques and practice for the SAT exams in Mathematics and English. English topics that will be covered include vocabulary in context, reading comprehension, word analysis, and sentence completion. Mathematics topics will focus on the heart of Algebra and Problem Solving & Data Analysis. Students will be given practice tests to acquaint them with the format of the test and taught strategies to help them improve their scores.

SCIENCE DEPARTMENT

CSHS students must take coursework in both the biological and chemical sciences. In addition to Biology and Chemistry, students must take the third year of science in order to meet the Massachusetts State College requirements. All freshmen must take a science course. They may choose STEM, Biology, or Biology Honors (Honors @ Entrance). Physics is strongly recommended for all students pursuing science and/or math as their college major. **All of our science courses are lab-based with an emphasis on student learning through cooperative group inquiry experimentation.**



3110 STEM**Grade 9 Core Science Option, Grade 10 Core Elective**

STEM is an acronym for Science, Technology, Engineering, and Math education. We focus on these areas together not only because the skills and knowledge in each discipline are essential for student success, but also because these fields are deeply intertwined in the real world and in how students learn most effectively. This laboratory course focuses on the skills needed to succeed in Biology, Chemistry, and Physics. Students will enhance their laboratory skills by researching current scientific developments. Graphing, mastering microscope procedures, understanding deviations of equations, designing labs, and writing formal lab reports will be among the skills covered in this course.

3200 BIOLOGY**Grade 9 Core Science Option, Gr. 10 Core Requirement**

This laboratory course is devoted to the study of living things and their processes. Throughout the year students are provided an opportunity to develop scientific process skills, laboratory techniques, and an understanding of the fundamental principles of living organisms. Students will explore biological science as a process, cell structure and function, genetics and heredity, evolution, diversity of living organisms and their ecological roles, and an introduction to animal structure and function

3201 BIOLOGY HONORS**Grade 9 Core Science Option, Grade 10 Core Requirement**

This laboratory course aims to describe and understand the living organisms in our surroundings as well as ourselves. This is an honors-level laboratory course for students who have demonstrated a high level of achievement and interest in science and mathematics. Students are expected to be self-motivated and to be able to work independently. Topics studied include cellular biology, biochemistry, genetics, evolution, microbiology, anatomy, and ecology. Instructional strategies emphasize inquiry-based experimental techniques but also include modeling exercises, projects, and problem-solving exercises

Grade 9 Honors at Entrance; approval of department chair.

Grade 10 PREREQUISITE: Departmental approval based on a B+ in previous science and math course; and other criteria.

3300 CHEMISTRY**Grade 10 with Dept. approval, Grade 11 Core Requirement**

This laboratory course develops a knowledge of the basic concepts, skills, principles, and processes of chemistry. Includes the fundamental topics: structure of the atom, chemical bonding and reactions, kinetics, equilibrium, and chemical calculations.

3301 CHEMISTRY HONORS**Grade 10, 11 Core Requirement**

Honors Chemistry is a rigorous course based on the Massachusetts standards for the chemical sciences. Upon completion of the course students will be well prepared for general chemistry at the higher education level. The curriculum includes atomic theory with a brief introduction to quantum mechanics, as well as the study of predicting and writing chemical reactions. The periodic table is studied in-depth, along with the behavior of gasses and liquids. Solution chemistry and acid/base reactions will be discussed in depth along with the types of bonding, equilibrium systems, oxidation/reduction reactions, and (time permitting) nuclear chemistry with emphasis on radioactive decay series and electrochemistry.

PREREQUISITE: Departmental approval based on a grade of B in previous Honors Math courses and Biology; grade of B+ in previous College Prep Math and Biology courses; and other criteria.

3443 ADVANCED PLACEMENT CHEMISTRY**Grade. 11, 12 Core Elective**

Advanced Placement Chemistry is designed to be the equivalent of an introductory chemistry course usually taken during the first year of college. Topics such as the structure of matter, kinetics and basic thermodynamics are investigated in considerable depth and laboratory work is given special emphasis. Students must take the Advanced Placement Examination at the completion of the course in May.

PREREQUISITE: Departmental approval based on the grade of A- in Biology Honors, Chemistry Honors, and previous Honors level Math courses and other criteria.

3400 PHYSICS CP**Grade 11, 12 Core Elective**

This laboratory course is recommended for students pursuing a math/science/engineering/health related degree or career. Topics include force, motion, light, sound, temperature, thermal energy, and electricity.

PREREQUISITE: Departmental approval based on the grade of C+ in previous math courses; grade of C in previous Chemistry course; and other criteria

3401 PHYSICS HONORS**Grade 11, 12 Core Elective**

This course and laboratory component provide students with a working knowledge of the physical world. Students will use the most modern technology available to develop concepts and improve problem-solving skills. Topics include motion and forces, conservation of energy and momentum, heat and heat transfer, waves, electromagnetism, and electromagnetic radiation. Research is an integral part of the course.

PREREQUISITE: Departmental approval based on a grade of B+ in Algebra 2 Honors; or A- Algebra 2 CP; grade of B- in previous Chemistry courses; and other criteria.

3404 ADVANCED PLACEMENT PHYSICS**Grade 11, 12 Core Elective**

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activities, and hands-on, inquiry-based laboratory work as they explore concepts like systems, field force interactions, change, conservation, and waves.

PREREQUISITE: Departmental approval based on the grade of A- in Chemistry Honors, and previous Honors level Math courses and other criteria.

3340 INTRO TO ENGINEERING**Grade 10, 11, 12 Core Elective**

This elective laboratory course is designed for students with an interest in physics and engineering. Students are expected to be self-motivated and have a strong background in mathematics and science. Major topics studied will include mechanics, oscillations, electricity, magnetism, and electronics. Emphasis will be placed on laboratory work, projects/experiments, and the engineering process.

PREREQUISITE: Departmental approval based on a grade of C- in previous Math courses

3341 INTRO TO ENGINEERING HONORS**Grade 11, 12 Core Elective**

More intensive treatment of topics covered in course 3340. Additional coursework and independent work are required of students.

PREREQUISITE: Departmental approval based on a grade of B+ in previous CP Math courses, or B- in Honors Math courses; and other criteria.

3420 ANATOMY AND PHYSIOLOGY**Grade 11, 12 Core Elective**

This laboratory course is a systematic survey of the structure and function of the human body. By studying the design of the body, students will be able to understand the physical and chemical functioning of the various systems. This course is designed as a detailed introduction for those students thinking of entering the healthcare industry.

PREREQUISITE: Departmental approval based on successful completion of Biology and Chemistry courses; and other criteria.

3421 ANATOMY AND PHYSIOLOGY HONORS**Grade 11, 12 Core Elective**

More intensive treatment of topics covered in course 3420. Additional coursework and independent work are required of students.

PREREQUISITE: Departmental approval based on a grade of B in Biology Honors and Chemistry Honors courses; grade of B+ in Biology and Chemistry courses; and other criteria

3433 ADVANCED PLACEMENT BIOLOGY**Grade 11, 12 Core Elective**

This is a college-level laboratory course geared to the intensive study of cells, energy and enzymes, taxonomy, genetics, botany, and ecology. Research/ independent work is an integral part of this course. The curriculum for this course is based on the College Board Standards. Students must take the Advanced Placement Examination at the completion of the course in May. Limited enrollment.

PREREQUISITE: Departmental approval based on a grade of A- in Honors Biology and Honors Chemistry; and other criteria. (This course will not run 2022-2023)

3440 FORENSIC SCIENCE**Grade 11, 12 Core Elective**

This elective laboratory course is designed for students interested in the application of science to criminal investigations. Topics include the crime scene, physical evidence, physical properties, organic and inorganic analysis, microscopic analysis, forensic toxicology, DNA, and fingerprints.

SCIENCE MINOR ELECTIVES**3250 BIOETHICS****Grade 10, 11, 12**

Bioethics is the science that determines whether our practices in the life sciences and health care are in keeping with the dignity of the human person. This Exploratory Seminar will discuss whether our use of scientific knowledge dealing with human life is morally sound. This course meets 2 times per cycle.

3275 SCIENCE IN THE NEWS**Grades 10, 11 12**

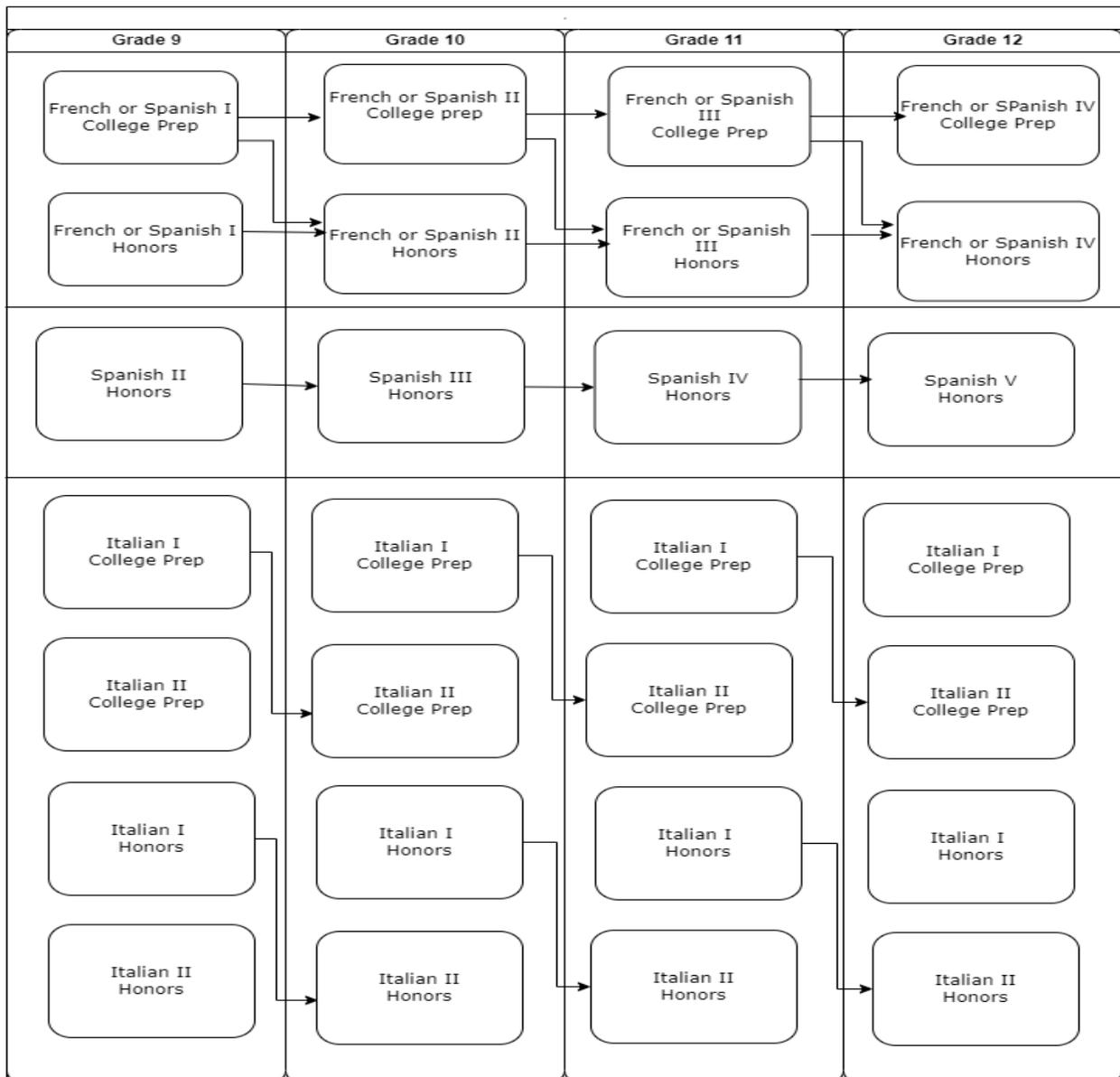
Looking at current trends in science; anything and everything from medical advancements, space exploration to climate change. Discussions on how to evaluate the "reality" of science as depicted in print and TV/film and how scientific advancements shape society.

WORLD LANGUAGE DEPARTMENT

Competency in a modern or classical language is an essential part of a college preparatory education. Two years of sequential language are required for graduation from Cardinal Spellman. However, it is recommended that students take three or four years of a foreign language in order to achieve the proficiency required of college preparatory students.

All students wishing to be considered for Spanish II, Italian II, or French II as freshmen will be required to take the language placement test and receive a grade of 70% or above on the assessment. Movement from CP to Honors requires an **A** average as well as departmental approval.

WORLD LANGUAGE DEPARTMENT PROGRAM OF STUDIES FLOWCHART



INSTRUCTIONAL LEVELS

HONORS AT ENTRANCE: Based on placement tests some incoming Freshmen are accepted as Honors at Entrance and can immediately enter honors-level World Language courses.

COLLEGE PREPARATORY: (CP) All courses provide a challenging curriculum with high expectations for student learning. These courses prepare students for college-level work.

HONORS: (H) Honors level courses are designed for the advanced student who has consistently demonstrated the ability and intrinsic motivation to achieve a high degree of success in a rigorous academic program. In World Language, this includes an increased emphasis on oral/aural proficiency. Students are expected to be able to synthesize material from a variety of target language sources. These courses are run predominantly in the target language. Students must meet the specific prerequisites for each honors level course.

4100 FRENCH 1

Grade 9 Core Language Option

This course is intended to introduce and develop the four language skills (listening, speaking, writing, and reading). Proficiency in listening comprehension and oral communication in an authentic context is emphasized. The study of cultures and communities that share French as their common language is an important part of the course. Regular class participation in the language is required. Learning vocabulary, reading and writing in French, and practicing the language aloud are essential elements of the class

4101 FRENCH 1 Honors

Grade 9 Core Language Option

This course is intended to introduce and develop the four language skills (listening, speaking, writing, and reading). Proficiency in listening comprehension and oral communication in an authentic context is emphasized. The study of cultures and communities that share French as their common language is an important part of the course. Regular class participation in the language is required with increased emphasis on communication. Material is covered more rapidly and in greater depth than at the CP level. Learning vocabulary, reading and writing in French, and practicing the language aloud are essential elements of the course

PREREQUISITE: Honors at Entrance and / or approval of the Department Chair.

4200 FRENCH 2

Grade 10 Core Requirement

Students will continue the development of basic language skills (listening, speaking, reading, and writing) begun in the first year program with continued use of the varied media instructional materials, including visuals, computer programs, and an integrated video. Listening and speaking proficiencies are integral to the program. Reading and writing increase in importance. Skill in communication is a major component for the assessment of language proficiency.

GRADE 9 PREREQUISITE: Department approval based on performance on the language placement test.

4201 FRENCH 2 HONORS**Grade 10 Core Requirement**

This intensive and fast-paced course is conducted predominantly in the target language. Students will continue development of basic language skills (listening, speaking, reading, and writing) begun in the first-year program with continued use of the varied media instructional materials, including visuals, computer programs, and an integrated video. Listening and speaking proficiencies are integral to the program. Reading and writing increase in importance. Skill in communication is a major component for the assessment of language proficiency.

GRADE 9 PREREQUISITE: Department approval based on a grade of 70% or better on the language placement test

GRADE 10 PREREQUISITE: Departmental approval based on a grade of B- or better in French 1 Honors or A in French 1 and other criteria.

4300 FRENCH 3**Grade 11 Core Elective**

This course continues the development of listening and speaking skills through increasingly complex dialogues, class discussions, and oral presentations. Reading skills and cultural understanding are developed through selections from a variety of sources including French authors. Writing skills are developed through answering questions related to readings and from original French compositions. Skill in communication is a major component for the assessment of language proficiency.

PREREQUISITE: Successful completion of French 2 with a grade of C- or better.

4301 FRENCH 3 HONORS**Grade 11 Core Elective**

This is a fast-paced language course stressing oral proficiency and listening skills as well as the ability to synthesize material from a variety of sources. This course is conducted predominantly in the target language and will further emphasize the development of the four language skills of reading, writing, speaking, and listening. Students will improve their ability to express themselves with detail and accuracy on a broad range of topics with emphasis on specific French-speaking cultures.

PREREQUISITE: Departmental approval based on an average of B- in Honors French 2; an average of A in French 2; and other criteria.

4400 FRENCH 4**Grade 12 Core Elective**

Students further develop skills for active and precise communication on a broad range of topics pertaining to contemporary life. Class discussions and other forms of oral communication are integral to the course. The course is conducted in French. Skill in communication is the criterion for the assessment of language proficiency.

PREREQUISITE: Departmental approval based on an average of C+ in French 3; and other criteria.

4401 FRENCH 4 HONORS**Grade 12 Core Elective**

This is a fast-paced language course stressing oral proficiency and listening skills as well as the ability to synthesize material from a variety of sources. This course is conducted predominantly in the target language and will further emphasize the development of the four language skills of reading, writing, speaking, and listening. Students will improve their ability to express themselves with detail and accuracy on a broad range of topics with emphasis on specific French-speaking cultures.

PREREQUISITE: Departmental approval based on an average of B- in French 3 Honors; and other criteria.

4130 ITALIAN 1**Grade 9 Core Language Option**

This course is intended to introduce and develop the four language skills (listening, speaking, writing, and reading). Proficiency in listening comprehension and oral communication in an authentic context is emphasized. The study of the culture that goes along with the Italian language is an important part of the course. Regular class participation in the language is required. Learning vocabulary, reading and writing in Italian, and practicing the language aloud are essential elements of the class.

4131 ITALIAN 1 HONORS**Grade 9 Core Language Option**

This course is intended to introduce and develop the four language skills (listening, speaking, writing, and reading). Proficiency in listening comprehension and oral communication in an authentic context is emphasized. The study of the culture that goes along with the Italian language is an important part of the course. Regular class participation in the language is required with increased emphasis on communication. Material is covered more rapidly and in greater depth than at the regular level. Learning vocabulary, reading and writing in Italian, and practicing the language aloud are essential elements of the course.

PREREQUISITE: Honors at Entrance and/or approval of the Department Chair.

4230 ITALIAN 2**Grade 10 Core Requirement**

Students will continue the development of basic language skills (listening, speaking, reading, and writing) begun in the first-year program with continued use of the varied media instructional materials, including visuals, computer programs, and an integrated video. Listening and speaking proficiencies are integral to the program. Reading and writing increase in importance. Skill in communication is a major component for the assessment of language proficiency.

GRADE 9 PREREQUISITE: Department approval based on performance on the language placement test.

4231 ITALIAN 2 HONORS**Grade 10 Core Requirement**

This intensive and fast-paced course is conducted predominantly in the target language. Students will continue development of basic language skills (listening, speaking, reading, and writing) begun in the first-year program with continued use of the varied media instructional materials, including visuals, computer programs, and an integrated video. Listening and speaking proficiencies are integral to the program. Reading and writing increase in importance. Skill in communication is a major component for the assessment of language proficiency.

GRADE 9 PREREQUISITE: Department approval based on a grade of 70% or better on the language placement test

GRADE 10 PREREQUISITE: Departmental approval based on a grade of B- or better in Italian 1 Honors or A in Italian 1 and other criteria.

4140 SPANISH 1**Grade 9 Core Language Option**

This course is intended to introduce and develop the four language skills (listening, speaking, writing, and reading). Proficiency in listening comprehension, written expression, reading, and oral communication is emphasized, with continued use of the varied-media instructional materials, including visuals, computer programs, and an integrated video. Students will improve their ability to express themselves on a broad range of topics with an emphasis on Hispanic culture. Regular class participation in the language is required.

4141 SPANISH 1 HONORS**Grade 9 Core Language Option**

Spanish I Honors introduces students with high verbal ability to their first year of Spanish by building a strong foundation for their listening, speaking, reading, and writing skills. In addition, students will gain an appreciation of the culture of Spanish-speaking countries. Material is covered more rapidly and in greater depth than in 4140.

PREREQUISITE: Honors at Entrance and/or approval of Department Chair.

4240 SPANISH 2**Grade 10 Core Requirement**

This course emphasizes the further development of language communication skills begun in the Spanish I sequence. Students will improve their ability to express themselves with greater detail and accuracy on a broad range of topics with emphasis on the culture of Spanish-speaking countries. Students will practice and demonstrate effective forms of presentational and interpersonal communication by means of aural and oral comprehension, as well as a variety of reading and writing skills.

GRADE 9 PREREQUISITE: Departmental approval based on performance on a Language Placement Test.

4241 SPANISH 2 HONORS**Grade 9, 10 Core Requirement**

This is a fast-paced course is conducted predominantly in the target language. Students will continue development of basic language skills (listening, speaking, reading, and writing) begun in the first-year program with continued use of the varied media instructional materials, including visuals, computer programs, and an integrated video. Listening and speaking proficiencies are integral to the program. Reading and writing increase in importance. Students will improve their ability to express themselves on a broad range of topics with an emphasis on the culture of Spanish-speaking countries. Skill in communication is the criterion for the assessment of language proficiency.

GRADE 9 PREREQUISITE: Department approval based on performance on a Language Placement Test.

GRADE 10 PREREQUISITE: Departmental approval based on successful completion of the Spanish I course with an average of B+ in Spanish 1 Honors or A in Spanish 1.

4340 SPANISH 3**Grade 11 Core Elective**

This course emphasizes the further development of language communication skills. Students will improve their ability to express themselves with detail and accuracy on a broad range of topics with emphasis on specific Hispanic cultures. Active daily class participation is essential to success in the course. The course is conducted predominantly in Spanish. Skill in communication is a major component for the assessment of language proficiency.

PREREQUISITE: Departmental approval based on an average of C in Spanish 2 and other criteria.

4341 SPANISH 3 HONORS**Grade 11 Core Elective**

This is a fast-paced language course stressing oral proficiency and listening skills as well as the ability to synthesize material from a variety of sources. This course is conducted predominantly in the target language and will further emphasize the development of the four language skills of reading, writing, speaking, and listening. Active daily class participation is essential to success in the course. Students will improve their ability to express themselves with detail and accuracy on a broad range of topics with emphasis on Hispanic cultures.

PREREQUISITE: Departmental approval based on successful completion of Spanish 2 Honors with a grade of B- or better or completion of Spanish 2 CP with a grade of A and department approval.

4440 SPANISH 4**Grade 12 Core Elective**

This class will review students' prior knowledge of grammatical tenses and increase their vocabulary to promote accuracy and consistency in reading, writing, listening, and oral proficiency. Students will practice effective forms of communication by means of oral and written activities through a series of comprehensive essays, exams, presentations, and in-class work.

PREREQUISITE: Departmental approval based on the average of C in Spanish 3 and other criteria.

4441 SPANISH 4 HONORS**Grade 11, 12 Core Elective**

This course continues the emphasis on communication skills, with continued use of varied-media instructional materials. It is a rapid-paced course, predominantly conducted in Spanish, emphasizing synthesis of written and aural materials for the production of high-quality spoken and written responses. The course builds upon proficiency in oral and written self-expression developed in Spanish III. Students will improve their ability to express themselves with detail and accuracy on a broad range of topics with emphasis on culture. Oral communication skills are stressed.

PREREQUISITE: Departmental approval based on an average of B- in Spanish 3 Honors; and other criteria.

4451 SPANISH 5 HONORS**Grade 12 Core Elective**

This is a high-energy course that will cover an intensive grammar review, a comprehensive selection of short stories written by Spanish-speaking authors, a review and enrichment of vocabulary, and an analysis of a variety of cultural and historical aspects. Course goals include:

- Spontaneous and creative response to a given topic
- Active participation using acquired vocabulary to improve listening, speaking, reading, and writing skills

PREREQUISITE: Departmental approval based on the average of B in Spanish 4 Honors and other criteria.

WORLD LANGUAGE MINOR ELECTIVES

4700 INTRODUCTION TO AMERICAN SIGN LANGUAGE

Grade 10, 11, 12

This mini-course offers an introduction to American Sign Language along with an introduction to Deaf culture and the history of ASL. It is designed to whet students' appetite for the full-year course of American Sign Language.

4544 SPANISH CULTURE

Grade 11,12

This mini-course offers continued study of the culture of Spanish-speaking countries through film, music, current events, traditions, and cuisine. It is offered to students with a basic knowledge of the Spanish language. The course will be run in English, but some films and reading may be in Spanish.

FINE ARTS DEPARTMENT

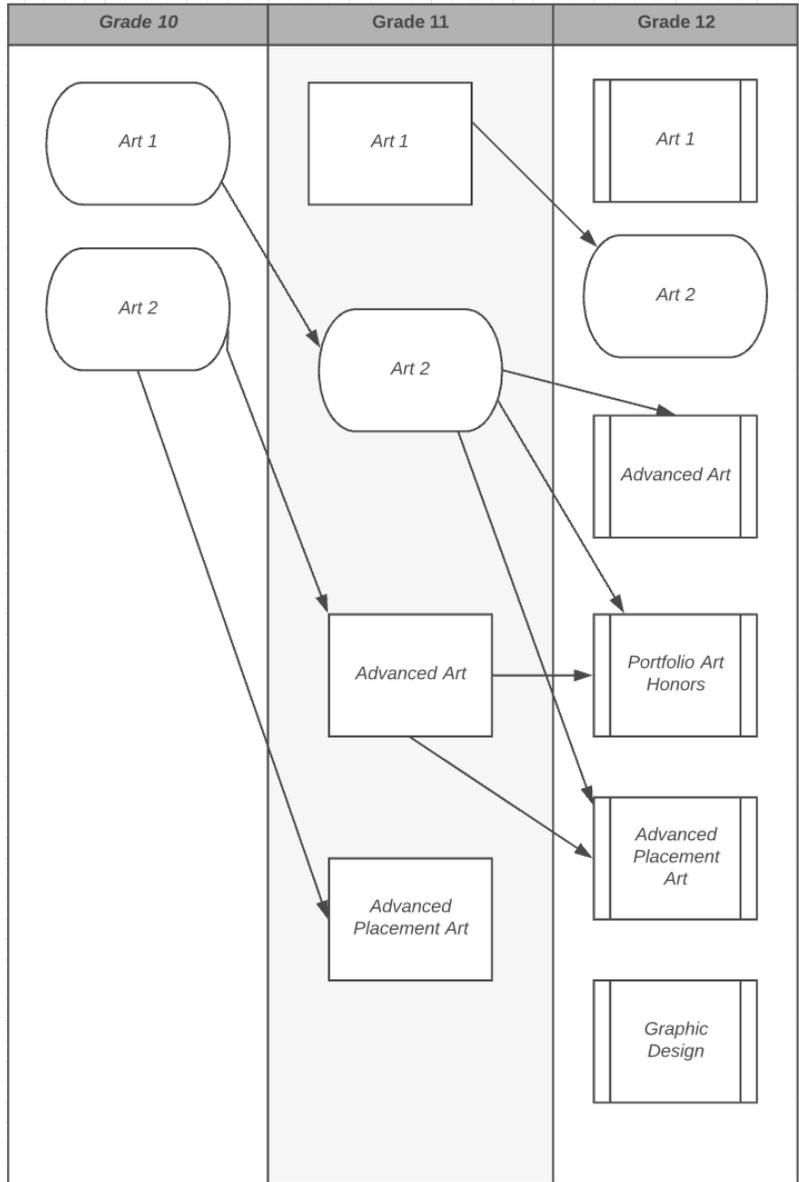
The Fine Arts Department, which is comprised of Visual Arts, Music, and Theater offers a combination of required introductory courses, major elective courses, and a variety of minor elective courses that seek to inspire each student to develop his or her artistic talents.

The Fine Arts curriculum provides exposure and enrichment to all students, including the advanced student who may have an interest in pursuing his or her talent in the future.

All students in grades 9 must complete a Fine Arts requirement by taking an introductory Fundamentals class in one of the following areas: Art, Music, Theater, or Dance. Freshman students interested in Chorus or Band may enroll in either of those courses in lieu of the Fundamentals course to meet their Fine Arts requirement.

Students are encouraged to select more than the minimum requirement in all areas of the Fine Arts, and there are opportunities to enroll in a variety of Major and Minor electives in the areas of Music, Visual Arts, and Theater.

The variety of courses in the Fine Arts Department provides students with a wide range of instruction and opportunities for expression and the development of important global 21st Century Skills such as communication, collaboration, creativity, critical thinking and problem solving through a project-based learning approach. Arts education provides richness and complexity to learning by engaging students in the study of artistic processes, the construction of knowledge, and critical reflection. From centuries old techniques, to the use of the latest software, equipment, and media, our Fine Arts Program prepares our students to be effective communicators. The program is designed to nurture critical thinking and visual literacy through an engaging and supportive studio environment in which students develop a lifelong aptitude and desire to learn, explore, create, and invent through the arts.



VISUAL ARTS ELECTIVES

** Sophomores who have successfully completed a full-year of Biology, or Modern World History may opt to take a full-year Art Elective.*

6100 ART 1

Grades 10, 11, 12 Elective

This visual arts introductory course intended to expose students to a variety of media with emphasis on the principles and elements of design, art history, computer art, color theory and observational drawing. Students are encouraged to discover and/or further develop their creativity through project based studio art experiences. Students will develop and refine observational drawing, experiment with color, learn compositional skills, and work collaboratively. The 21st Century Skills and interdisciplinary connections will be incorporated in all areas of study.

6200 ART 2

Grade 10, 11, 12 Elective

This visual arts course provides art students with the opportunities for developing visual perception, organization and manipulative skills in expressing ideas. Students will compile a portfolio to submit for entrance to an art school, college, or university. Portfolios will include observational drawing, design, illustration, sculpture and painting. Students will explore the history of art and its relationship to their work. Visual Art career paths and the education required to fulfill these paths will be investigated. The 21st Century Skills and interdisciplinary connections will be incorporated in all areas of study.

PREREQUISITE: Departmental approval based on passing grade in Art 1 and/or other criteria.

6402 ADVANCED ART

Grade 11, 12 Elective

This visual arts course is for serious art students who are interested in the practical experience of art. Work consists of completing pieces suitable for the art college portfolio. The program stresses three concerns: quality, concentration and breadth of experience. The 21st Century Skills and interdisciplinary connections will be incorporated in all areas of study.

PREREQUISITE: Departmental approval based on average of B in Art 1 or 2 and other criteria.

6403 ADVANCED PLACEMENT ART

Grade 11, 12 Elective

For this visual arts course students must demonstrate proficiency in mastering the arrangement of the elements and principles of design to create strong compositions while exploring a concentration about a particular concept or idea utilizing their own "voice". Extensive work outside of class time is a requirement. Research and reflective writing are integral to this course. The AP Studio Art Program is sponsored by the College Board and students are expected to take the AP exam in May. AP policies and requirements are determined by representatives of College Board member institutions throughout the country. The program allows colleges to evaluate students' work by awarding college-level credit and/or placement. The course can also serve students who want to prepare for college, art school or a career in art.

PREREQUISITE: Departmental approval.

6421 PORTFOLIO ART HONORS**Grade 12 Elective**

This visual arts course is for highly-motivated students who have successfully completed Advanced Art. Students will compile a portfolio to submit for entrance to an art school, college, or university. Portfolios will include life drawing, design, illustration, sculpture and painting. Students will research the history of art and validate its relationship to their work in a written format. Visual Arts careers and the education required to succeed in these careers will be investigated. A college research unit which includes a visit to an institution of higher learning is integrated in the course. Many aspects of the creative process will be explored, including drawing, painting, design and sculpture. Students will be required to complete extensive independent work.

PREREQUISITE: Departmental approval.

6410 GRAPHIC DESIGN**Grade 12 Core Elective**

A basic course in creativity, design and visual communication. Topics include: an introduction to typefaces, layout, photography and copy preparation. Students experience hands-on work in publishing through the development of their yearbook.

PREREQUISITE: Approval of application by instructor.

FRESHMEN FINE/PERFORMING ARTS REQUIREMENT OPTIONS**6010 Fundamentals of VISUAL ARTS****Grade 9 Requirement (optional choice)**

This visual arts course provides a general overview of the arts for the purpose of exposure and appreciation, encouraging future participation in the Fine Arts program at Cardinal Spellman. Students will experience an introduction to the Elements and Principles of Design, basic techniques of visual arts media and art history. Students work with a variety of materials to build skills, knowledge, and explore concepts in a visual format, while learning how to produce and evaluate their artwork. Areas of study include drawing, painting, color theory, computer arts, and sculpture. The 21st Century Skills and interdisciplinary connections will be incorporated in all areas of study.

6040 Fundamentals of THEATER ARTS**Grade 9 Requirement (optional choice)**

This course is designed for students who love theater. The course will study theater from a historical, technical, and practical perspective. Warm-ups, theater games, the study of different acting styles, script analysis, and in-class performances are all components of this course.

6035 Fundamentals of MUSIC**Grade 9 Required (optional choice)**

The course is designed to increase the students' love and appreciation for the power of music in our lives. As this is an enrichment course, topics will cover a broad-base of musical elements, ranging from music theory to music history, music appreciation, to music performance, with an underlying analysis of how music is the most powerful universal language. The content will explore a variety of musical styles including Classical, Rock & Roll, Musical Theater, Movie Music to better understand the influence of music in any given culture. The course will incorporate a "hands-on" approach to creating music, using the innate musical gifts and talents of the individual and collective abilities of the actual students enrolled in the class.

6045 Fundamentals of DANCE**Grade 9 Required (optional choice)**

This course is designed to introduce students to the general history of Western concert dance, including ballet, modern, and jazz/musical theater. Readings, presentations, lectures, and video-recorded performances will be used to focus class discussions on various artists and the cultural impact of dance. Beginning with ancient movement and continuing to contemporary concert and theater dance, students will work to understand and appreciate the significance of dance as a cultural tradition, performance art, and expression of the human experience. In class, students will analyze and discuss dance performances, practice fundamental dance movements, and participate in collaborative dance projects.

MUSIC/PERFORMING ARTS MINOR ELECTIVES**6630 CONCERT CHOIR****Grades 9, 10, 11, 12**

This course is a concert choir that is offered to both male and female singers who wish to develop their choral singing skills. It includes voice training, basic music theory, and choral music reading. Both sacred and secular music will be performed. It will include a range of traditional and contemporary vocal music. Requirements may include additional attendance at all scheduled rehearsals and performances.

This chorus is separate and distinct from the CSHS Liturgical Choir which functions as a co-curricular club/activity and is open to all students.

6700 BAND/INSTRUMENTAL ENSEMBLE**Grades 9, 10, 11, 12**

This instrumental performance course is offered to student musicians who are players of brass, woodwind, strings, and percussion instruments. Students must have at least two years' prior experience of instrument lessons or experience playing in an instrumental ensemble. Students who are enrolled in this course may represent Cardinal Spellman High School through band performances and at other activities in and outside of the school. Students will learn intermediate to advanced music skills including language, theory, and appropriate band literature as it pertains to ensemble performance. This course may require students to attend some rehearsals and performances outside of the school day as a performance nears.

6710 GUITAR 1**Grades 9, 10, 11, 12**

This course is designed for students with no (or very little) previous guitar experience. Students are responsible for supplying their own acoustic guitars and picks. Students will learn the basics of playing guitar at the beginner level through music notation, chord symbols, and guitar tablature. Basic music theory will be covered, including major scales and keys. Students will work individually and in small groups as they become accomplished musicians. There is no formal requirement for this course, but students will have informal class presentations either individually or in small groups.

6810 GUITAR 2 ENSEMBLE**Grades 10, 11, 12**

This course is for students with 3+ years of experience playing guitar and will focus on playing together as part of an ensemble. Students will strengthen skills in sight reading, listening across the group, and improvising. Students are responsible for supplying their own acoustic guitars and picks, and will practice and present several performance pieces each term.

6650 HISTORY OF ROCK & ROLL**Grades 10, 11, 12**

This course is an in-depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical off-shoots. From Blues and country to punk and heavy metal, students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past that have paved the way for the popular music of today.

6640 MUSIC TECHNOLOGY**Grades 10, 11, 12**

This course will explore the elements of music with software (such as Garage Band, the Mac iLife Suite, and other internet applications), listening to music, reading articles about music, and creating compositions. You do not need to know how to play an instrument to succeed in this course. Basic knowledge of written notation and musical terminology is recommended but not required. Essential concepts will be briefly reviewed as they pertain to each unit. Instruction will be a combination of lecture, hands-on exploration and creating, guided individual and group projects, and supplemental reading assignments. The course will explore sound production, recording and transmission, electronic music composition and arranging, live audio reinforcement, multi-track studio recording, editing, mixing, and mastering. Copyrights, intellectual property rights, and ethical issues regarding digital music and the recording industry will also be discussed.

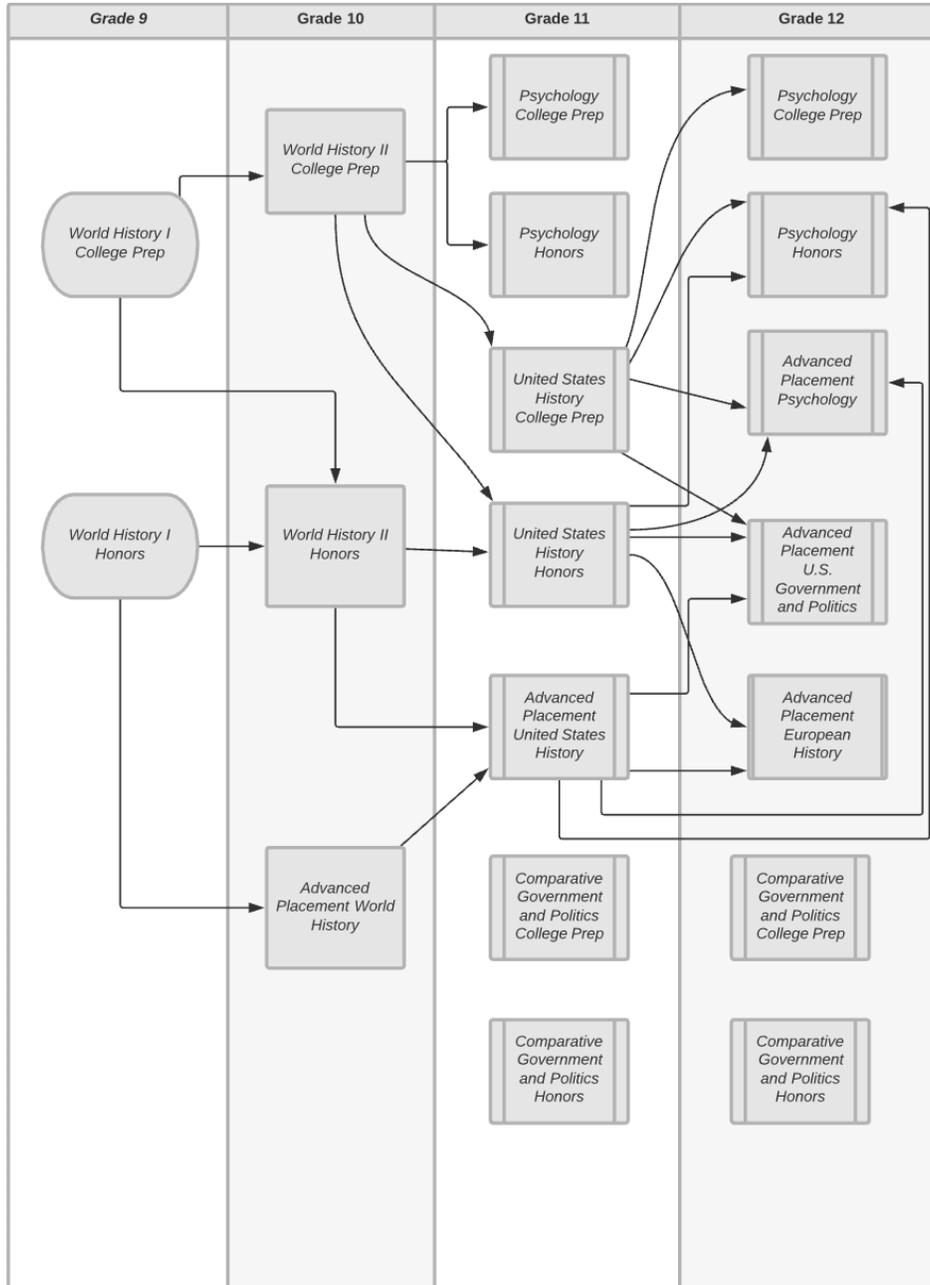
6670 THEATER CRAFT**Grade 10, 11, 12**

Students will explore various acting techniques and tricks with an eye on performance. Additionally, they will explore the aspects of costume, set, light, sound, and makeup design for both theater and film. Students will leave this class with audition material, film reels, and knowledge of the etiquette required to work on a stage or film set.

HISTORY DEPARTMENT

The History Department courses are designed to develop all students' ability to analyze and rethink critical issues of the past and integrate ideas into the diverse world of the twenty-first century. Students' thinking, writing, and analytical skills are fostered and students are educated to become responsible citizens of this country and the world. Students will meet the educational requirements in Massachusetts for History through the outlined scope of courses. Three years of History is required of all students in the classes of 2025, 2024, 2023, comprising (2) years of World History and (1) year of US History.

*Class of 2026 students required to take (1) World History, US History, and US Government.



7200 MODERN WORLD HISTORY**Grade 9 Core Requirement**

This survey course provides a comprehensive examination of world civilizations from 14th century to the present-day with a focus on the uniqueness of specific Eastern and Western civilizations through an examination of social, economic, political, and religious struggles and contributions that together have shaped the modern world. Students will gain critical insights into the evolution of the present interrelationship between various regions of the modern world.

7201 MODERN WORLD HISTORY HONORS**Grade 9 Core Requirement**

This survey course provides an in-depth, comprehensive examination of world civilizations from the 14th century to the present day, with a focus on the uniqueness of specific Eastern and Western civilizations through an examination of social, economic, political, and religious struggles and contributions that together have shaped the modern world. Students will gain critical insights into the evolution of the present interrelationship between various regions of the modern world. The honors level requires strong skills in critical reading and writing as well as the expectation of active leadership in classroom discussions and activities.

7430 ADVANCED PLACEMENT WORLD HISTORY, MODERN**Grade 9/10 Core Requirement**

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Upon completion of this course, students are required to take the AP World: Modern Exam.

PREREQUISITE: Departmental approval; must be approved for Modern World History Honors and enrolled in English Honors.

7250 WORLD HISTORY II**Grade 10 Core Requirement**

This survey course provides a comprehensive examination of world civilizations from the Age of Discovery to the development of the nation-state and the modern world. This course spans from the 15th century to the present day with a focus on the uniqueness of specific Eastern and Western civilizations through an examination of social, economic, political, and religious struggles and contributions that together have shaped the modern world. Students will gain critical insights into the evolution of the present interrelationship between various regions of the modern world.

7251 WORLD HISTORY II HONORS**Grade 10 Core Requirement**

This survey course provides a comprehensive examination of world civilizations from the Age of Discovery to the development of the nation-state and the modern world. This course spans from the 15th century to the present day with a focus on the uniqueness of specific Eastern and Western civilizations through an examination of social, economic, political, and religious struggles and contributions that together have shaped the modern world. The honors level requires more in-depth reading and writing skills, as well as the expectation of active leadership in classroom discussions and activities.

PREREQUISITE: Departmental approval based on a B average in World History I Honors; A- average in World History I College Preparatory level, and other criteria.

7430 ADVANCED PLACEMENT WORLD HISTORY, MODERN**Grade 9/10 Core**

Requirement In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Upon completion of this course, students are required to take the AP World: Modern Exam.

PREREQUISITE: Departmental approval based on an A- average in World History I Honors. Students must be enrolled in English 2 Honors; demonstrate critical thinking skills and other criteria.

7300 UNITED STATES HISTORY**Grade 11 Core Requirement**

This is a survey course where students will examine the evolution of American society through its presidential administrations. Students will analyze various historical themes that have affected the development of the United States. The scope of the course will cover events from Colonial America to the Cold War following World War II.

7301 UNITED STATES HISTORY HONORS**Grade 11 Core Requirement**

This course provides an in-depth examination of American history from the early colonial period through World War II and the Cold War, designed for students with advanced reading comprehension and writing skills. Outside readings and research projects will be emphasized. The Honors level requires more in-depth reading and writing skills, as well as the expectation of active leadership in classroom discussions and activities.

PREREQUISITE: Departmental approval based on a B average in World History II Honors; A- average in World History II College Prep; and other criteria.

7303 ADVANCED PLACEMENT UNITED STATES HISTORY**Grade 11 Core Requirement**

This course focuses on developing students' understanding of American History from 1491 to the present. Students investigate the content of United States history for significant events, individuals, developments, and processes throughout nine historical periods. Students develop and use thinking skills and methods employed by historians when they study the past, including analyzing primary and secondary sources, making historical comparisons and connections between causation/effects of events, continuity and change over time, chronological reasoning, and argumentation. The course is structured around several themes: American and national identity, migration and settlement, politics and power, work exchange and technology, America in the world, geography and environment, culture and society. Students explore the themes throughout the course in order to make connections between historical developments in different times and places.

PREREQUISITE: Departmental approval based on a B- average in AP World History; A- average in World History II Honors. Students must be enrolled in English Honors 3 or AP Language and Composition.

7760 COMPARATIVE GOVERNMENT & POLITICS**Grade 11, 12 Major Core Elective**

This course examines the nature and diversity of government, politics, and power on both a national and global scale. Political theorists, issues, trends, and upheavals are examined by addressing concepts such as power, sovereignty, legitimacy, human rights, justice, interdependence, liberty, equality/inequality, violence/non-violence, conflict, and peace. The impact of issues upon global politics such as the environment, poverty, identity, health, borders, and security will be examined. Students will be encouraged to explore the various ways in which people organize themselves into governmental and political groups - as well as how these groups and organizations have historically interacted.

7761 COMPARATIVE GOVERNMENT & POLITICS HONORS**Grade 11, 12 Major Core Elective**

This course examines the nature and diversity of government, politics, and power on both a national and global scale. Political theorists, issues, trends, and upheavals are examined by addressing concepts such as power, sovereignty, legitimacy, human rights, justice, interdependence, liberty, equality/inequality, violence/non-violence, conflict, and peace. The impact of issues upon global politics such as the environment, poverty, identity, health, borders, and security will be examined. Students will be encouraged to explore the various ways in which people organize themselves into governmental and political groups - as well as how these groups and organizations have historically interacted. The Honors level requires in-depth reading and writing skills as well as the expectation of active leadership in classroom discussions and activities.

PREREQUISITE: Departmental approval based on a B average in previous Honors History course or an A- average in previous College Preparatory History course, and other criteria.

7615 ADVANCED PLACEMENT UNITED STATES GOVERNMENT**Grade 12 Major Core Elective**

In AP United States Government, students will have an analytical perspective on government and politics in the United States. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty, and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. The course aligns with the AP exam and will cover the five major units: foundations of American democracy, interactions among branches of government, civil liberties and civil rights, American political ideologies and beliefs, political participation.

Upon completion of this course, students are required to take the Advanced Placement Test in May.

PREREQUISITE: Departmental approval based on a B- average in AP US History, B average in United States History Honors, A- average in United States History College Prep, and other criteria.

7513 ADVANCED PLACEMENT MODERN EUROPEAN HISTORY**Grade 12 Core Elective**

The AP course in Modern European History is for motivated students who are expected to demonstrate knowledge of basic chronology and of major events and trends from the High Renaissance Period (1450) to the present. This course will introduce students to cultural, economic, political, and social developments that played a fundamental role in shaping the world. Students will learn and make connections between various themes in Modern European History, demonstrate skill in analyzing historical evidence and historical interpretation. Students' mastery of content and ability to think analytically will be assessed in a variety of ways including tests, research papers, free response question essays (FRQs), document-based question essays (DBQs), quizzes, and presentations.

Upon completion of this course, students are required to take the AP Modern Euro exam.

PREREQUISITE: Departmental approval based on an A- average in Honors United States History or B- average in AP U.S History; and other criteria. Students must be enrolled in English Honors 4 or AP English Literature.

7440 INTRO TO PSYCHOLOGY AND SOCIOLOGY**Grades 11, 12 Major Core Elective**

This course is an introduction to the social sciences of psychology and sociology. The course will be split into half-year sections; with the beginning of the year learning about the basics of psychology, before moving into the second half of the year focusing on sociology. During the psychology portion of the course, students will be exposed to the foundational elements of the field, learning about the history of science, the way biology impacts our behaviors, the different ways humans develop and end with social psychology, and how individuals behave in group settings. This will serve as a natural transition into sociology and the study of human society. By the end of the course, students will have explored the human brain and how individual people think, feel, and act, and then take that information to apply it to sociological understandings of the society and culture around us.

7450 INTRO TO PSYCHOLOGY AND SOCIOLOGY (NEW 2022-2023) Grades 11, 12 Major Core Elective

This course is an introduction to the social sciences of psychology and sociology. The course will be split into half-year sections; with the beginning of the year learning about the basics of psychology, before moving into the second half of the year focusing on sociology. During the psychology portion of the course, students will be exposed to the foundational elements of the field, learning about the history of science, the way biology impacts our behaviors, the different ways humans develop and end with social psychology, and how individuals behave in group settings. This will serve as a natural transition into sociology and the study of human society. By the end of the course, students will have explored the human brain and how individual people think, feel, and act, and then take that information to apply it to sociological understandings of the society and culture around us. The Honors level requires more detailed reading and writing, as well as the expectation of students taking on leadership roles in classroom discussions and activities.

PREREQUISITE: Departmental approval based on a B average in previous Honors History course or an A-average in previous College Preparatory History course, and other criteria.

7543 ADVANCED PLACEMENT PSYCHOLOGY**Grade 12 Major Core Elective**

As outlined by the College Board, Advanced Placement Psychology introduces students to the systematic and scientific study of the behavior and mental processes of the human mind as well as of other animals. Students will be exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology (neuroscience, development, learning, personality, etc.). Students will also learn the various methods that psychologists use in their research and study. This course requires independent reading, projects, hands-on experiments, and extensive class participation. Emphasis will be placed on the ability to think, read, and write in a critical fashion.

Upon completion of this course, students are required to take the AP Psychology exam.

PREREQUISITE: Departmental approval based on a B- average in previous AP course, or a B average in previous Honors History course or an A- average in previous CP History course; and other criteria.

7500 WORLD CULTURES**Gr. 10, 11, 12 Major Core Elective**

In the context of a flat world, this humanities-focused course will allow students to explore the diverse cultural traditions of the world, focusing upon the western hemisphere, Europe, the Middle East, Eastern Asia, Russia, South America, and Africa. Highlighted areas of exploration for each geographical region will include such topics as geography/environment, holidays, music, food, film, clothing, heroes, and villains. The themes of cultural diffusion and unifying vs divisive world events will lay the foundation for understanding throughout the course.

MINOR ELECTIVES IN HISTORY

7750 CURRENT ISSUES

Grades 10, 11, 12

This exploratory brings the student in immediate contact with the major social, political and economic issues facing the world today. National and international events and problems are investigated closely. Areas of discussion include human rights issues, economic developments and trends, superpower confrontations, and cultural achievements.

7740 OUTCASTS AND REBELS

Grades 10, 11, 12

This exploratory course is designed to investigate the lives and actions of selected outcasts and rebels throughout World History. These are people who defied traditional conventions and expectations and in doing so shaped history around them. In particular, this course will explore religious outcasts (Jesus of Nazareth, Jan Hus, Martin Luther, John Calvin, the Puritans and Pilgrims, and others.), political rebels (Spartacus, Ho Chi Minh, Mao Zedong, John Brown, and others). Questions related to what makes someone an outcast or a rebel will also be considered as well as how outcasts and rebels should be viewed within society.

7460 GENOCIDES AND ASSASSINATIONS

Grades 11, 12

The purpose of this course is to enlighten students about the more tragic aspects of human history by reading, analyzing, and discussing the causes and effects of some of the most impactful and horrific accounts of political assassinations and systematic killings of peoples in order to instill an understanding of such injustices in so that students will take proper actions to prevent such atrocities from ever again repeating in the modern world. Topics of study include but are not limited to the Armenian genocide, the Holocaust, Stalin's "terror famine", the Khmer Rouge regime, the Rwandan genocide, and the current targeting of Uyghur in East Asia, as well as the assassinations of Caesar, Lincoln, Gandhi, Kennedy, King, and Bhutto.

7465 SOCRATES TO SARTRE: THE WESTERN PHILOSOPHERS

Grades 11, 12

"Socrates to Sartre" is a survey course that spotlights the significant impact that some of the most inspirational figures of Western Philosophy have left on modern society by studying the works of Plato, Descartes, Kant, Bentham, Camus, and several more. Students will read, analyze, and discuss (in seminar) topics such as the knowledge of reality, the freedom of the will, the power of nostalgia, and the purpose of life in order to create a better grasp on the foundations of the culture, politics, and standards of 21st-century living.

7470 INFLUENTIAL WOMEN IN HISTORY (WOMEN'S STUDIES)

Grades 10, 11, 12

Women's Studies is an interdisciplinary course that explores and analyzes the position of women and their advancement in the United States. The scope of this course includes women's position in the family, education, government, law, economy, and religion. Women's Studies examines history through the lens of women including but not limited to struggles in identity, expression, and lifestyle. The course investigates the roles of women from a global perspective. This course entails discussions on articles, lectures, or other sources of media, debates, seminars, culminating with a final research project to reflect the themes of the class and the interests of the student.

7755 MODEL UNITED NATIONS**Grades 10, 11, 12**

Model United Nations prepares students to be well-informed global citizens through quality educational experiences that emphasize collaboration and cooperative resolution of conflict. The goal of the course is to instill in students the vision of a world composed of civically engaged people who strive for peaceful, multilateral conflict resolution and equitable, sustainable human development. This is achieved through open forum discussions that simultaneously develop confidence and leadership skills, opportunities to practice public speaking, teamwork, negotiation, as well as research and writing skills in a safe and structured environment. Ultimately, students enrolled in "Model UN" will attend state conferences in the Spring hosted by other schools in the Greater Boston area.

7800 BOSTON SPORTS HISTORY (NEW 2021-2022)**Grades 10, 11, 12**

"Boston Sports History" examines the development and cultural impact of professional sports in the city of Boston from the late nineteenth century to the present day. Through highlighting the greatest individual players, teams, and moments, students will garner a greater understanding and appreciation for the rich and unique athletic tradition found in the New England region. By discussing the likes of John L Sullivan, Milt Schmidt, Ted Williams, Katherine Switzer, Bill Russel, Tom Brady, David Ortiz, and Aly Raisman students will cultivate a better understanding of how real-world events such as war, terror, politics, human rights movements, and pandemics can impact, alter, and often strengthen our local communities. With highlight reels, debates, projects, and lectures, "Boston Sports History" will pique the curiosity of lifelong fans, and introduce new fans to the greatest sports region in the world!

7505 WORLD CULTURES MINOR**Grades 10, 11, 12**

The World Cultures Exploratory introduces students to the masters and masterpieces of painting, sculpting, composing, and architecture. Through analysis, re-creation, Socratic seminar, and debate, students will garner a greater appreciation for the life and works of Da Vinci, Carravaggio, David, Goya, Van Gogh, Vivaldi, Mozart, Beethoven, Chopin, Gaudi, and Wright, and, in turn, foster a right-brained approach to visualizing and comprehending history.

HEALTH & WELLNESS DEPARTMENT

Physical Education and Health and Wellness at Cardinal Spellman reflects the assumption that healthy minds and healthy bodies are essential to meet the challenges of life. In general, the program stresses physical fitness and motor skill acquisition, provides social interaction, and promotes recreational as well as intellectual competencies.

8110 HEALTH & WELLNESS 1

Grade 9 Required

8210 HEALTH & WELLNESS 2

Grade 10 Required

Health & Wellness 1 and 2 are required courses for Freshman and Sophomore students.

The Fitness component of the courses encompasses basic skills, strategies, and rules of Lifetime Sports and Activities such as: Basketball, Frisbee, Volleyball, Yoga, Fitness Ball exercises, and Weight training. Students will be able to identify and assess components of Physical Fitness and develop a Personal Fitness program.

The Health component of the course encompasses Adolescent health issues such as: Nutrition, Stress and Time Management, Addiction, Alcohol and Drug Awareness, Depression, Eating Disorders, Infectious Disease, Importance of Sleep, and Digital Literacy. This program focuses on teaching students to assume responsibility for their own personal health, fitness and lifestyle. Students will develop the knowledge and skills necessary to achieve a high level of well-being throughout their lifetime. Students will become certified in First Aid and CPR.

Some class time will be used to address topics through a guest speaker series in collaboration with the School Resource Officer, the Health and School Counseling Departments and the Theology Department.

HEALTH AND WELLNESS MINOR ELECTIVES

8300 STRENGTH AND CONDITIONING

Grades 10, 11, 12

A strength and conditioning class emphasizes constantly-varied, high-intensity functional movement. Work cardiovascular endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy, maximizing your performance and fitness for any physical challenge or activity.

COMPUTER SCIENCE DEPARTMENT

** Sophomores who have successfully completed a full-year of Biology, may opt to take a full-year Computer Elective in place of a science elective.*

9400 COMPUTER PROGRAMMING AND CODING

Grades 10,11, 12 Core Elective

This is an introductory course designed for students to learn the fundamental concepts of Coding and Programming with both Apple and Windows applications. Topics include hardware, coding in binary, drag and drop coding and written code. We will also touch upon the different types of code used to create websites, games and other types of app development. Coding is the initial step of introducing programming.

The first half of the course is designed for students to learn the fundamental concepts of coding and programming in Swift and xCode, languages used to create Apps for Apple products. Topics include Coding, functions, loops, program design, data types, flow control, and testing/debugging programs. This includes an Intro to App Development.

The second half of the course will be geared toward coding and programming applications in Web development, data analysis and gaming.

Students will be able to design and write the code to program for a website or an app that is designed for use on a cell phone or tablet.

9300 COMPUTER AIDED DESIGN

Grades 10, 11, 12 Core Elective

This introductory AutoCAD course will provide students with a hands-on computer experience exploring the basic methods of constructing 2D and 3D modeling. Students will learn the steps required in the design process. This software is used by architects, engineers, interior and landscape designers.

PREREQUISITE: Average of C- in Geometry; Department Approval

COMPUTER SCIENCE MINOR ELECTIVES

9330 CODING IN GOOGLE

Grades 10, 11, 12

Using the tools you use every day, learn how to automate Google Apps for custom formulas, calculations, mass email sending and web applications. You will also create your own fully functioning websites that can read and save form data by using the latest programming techniques of HTML5, CSS & Javascript.

9340 ARCHITECTURAL DRAWING

Grades 10, 11, 12

An introduction into 3d residential architectural drawing software using Chief Architect Premier. Learn to create 2D & 3D designs for your dream house. First 1/2 of the year is focused on learning to create Exteriors, Interiors, Roofs, Kitchen, Baths, Stairs, Decks & Terrains. Second 1/2 of the year is self paced independent work creating your dream house design.

PERSONALIZED LEARNING OPPORTUNITIES

In addition to the many options available in our content areas, Cardinal Spellman High School offers several opportunities for students to extend and expand their learning outside of the traditional classroom environment. These options make it possible for students to pursue academic and career interests that go beyond the scope of our program of studies. Students can create a personalized learning experience by participating in an independent study/research program, taking an online course through the Virtual High School (VHS), or enrolling in a Dual Enrollment program.

CARDINAL SPELLMAN SCHOLARS INDEPENDENT RESEARCH PROGRAM (Semester course) Grade 12

The Cardinal Spellman Scholars Honors Program is a Semester 1 course offered to seniors in good standing in partial fulfillment of graduation requirements. Prior to acceptance into the class, in the spring of his/her junior year, the student must submit a proposal on a subject worthy for independent study or scholarly research, on a specific form by the stated deadline. The class meets daily for one semester. Students will meet with their instructor who will monitor and facilitate their independent study. The culmination of the course, for all students, will be the presentation of the product of their research to the school and other appropriate groups to become a part of their permanent records.

PREREQUISITE: Student must be in Good Academic and School Standing; a submitted Curriculum Proposal; Teacher/mentor approval of Curriculum Proposal; department approval.

VHS LEARNING (formerly Virtual High School)

Cardinal Spellman High School is a member of the Virtual High School Collaborative, an online learning community for secondary students. Through this membership CSHS is able to provide select students access to approved courses that are not currently offered at CSHS. Preference is given to juniors and seniors. Students are required to work independently under the supervision of CSHS faculty. *"VHS is a non-profit collaborative of partner schools throughout the U.S. and around the world that expands learning opportunities for teachers and students through online education."* **If you wish to learn more**

about Virtual High School, visit www.vhslearning.org

PREREQUISITE: VHS application; VHS selection committee approval.

DUAL ENROLLMENT

Cardinal Spellman High School has developed relationships with several local colleges to provide early college options to our students who are seeking learning opportunities to complement and expand upon those offered in our program of studies. Dual Enrollment is an arrangement whereby a high school student enrolls in a college level course and may receive both high school and college credit. There are many benefits for dual enrollment including the opportunity for high school students to get a head start on their college credits; take college level classes that may not be offered by their high school; or even take college preparatory classes so that they may be college ready by the time they graduate.

MINOR ELECTIVE SUMMARY

1632 GRAPHIC NOVEL

Grade 10, 11, 12

Graphic Novel explores comic books as a form of communication, literature, modern mythology, and art. The exploratory is designed for students to acquire, practice, and master traditional and new literacies. Reading of particular texts will be required throughout the year.

1730 THE HERO'S QUEST

Grades 10, 11, 12

The Hero's Quest dives into some of the most popular and important works of fantasy and science fiction of the 20th and 21st centuries: *Marvel Comics*, *Star Wars*, *Harry Potter*, *DC Comics*, and *The Lord of the Rings*. Serious consideration will be given to the influences that brought about these series including history, mythology, fairy tales, folklore, Westerns, and samurai tales, as well as both texts as works of Christian Intellectualism. Reading and viewing of the material will be required throughout the year from the texts.

1710 WRITER'S WORKSHOP

Grades 10, 11, 12

This is a workshop course aimed at developing the student's ability to write poetry and short fiction. Daily writing is required. The student must be willing to revise and share his or her work with classmates in order to evaluate writing techniques and develop the ability to judge effective writing. Emphasis will be placed on the student as editor of his or her own work and that of his or her peers. The course is recommended for any student with a strong commitment to writing.

2700 PERSONAL FINANCE

Grades 11, 12

Understanding and managing personal finances are key to one's future financial success. This course presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

3250 BIOETHICS

Grade 10, 11, 12

Bioethics is the science that determines whether our practices in the life sciences and health care are in keeping with the dignity of the human person. This Exploratory Seminar will discuss whether our use of scientific knowledge dealing with human life is morally sound. This course meets 2 times per cycle.

3275 SCIENCE IN THE NEWS

Grades 10, 11 12

Looking at current trends in science; anything and everything from medical advancements, space exploration to climate change. Discussions on how to evaluate the "reality" of science as depicted in print and TV/film and how scientific advancements shape society. This course will meet two times a cycle.

4544 SPANISH CULTURE

Grade 11,12

This mini-course offers continued study of the culture of Spanish-speaking countries through film, music, current events, traditions and customs. It is offered to students with a basic knowledge of Spanish language. The course will be run in English, but some films and reading may be in Spanish.

4700 INTRODUCTION TO AMERICAN SIGN LANGUAGE**Grades 10, 11, 12**

This mini-course offers an introduction to American Sign Language along with an introduction to deaf culture and the history of ASL. It is designed to whet students' appetite for the full year course of American Sign Language.

6650 HISTORY OF ROCK & ROLL**Grades 10, 11, 12**

This course is an in-depth study of the origins of popular music in the 20th century and the social and historical context that gave birth to it and related genres and musical off-shoots. From Blues and country to punk and heavy metal, students will familiarize themselves with landmark groups, music, and movements of different periods, exploring connections between modern music and the artists from the past that have paved the way for the popular music of today.

6640 MUSIC TECHNOLOGY**Grades 10, 11, 12**

This course will explore the elements of music with software (such as Garage Band, the Mac iLife Suite, and other internet applications), listening to music, reading articles about music, and creating compositions. You do not need to know how to play an instrument to succeed in this course. Basic knowledge of written notation and musical terminology is recommended but not required. Essential concepts will be briefly reviewed as they pertain to each unit. Instruction will be a combination of lecture, hands-on exploration and creating, guided individual and group projects, and supplemental reading assignments. The course will explore sound production, recording and transmission, electronic music composition and arranging, live audio reinforcement, multi-track studio recording, editing, mixing, and mastering. Copyrights, intellectual property rights, and ethical issues regarding digital music and the recording industry will also be discussed.

6630 CONCERT CHOIR**Grades 9, 10, 11, 12**

This course is a concert choir that is offered to both male and female singers who wish to develop their choral singing skills. It includes voice training, basic music theory, and choral music reading. Both sacred and secular music will be performed. It will include a range of traditional and contemporary vocal music. Requirements may include additional attendance at all scheduled rehearsals and performances.

This chorus is separate and distinct from the CSHS Liturgical Choir which functions as a co-curricular club/activity and is open to all students.

6700 BAND/INSTRUMENTAL ENSEMBLE**Grades 9, 10, 11, 12**

This instrumental performance course is offered to student musicians who are players of brass, woodwind, strings, and percussion instruments. Students must have at least two years' prior experience of instrument lessons or experience playing in an instrumental ensemble. Students who are enrolled in this course may represent Cardinal Spellman High School through band performances and at other activities in and outside of the school. Students will learn intermediate to advanced music skills including language, theory, and appropriate band literature as it pertains to ensemble performance. This course may require students to attend some rehearsals and performances outside of the school day as a performance nears.

6710 GUITAR 1**Grades 9, 10, 11, 12**

This course is designed for students with no (or very little) previous guitar experience. Students are responsible for supplying their own acoustic guitars and picks. Students will learn the basics of playing guitar at the beginner level through music notation, chord symbols, and guitar tablature. Basic music theory will be covered, including major scales and keys. Students will work individually and in small groups as they become accomplished musicians. There is no formal requirement for this course, but students will have informal class presentations either individually or in small groups.

6810 GUITAR 2 ENSEMBLE**Grades 10, 11, 12**

This course is for students with 3+ years of experience playing guitar and will focus on playing together as part of an ensemble. Students will strengthen skills in sight reading, listening across the group, and improvising. Students are responsible for supplying their own acoustic guitars and picks, and will practice and present several performance pieces each term.

6670 THEATER CRAFT**Grades 10, 11, 12**

Students will explore various acting techniques and tricks with an eye on performance. Additionally, they will explore the aspects of costume, set, light, sound, and makeup design for both theater and film. Students will leave this class with audition material, film reels, and knowledge of the etiquette required to work on a stage or film set.

8300 STRENGTH AND CONDITIONING**Grades 10, 11, 12**

A strength and conditioning class emphasizes constantly-varied, high-intensity functional movement. Work cardiovascular endurance, stamina, strength, flexibility, power, speed, coordination, agility, balance, and accuracy, maximizing your performance and fitness for any physical challenge or activity.

9330 CODING IN GOOGLE**Grades 10, 11, 12**

Using the tools you use every day, learn how to automate Google Apps for custom formulas, calculations, mass email sending and web applications. You will also create your own fully functioning websites that can read and save form data by using the latest programming techniques of HTML5, CSS & Javascript.

9340 ARCHITECTURAL DRAWING**Grades 10, 11, 12**

An introduction into 3d residential architectural drawing software using Chief Architect Premier. Learn to create 2D & 3D designs for your dream house. First 1/2 of the year is focused on learning to create Exteriors, Interiors, Roofs, Kitchen, Baths, Stairs, Decks & Terrains. Second 1/2 of the year is self paced independent work creating your dream house design.

MASSACHUSETTS STATE UNIVERSITY SYSTEM AND UMASS MINIMUM ADMISSION REQUIREMENTS

Freshmen Applicants

Academic Course Requirements

Seventeen college preparatory courses distributed as follows are required. (A course is equivalent to one full school year of study. Courses count toward the distribution only if passed)

English	4 courses
Mathematics	4 courses (Algebra I & II and Geometry or Trigonometry, or comparable coursework) including mathematics during the final year of high school
Sciences	3 courses (drawn from Natural Science and/or Physical Science and/or Technology/Engineering; including 3 courses with laboratory work); <i>Technology/Engineering courses must be designated as science courses (taken for science credit) by the high school</i>
Social Sciences	3 courses (including 1 course in U.S. History)
Foreign Language	2 courses (in a single language)
Electives	2 courses (from the above subjects or from the Arts & Humanities or Computer Sciences)

NCAA Eligibility requirements