

# CARDINAL SPELLMAN HIGH SCHOOL

Brockton, Massachusetts

## Program of Studies for 2019-2020



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, analysis 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 guidance 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 our website which will provide you with information given to students at their curriculum meetings.

If you need any assistance during this process, please do not hesitate to contact me. 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 PREP:** (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 superior student who has consistently demonstrated the ability and intrinsic motivation to achieve a high degree of success in a rigorous academic program. This student is also committed to continuing his/her formal academic learning in a four year institution. Students must meet the specific prerequisites for each honor level course.

**ADVANCED PLACEMENT:** (AP) Advanced Placement courses are offered in U. S. History, English (English Language and Composition and English Literature and Composition), Modern European History, Calculus, Biology, Chemistry, Psychology and Studio Art. These rigorous courses provide students with the opportunity to earn college credit while still in high school if they attend 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 passing grade on the Advanced Placement Exam may be awarded college credit.

*This is a student-financed exam costing approximately \$90.*

## **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 Social Studies courses including World History 1, World History 2, and US History	

### **In addition students are required to take:**

Grade 9: Health and Wellness 1 and 1 Fine Arts Exploratory

Grade 10: Health and Wellness 2

Grades 10, 11, and 12, 1 Exploratory Seminar each year

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

A strong college prep program should include the following courses over and above the minimum graduation requirements:

A third and fourth year of foreign language and physics for those pursuing a math or science related career.

## **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.

Parents of CSHS students should assume a measure of responsibility in guiding their sons and daughters in the selection of appropriate courses, seeking the advice of the guidance counselors and/or the department chairpersons.

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.

Students who limit themselves to meeting only the basic requirements in a minimal fashion may reduce their chances for admission and will find the transition to college more difficult.

## **CURRICULUM**

All students are required to take six (6) complete core courses each year. In addition, on the freshman level, courses in Physical Education and a Fine Arts Exploratory are mandatory. On the freshman level, the administration and department chairpersons work together to design each student's program. Qualified students are invited to participate in our Honors-at-Entrance program, which includes honors level courses in English, Social Studies, Mathematics, Science and Foreign Language. On the sophomore level additional courses in Health and Exploratory Seminars are mandatory. On the junior and senior levels, an additional Exploratory Seminar is mandatory.

### **FRESHMAN YEAR**

**Core Required (6):** Theology, English, Mathematics, Biology *or* STEM, World History 1, French *or* Spanish.  
**PLUS: (1)** Fine Arts Exploratory and Health and Wellness, Part 1.

### **SOPHOMORE YEAR**

**Core Required (6):** Theology, English, Mathematics, Science (Biology, Chemistry or STEM), World History 2, French or Spanish.  
**PLUS: (1)** Exploratory Seminar and Health and Wellness, Part 2.

### **JUNIOR YEAR**

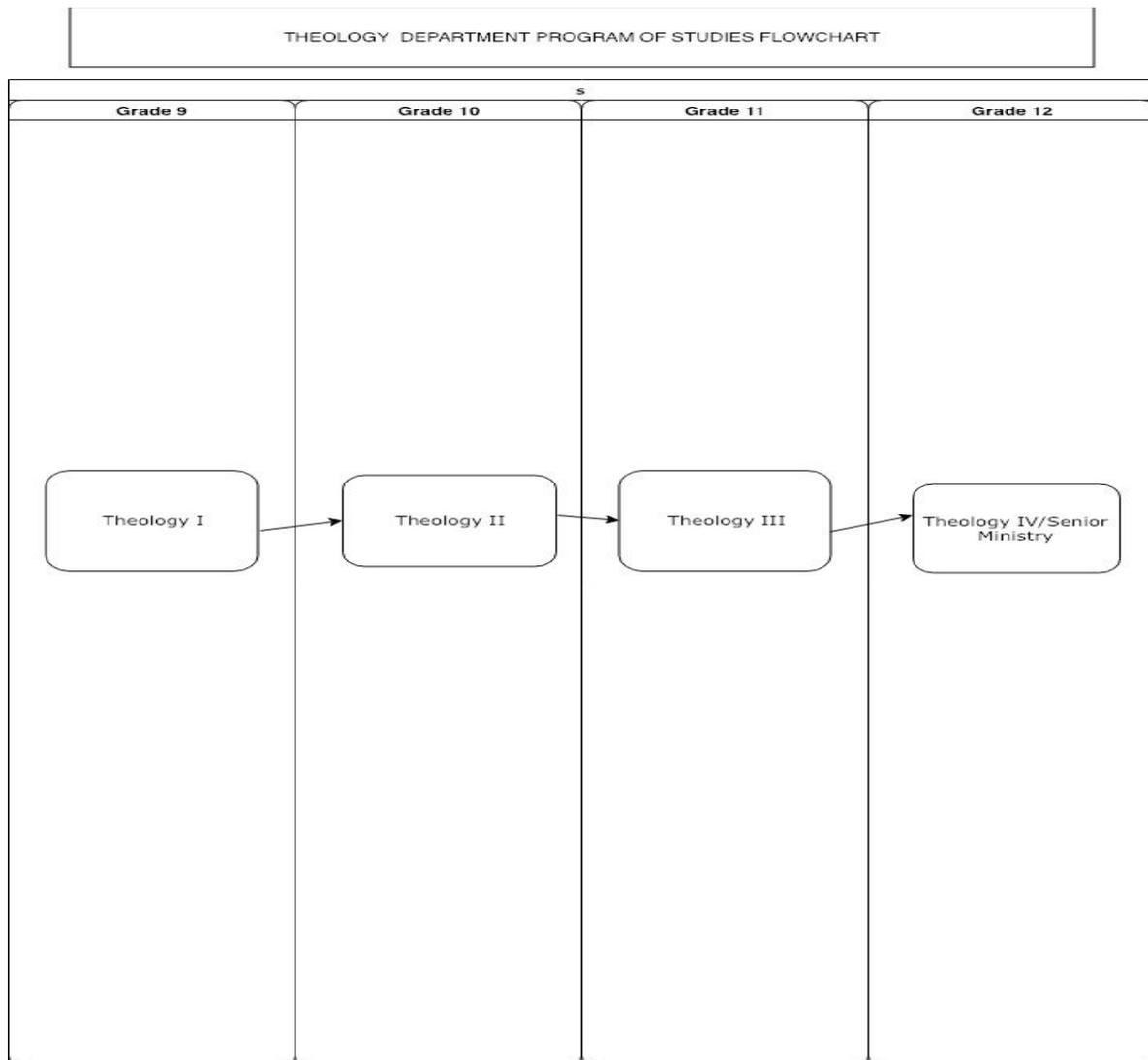
**Core Required (5):** Theology, English, Mathematics, U.S. History\* and Science (see options) .  
**Core Electives (1):** See options in subject areas  
**Exploratory Seminar (1):** See options in subject areas

### **SENIOR YEAR**

**Core Required (3):** Theology, English and Mathematics.  
**Core Electives (3):** See options in subject areas  
**Exploratory Seminar (1):** See options in subject areas

## 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 the Paschal Mystery, the central story of our faith.

### **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.

### **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 the 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 our 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 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 the 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 (2019-2020)**

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.

**5420 OUTREACH MINISTRY/VOCATIONS (2019-2020)**

This course examines the purpose and practice of ministry in building the reign of God. 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. Problems of poverty, homelessness and the marginalized are considered in depth. Its foundation will be prayer, Scripture study, faith sharing, evangelization and advocacy.

**5430 ADORATION MINISTRY/VOCATIONS (2019-2020)**

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 of retreats. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

**5460 LIFE MINISTRY/VOCATIONS (2019-2020)**

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. Its foundation will focus on prayer, Scripture study, faith sharing, leading prayer services, advocacy and evangelization.

**5510 SPIRITUAL LIFE MINISTRY /VOCATIONS (2019-2020)**

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.

**5450 CHRISTIAN WITNESS MINISTRY/VOCATIONS**

The Witness Ministry class will focus on living as a witness to the truth that Jesus Christ died for us and rose again so that we may all have new life. How does the Church of the 21<sup>st</sup> century evangelize and communicate? Emphasis will be placed on developing technology skills for the purpose of witnessing to this reality. Students will minister to the school with video, podcasts, and articles in the newsletter. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

**5490 HEALING MINISTRY/VOCATIONS**

This course includes an exploration of different forms of prayer and invites students to enter into a deep and prayerful relationship with Jesus Christ. There will be opportunities to share God's mercy with other students in a variety of prayer and healing services. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

**5520 SERVANT LEADER MINISTRY/VOCATIONS**

This ministry course will provide an opportunity for students to learn about the seasons of the Liturgical Calendar and the significance it plays in the life of our Church and our daily walk with Christ. These students while serving the Spellman community will develop skills of responsible and prophetic leadership. Opportunities will be available to create setting and space for prayer as well as developing appropriate prayers for use on the Public Address System. Its foundation will be prayer, Scripture study, faith sharing, leading prayer services and evangelization.

## **Theology Exploratory Seminars**

### **5710 INTRODUCTION TO PHILOSOPHY**

Grades 10,11,12

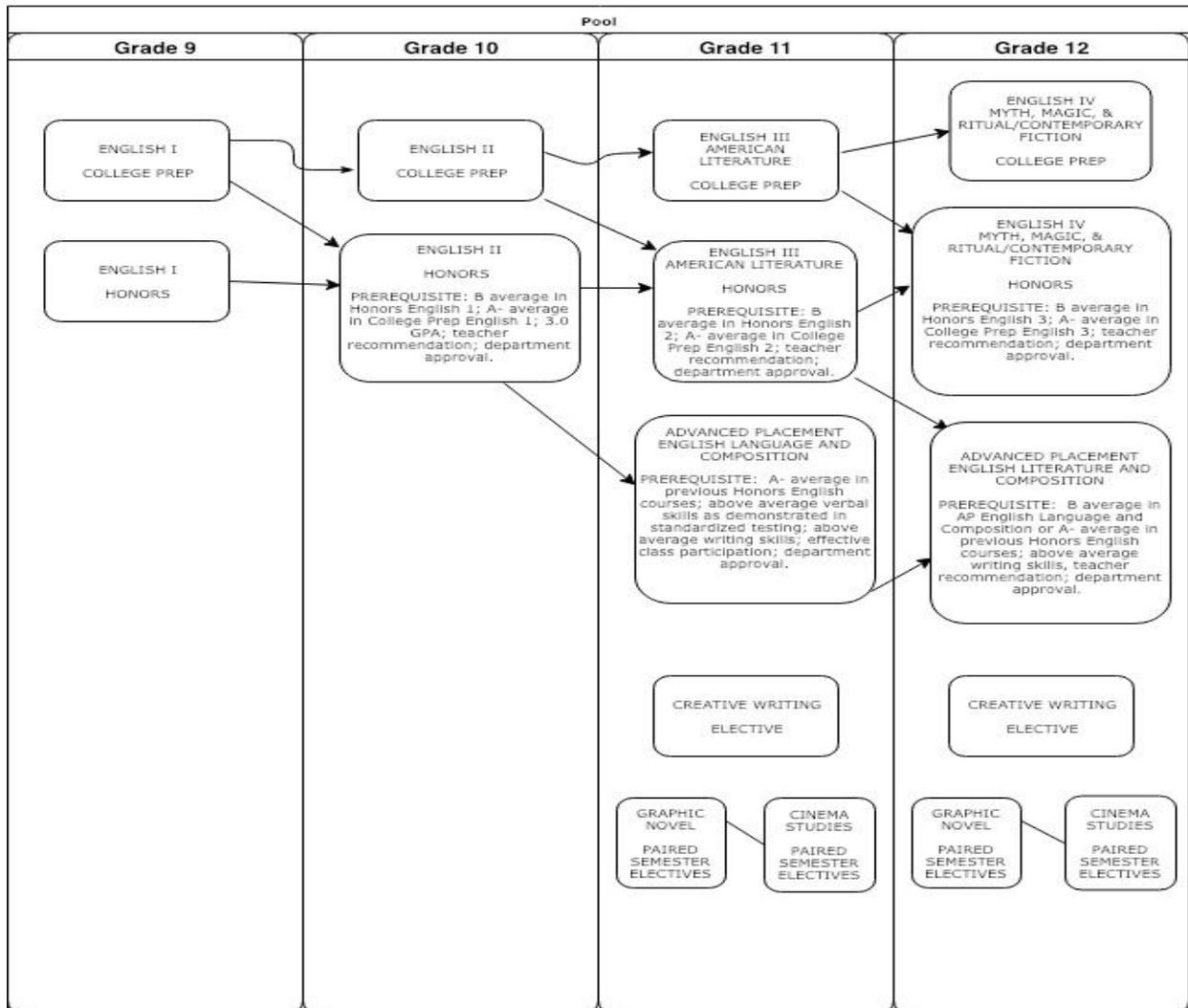
Socrates has said, “the unexamined life is not worth living,” and so this course will allow students to evaluate our world today and their own lives using philosophers from ancient, medieval, modern, and contemporary times. It will introduce the students to various topics such as, the universe and God,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

*This course meets 2 times per cycle.*

## 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 ideas intelligently; and (4) know our literary heritage and how it relates to the customs, ideas and values of today's life and culture.

ENGLISH DEPARTMENT PROGRAM OF STUDIES FLOWCHART



**1100 ENGLISH 1****Grade 9 Core Requirement**

English 1 is designed to aid students in the development of skills in five areas: reading, composition, usage, vocabulary and introductory literary analysis. Techniques of writing a research paper are introduced.

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

A more intensive treatment of the topics covered in English 1. Students are exposed to literary themes taken from the classics. Techniques of writing a research paper are introduced.

**1200 ENGLISH 2****Grade 10 Core Requirement**

This course reviews literary genres using classical and contemporary selections; aims to increase competency in reading, writing, speaking, listening and analyzing; stresses the mechanics of good written communication and introduces research skills for a source paper. Course requirements include a term paper.

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

A more intensive study of the literary genres for the motivated English student. Frequent written themes are expected. Course requirements include a term paper.

**PREREQUISITE:** B average in Honors English 1; A- average in College Prep English 1; 3.0 GPA; teacher recommendation; department approval.

**1300 ENGLISH 3****Grade 11 Core Requirement**

A thematic approach to the study of American literature; includes a review of usage, vocabulary and writing skills, techniques of writing a research paper and SAT preparation. Course requirements include a term paper.

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

A more intensive treatment of American literature; frequent written assignments demanding critical thinking and organized response; SAT preparation; techniques of writing a research paper. Course requirements include a term paper.

**PREREQUISITE:** B average in Honors English 2; A- average in College Prep English 2; teacher recommendation; department approval.

**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 a "citizen rhetor" – 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:** A- average in previous Honors English courses; above average verbal skills as demonstrated in standardized testing; above average writing skills; effective class participation; department approval.

**1400 ENGLISH 4****Grade 12 Core Requirement**

This is a two semester course focusing on Folklore and Literature of Myth, Magic, and Ritual paired in the second semester with Contemporary Literature. First semester students will explore common elements in the literature of modern mythology, current folklore, and literature involving magic and the mystical. 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.

**1401 ENGLISH 4 HONORS****Grade 12 Core Requirement**

This is a two semester course focusing on Folklore and Literature of Myth, Magic, and Ritual paired in the second semester with Contemporary Literature. First semester students will explore common elements in the literature of modern mythology, current folklore, and literature involving magic and the mystical. 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. A more intensive treatment of the courses; weekly writing assignments demanding critical thinking and organized response; SAT preparation; term paper required.

**PREREQUISITE:** B average in Honors English 3; A- average in College Prep English 3; teacher recommendation; department approval.

**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:** B average in AP English Language and Composition or A- average in previous Honors English courses; above average writing skills, teacher recommendation; department approval.

**ELECTIVES****1660 CREATIVE WRITING****Grade 11, 12 Core Elective**

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.

**1630 THE GRAPHIC NOVEL (Paired Semester Course)****Grade 11, 12 Core Elective**

*Paired with Cinema Studies*

The Graphic Novel course will explore this medium as a valid form of communication, one that dates back to over 40,000 years ago to the cave paintings of El Castillo. This course is designed for students to acquire, practice, and master traditional and new literacies. Through genre study, students will analyze formal structure as it relates to content, gender, race, justice, existentialism and heroism, as well as researching the history and growth of comics. Utilizing a variety of technology, students will develop composition, communication, collaboration, creative and critical thinking skills through a variety of projects, essays and creative writing assignments.

**1650 CINEMA STUDIES (Paired Semester Course)****Grade 11, 12 Core Elective***Paired with The Graphic Novel*

The Cinema Studies course is designed as a critical study of films across all genres and decades, from Hollywood to the other side of the globe. In each unit, the class will learn a different aspect of filmmaking, as well as develop the language to analyze film as literature. The course is designed to have students actively participate in a facilitated discussion on the themes and stylistic features of the films themselves.

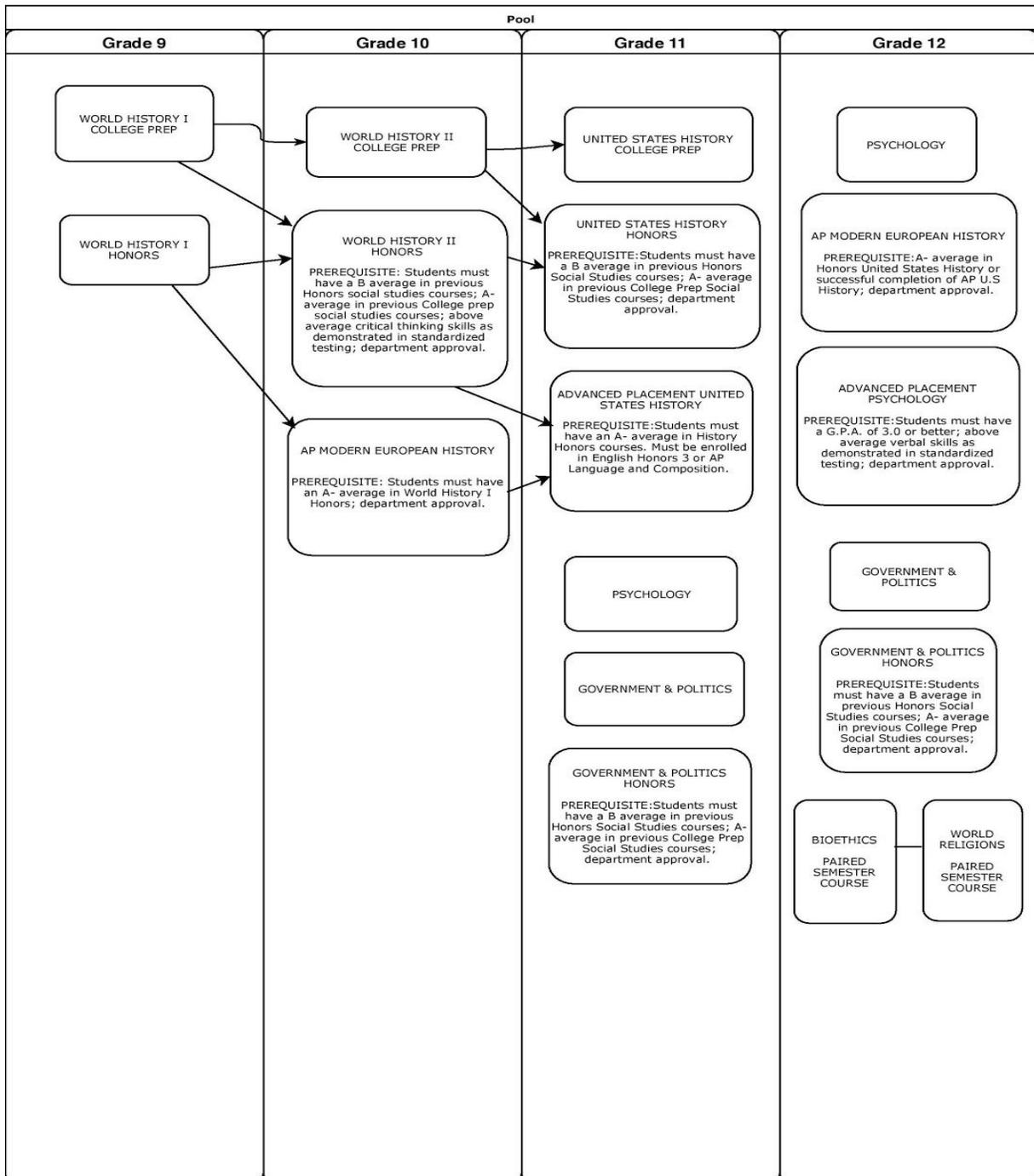
**ENGLISH EXPLORATORY SEMINARS****1710 WRITER'S WORKSHOP****Exploratory Seminar Grade 10, 11, 12**

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.

## SOCIAL STUDIES DEPARTMENT

The Social Studies Department offers core subjects in global education and American history, as well as in social studies and psychology. 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 Social Studies (World History I & II and US History) are required of all students.

HISTORY AND SOCIAL SCIENCES DEPARTMENT PROGRAM OF STUDIES FLOWCHART



**7100 WORLD HISTORY I****Grade 9 Core Requirement**

This survey course provides a comprehensive examination of world civilizations from their classical origins (the Greek City-States, the Roman Republic and Empire, the Qin and Han Dynasties of China, and the Mauryan and Gupta Empires of India) to their evolution as the political and cultural forces of the East and West that have shaped World History. This course will end at the beginning of the Age of Discovery around the 15th century. Critical thinking skills, independent research, geographical awareness, evidenced-based reasoning, and other social studies skills are stressed throughout the academic year.

**7101 WORLD HISTORY I HONORS****Grade 9 Core Requirement**

This survey course provides a comprehensive examination of world civilizations from their classical origins (the Greek City-States, the Roman Republic and Empire, the Qin and Han Dynasties of China, and the Mauryan and Gupta Empires of India) to their evolution as the political and cultural forces of the East and West that have shaped World History. This course will end at the beginning of the Age of Discovery around the 15th century. Critical thinking skills, independent research, geographical awareness, evidenced-based reasoning, and other social studies skills are stressed throughout the academic year. This course requires a moderate amount of independent reading, projects, as well as active class participation. Emphasis will be placed on the ability to think, read, and write in a critical fashion.

**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. Students will gain critical insights into the evolution of the present interrelationship between various regions of the modern world. The honors level requires more detailed reading and writing as well as the expectation of active participation in classroom discussions and activities.

**PREREQUISITE:** Students must have a B average in previous Honors social studies courses; A- average in previous College prep social studies courses; above average critical thinking skills as demonstrated in standardized testing; department approval.

**7513 ADVANCED PLACEMENT MODERN EUROPEAN HISTORY****Grade 10 Core Elective**

\*AP European fulfills the sophomore history requirement

The AP course in Modern European History is intended for qualified students who will be 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 through these years. Students will be on task to learn and develop various themes in Modern European history as well as gain the ability to analyze historical evidence and historical interpretation. Students' mastery of history and ability to think analytically will be measured in many ways including, but not limited to: tests, research papers, free response question essays (FRQs), document based question essays (DBQs), quizzes, and presentations. Students are required to take the AP Modern European exam in May.

**PREREQUISITE:** Students must have an A- average in World History I Honors; department approval.

### **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 detailed reading and writing as well as the expectation of active participation in classroom discussions and activities.

**PREREQUISITE:** Students must have a B average in previous Honors Social Studies courses; A- average in previous College Prep Social Studies courses; department approval.

### **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. The course has students investigate the content of United States history for significant events, individuals, developments and processes throughout nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, causation/effects of events, continuity and change over time, chronological reasoning, and argumentation) employed by historians when they study the past. The course is structured around seven 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) that students explore throughout the course in order to make connections among historical developments in different times and places.

**PREREQUISITE:** Students must have an A- average in History Honors courses. Must be enrolled in English Honors 3 or AP Language and Composition.

### **7760 GOVERNMENT & POLITICS**

### **Grade 11, 12 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 GOVERNMENT & POLITICS HONORS****Grade 11, 12 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 more detailed reading and writing as well as the expectation of active participation in classroom discussions and activities.

**PREREQUISITE:** Students must have a B average in previous Honors Social Studies courses; A- average in previous College Prep Social Studies courses; department approval.

**7410 WORLD RELIGIONS (Semester course)****Grade 12 Core Elective**

*Paired with Bioethics*, to understand other Religions is to know one's own in a better way. This one semester survey course will explore major and minor non-Christian Religions in the spirit of the Second Vatican Council that encourages open dialogue and mutual respect. Religious answers will be compared from some of major questions in life, including why do we exist?, what is our purpose?, and good vs. evil.

**7420 BIOETHICS (Semester course)****Grade 12 Core Elective**

*Paired with World Religions*, second semester will focus on Bioethics, which 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 one semester course will discuss whether our use of scientific knowledge dealing with human life is morally sound. This is a seminar style course with an emphasis on case studies.

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

The AP course in Modern European History is intended for qualified students who will be 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 through these years. Students will be on task to learn and develop various themes in Modern European history as well as gain the ability to analyze historical evidence and historical interpretation. Students' mastery of history and ability to think analytically will be measured in many ways including, but not limited to: tests, research papers, free response question essays (FRQs), document based question essays (DBQs), quizzes, and presentations. Students are required to take the AP Modern European exam in May.

**PREREQUISITE:** A- average in Honors United States History or successful completion of AP U.S History; department approval.

**7540 PSYCHOLOGY****Grade 11, 12 Core Elective**

College Preparatory Psychology explores the history, theory and current issues in the study of psychology. Major topics include: learning, perception, human development, motivation, emotions, personality, behavior and behavior disorders. Hands-on activities and assignments, reflective essays and

projects are incorporated into each unit. The “Baby Think It Over: Reality Works” program is a part of this class, as is ongoing employment of critical thinking skills.

### **7543 ADVANCED PLACEMENT PSYCHOLOGY**

### **Grade 12 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. Students must take the Advanced Placement examination at the completion of the course in May.

**PREREQUISITE:** Students must have a G.P.A. of 3.0 or better; above average verbal skills as demonstrated in standardized testing; department approval.

## **SOCIAL STUDIES EXPLORATORY SEMINARS**

### **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 rebelled should be viewed within society. *This course meets 2 times per cycle.*

### **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. *This course meets 2 times per cycle.*

### **6640 MOCK TRIAL EXPLORATORY**

### **Grades 10, 11, 12**

This course is designed to give students a basic knowledge of law that will be of practical use in their everyday lives. The course will provide practical advice and competency building activities to help students sharpen their analytical, listening and speaking skills. Students will learn more about the law, court procedures and our legal system as they prepare for a mock trial competition in January. *This course meets 2 times per cycle.*

### **DEFINING MOMENTS: American Assassinations**

### **Grades 10, 11, 12**

*\*not offered 2019/20 school year* - This course is designed to provide a study of selected aspects of American political history through the examination of assassinations and assassination attempts from President Andrew Jackson through the present administration. There is a special emphasis placed upon the assassinations of President Abraham Lincoln and John F. Kennedy, the investigations surrounding them, and the impact of these assassinations upon American history. *This course meets 2 times per cycle.*

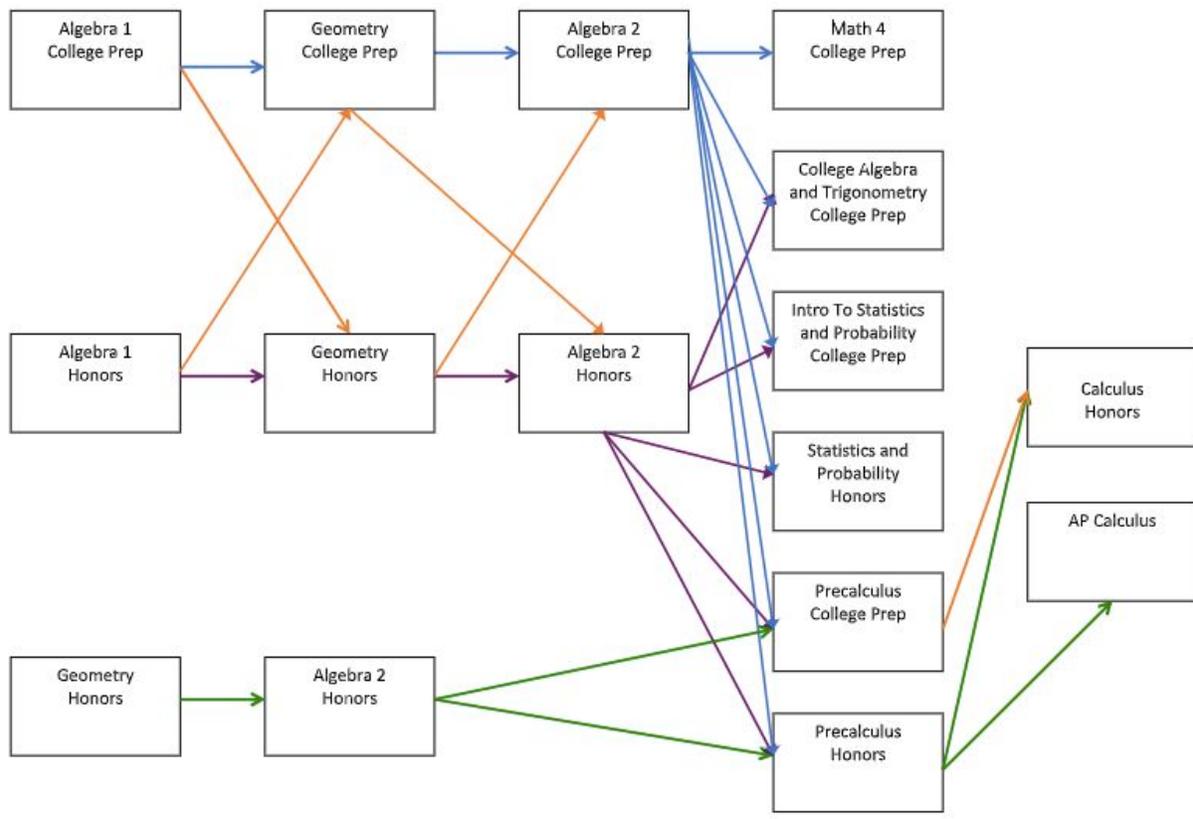
## **MATHEMATICS DEPARTMENT**

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.

All students wishing to be considered for Geometry as freshmen will be required to take the math placement test and receive a grade of 70% or above on the assessment.



**2100 ALGEBRA 1**

**Grade 9 Core Requirement**

A modern course in elementary algebra. Includes: concept of real numbers, linear equations, polynomials, factoring, quadratics, the four basic operations with fractions, fractional equations, graphing linear equations and inequalities.

**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.

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

**2200 GEOMETRY**

**Grade 10 Core Requirement**

This is a course in Euclidean geometry in which the properties of geometric figures and their relationships will be examined. Course content will also include formal proofs and coordinate geometry.

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

For freshmen and sophomores with high math ability, interest and motivation. Blends space and coordinate geometry with a contemporary treatment of plane geometry.

**Grade 9** Honors at Entrance and/or approval of department chair.

**Grade 10 PREREQUISITE:** B average in Honors Algebra 1; A- average in College Prep Algebra 1; department approval.

**2300 ALGEBRA 2****Grade 11 Core Requirement**

A review and extension of topics begun 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.

**2301 ALGEBRA 2 HONORS****Grade 10, 11 Core Requirement**

Reviews and extends 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. Course proceeds more rapidly and in greater depth than 2300.

**PREREQUISITE:** B average in Honors Algebra 1 & Honors Geometry; A- average in College Prep Algebra I & College Prep Geometry; department approval.

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

A review of concepts from Algebra and Geometry 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, investing, borrowing, taxes etc.

**PREREQUISITE:** department approval.

**2440 INTRODUCTION TO STATISTICS AND PROBABILITY Requirement****Grade 11, 12 Core Requirement**

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

**PREREQUISITE:** average of a C+ in previous Honors Math course; average of B- in previous College Prep Math course; department approval.

**2441 STATISTICS AND PROBABILITY HONORS****Grade 11, 12 Core Requirement**

A more intensive and highly detailed treatment of topics covered in Introduction to Statistics and Probability. Additional coursework and independent work are required of students.

**PREREQUISITE:** B average in previous Honors Math courses; A- average in previous College Prep Math courses; department approval.

**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, sequences and series, and probability. Recommended for college-bound students of average mathematical ability.

**PREREQUISITE:** average of C- in Algebra 2; department approval.

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

A more rigorous math course. Provides an 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:** B- average in Honors Algebra 2 & Honors Geometry; B+ average in College Prep Algebra 2 & College Prep Geometry; department approval.

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

Topics include: polynomial, rational, exponential and logarithmic functions, trigonometry and its applications, concepts of limits and derivatives and an introduction to Calculus. This course is recommended for students planning to pursue engineering, health or science studies.

**PREREQUISITE:** B average in Honors Algebra 2 & Honors Geometry; A- average in College Prep Algebra 2 & College Prep Geometry; department approval

**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:** B average in Honors Precalculus; A- average in College Prep Precalculus; department approval.

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

**PREREQUISITE:** B+ average in Honors Precalculus; department approval.

**MATHEMATICS EXPLORATORY SEMINARS****2700 PERSONAL FINANCE****Exploratory Seminar 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

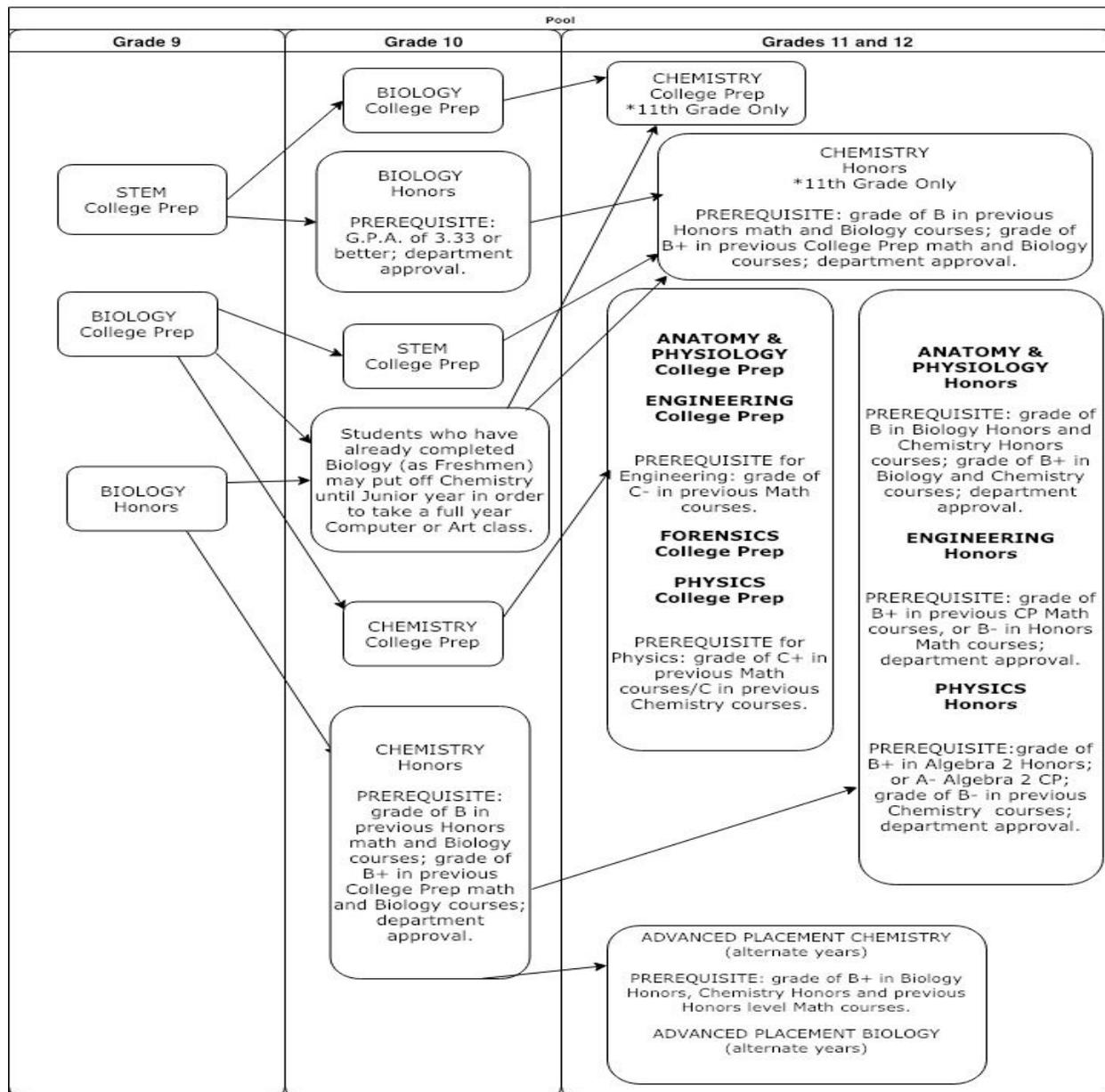
course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success.

*This course meets 2 times per cycle.*

## **SCIENCE DEPARTMENT**

CSHS students must take course work in both the biological and chemical sciences. In addition to Biology and Chemistry, students must take a 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.

SCIENCE DEPARTMENT PROGRAM OF STUDIES FLOWCHART



**3110 STEM (Lab)**

**Grade 9 Core Science Option**

**Grade 10 Core Elective**

**STEM** is an acronym for **S**cience, **T**echnology, **E**ngineering and **M**ath 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 skill through 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 (Lab)****Gr. 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 (Lab)  
Grade 10 Core Requirement****Grade 9 Core Science Option**

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:** G.P.A. of 3.33 or better; department approval.

**3300 CHEMISTRY (Lab)****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 (Lab)****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 gases 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:** grade of B in previous Honors math and Biology courses; grade of B+ in previous College Prep math and Biology courses; department approval.

**3443 ADVANCED PLACEMENT CHEMISTRY (Lab) (2019-2020)**

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 basis 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:** grade of B+ in Biology Honors, Chemistry Honors and previous Honors level Math courses.

***This course is offered every other year. This course will be offered during the 2019-2020 school year.***

**3400 PHYSICS (Lab)**

**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:** grade of C+ in previous math courses; grade of C in previous Chemistry course; department approval.

**3401 PHYSICS HONORS (Lab)**

**Grade 11, 12 Core Elective**

This course and laboratory component provides 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:** grade of B+ in Algebra 2 Honors; or A- Algebra 2 CP; grade of B- in previous Chemistry courses; department approval.

**3340 INTRO TO ENGINEERING (Lab)**

**Grade 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 to 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:** grade of C- in previous Math courses.

**3341 INTRO TO ENGINEERING HONORS (Lab)**

**Grade 11, 12 Core Elective**

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

**PREREQUISITE:** grade of B+ in previous CP Math courses, or B- in Honors Math courses; department approval.

**3420 ANATOMY AND PHYSIOLOGY (Lab)**

**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 health care industries.

**PREREQUISITE:** successful completion of Biology and Chemistry courses; department approval.

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

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

**PREREQUISITE:** grade of B in Biology Honors and Chemistry Honors courses; grade of B+ in Biology and Chemistry courses; department approval.

**3433 ADVANCED PLACEMENT BIOLOGY (Lab) (2018-2019) Grade. 11, 12 Core Elective**

This is a college level laboratory course geared to intensive study of cells, energy and enzymes, taxonomy, genetics, botany and ecology. Research 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. Due to the advanced level of this course enrollment is limited. It is strongly recommended that whenever possible, students have taken or simultaneously take Anatomy & Physiology.

***This course is offered every other year. Next time to be offered is the 2020-2021 school year.***

**PREREQUISITE:** GPA of 3.0 or better; grade of B+ in Honors Biology and Honors Chemistry; department approval.

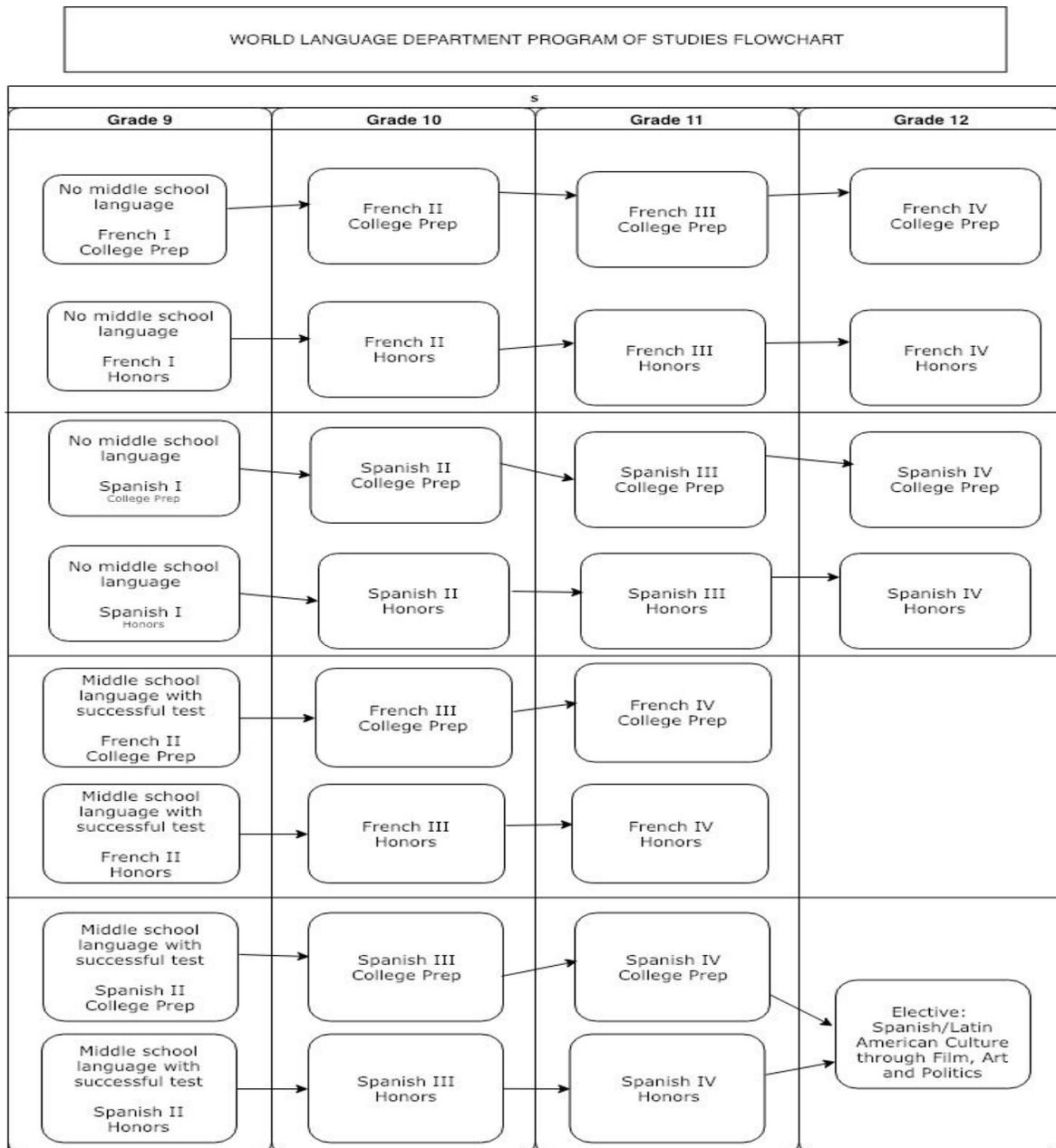
**3460 FORENSIC SCIENCE (Lab) Grade 11, 12 Core Elective**

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.

## **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 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.



### **INSTRUCTIONAL LEVELS**

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

**COLLEGE PREP:** (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 superior 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. This student is also committed to continuing his/her formal academic learning in a four-year institution. Students must meet the specific prerequisites for each honor level course.

#### **4100 FRENCH I**

#### **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 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 I 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 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 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 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:** A grade of B- or better in French I Honors or A in French I CP with department approval.

**4300 FRENCH 3****Grade 11 Core Elective**

This course continues development of listening and speaking skills through increasingly complex dialogues, class discussion 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 assessment of language proficiency.

**PREREQUISITE:** Successful completion of French II CP 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 the ability to express themselves with detail and accuracy on a broad range of topics with emphasis on specific French-speaking cultures.

**PREREQUISITE:** Average of B+ in Honors French 2; average of A in College Prep French 2; department approval.

**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 assessment of language proficiency.

**PREREQUISITE:** Average of C+ in French 3; department approval

**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 the ability to express themselves with detail and accuracy on a broad range of topics with emphasis on specific French-speaking cultures.

**PREREQUISITE:** Average of B+ in French 3 Honors; department approval.

**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 the 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 further development of language communication skills begun in the Spanish I sequence. Students will improve the 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:** Department 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 the 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 assessment of language proficiency.

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

**GRADE 10 PREREQUISITE:** Successful completion of the Spanish I course with an average of B+ in Spanish I Honors or A in Spanish I CP with department approval.

**4340 SPANISH 3**

**Grade 11 Core Elective**

This course emphasizes further development of language communication skills. Students will improve the 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. Course is conducted predominantly in Spanish. Skill in communication is a major component for assessment of language proficiency.

**PREREQUISITE:** Average of C in Spanish 2 and department approval.

**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 the ability to express themselves with detail and accuracy on a broad range of topics with emphasis on Hispanic cultures.

**PREREQUISITE:** 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:** Average of C+ in Spanish 3 and department approval.

**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 the proficiencies in oral and written self-expression developed in Spanish III. Students will improve the ability to express themselves with detail and accuracy on a broad range of topics with emphasis on culture. Oral communication skills are stressed.

**PREREQUISITE:** Average of B+ in Spanish 3 Honors; department approval.

**4540 SPANISH CULTURE VIA FILM, ART & POLITICS (SEMESTER COURSE)****Grade 11, 12 Core Elective**

*Paired with 4550 (Latin American Culture).* The premise of the course is to use authentic Spanish language cinema, Spanish art and current events to strengthen conversational Spanish skills. Cinema, art and politics provide a historical and cultural framework for discussion. Students will explore culture of daily life in Spain as well as larger historical themes such as the Spanish Civil War and the Catalanian quest for independence. Culture and politics will be used as a springboard for conversation. This course is conducted primarily in target language and requires students to have intermediate skills. It is open to seniors who have completed Spanish 3 or Spanish 4.

**PREREQUISITE:** Successful completion of Spanish 3 or Spanish 4.

**4550 LATIN AMERICAN CULTURE VIA FILM, ART & POLITICS (SEMESTER COURSE)****Grade 11, 12 Core Elective**

*Paired with 4540 (Spanish Culture).* The premise of the course is to use authentic Spanish language cinema, Hispanic art and current events to strengthen conversational Spanish skills. Cinema, art and politics provide a historical and cultural framework for discussion. Students will explore culture of daily life in Latin America as well as larger historical themes such as the immigration and internal political struggles. Culture and politics will be used as a springboard for conversation. This course is conducted primarily in target language and requires students to have intermediate skills. It is open to seniors who have completed Spanish 3 or Spanish 4.

**PREREQUISITE:** Successful completion of Spanish 3 or Spanish 4.

**4660 AMERICAN SIGN LANGUAGE I****Grade 11, 12 Core Elective**

This course is a one-year course offering basic comprehension of American Sign Language. The students will learn receptive and expressive skills in the language. Vocabulary will be included in each lesson. The expressive skills of setting up grammatical markers in space and the use of facial expressions will be emphasized in each lesson. Learning vocabulary and new expressions will be essential to homework assignments. The history of American Sign Language will be given to ground the students in the language. Materials will include textbook, visuals, video and computer programs. Skills in communication (expressive and receptive) will be the criterion for assessment.

**EXPLORATORY SEMINAR****4700 INTRODUCTION TO AMERICAN SIGN LANGUAGE****Exploratory Seminar 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. *This course meets 2 times per cycle.*

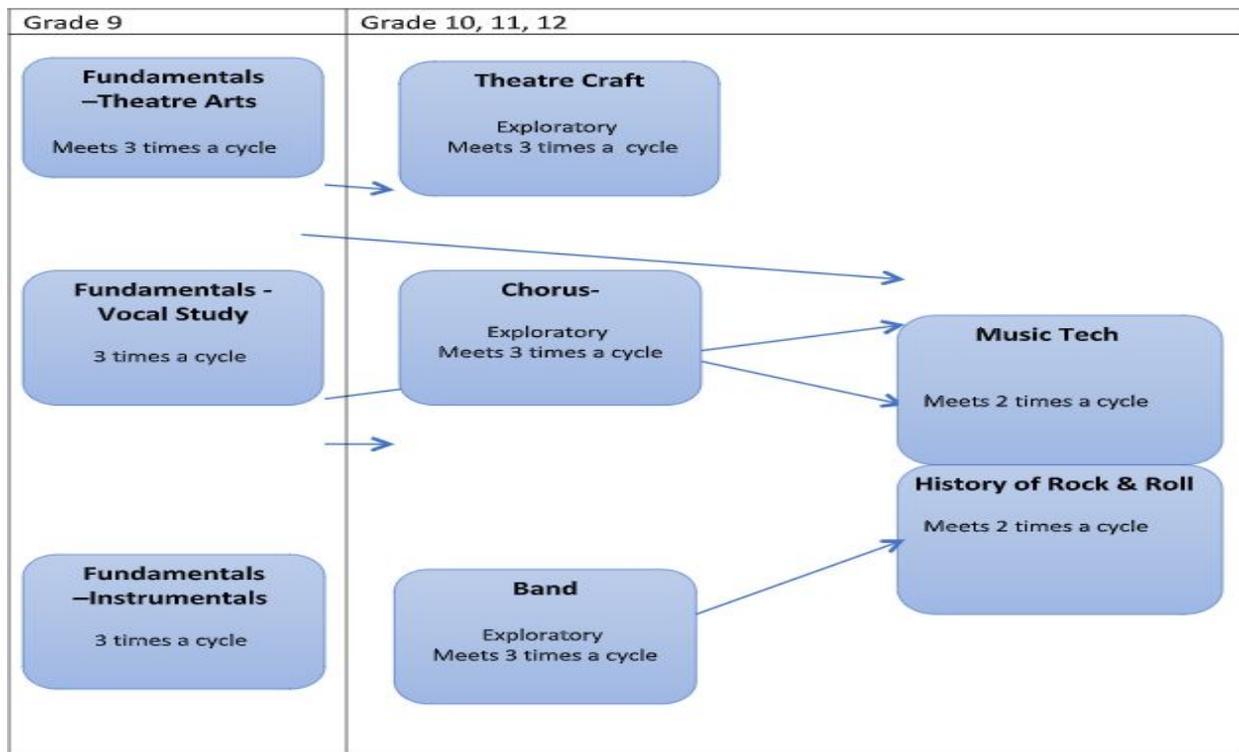
**4544 SPANISH CULTURE**

**Exploratory Seminar 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.

The Fine Arts Department, which is comprised of Visual Arts, Music, and the Performing Arts, offers a combination of required introductory courses, full year electives and a variety of Exploratory Seminar courses. Students are encouraged to select more than the minimum requirement in all areas of the Fine Arts. The Fine Arts Department offers articulated pathways with a suggested course progression and sequence. During the 2019-2020 academic year, all students in grade 9 must complete an introductory Fine Arts Fundamentals Course as a requirement. They may elect to take a Visual Arts Course, a Theatre course, or a Music course that will meet three times a cycle. Once a student has met the Fine Arts Fundamental Requirement, he/she may opt to enroll in other arts based courses.

Our array of comprehensive courses in the Fine Arts Department provides our 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 visual communicators while the Fine Arts curriculum provides exposure and enrichment to all students, designed to foster independence through differentiated and self-directed work. Working in a collaborative peer-learning environment, we are dedicated to nurturing critical thinking and visual literacy through an engaging and supportive studio environment as we develop a lifelong aptitude and desire to learn, explore, create, and invent through the arts.



Grade 9	Grade 10	Grade 11	Grade 12
<p data-bbox="212 264 537 422"><b>Fundamentals - Visual Arts</b> Meets 3 times a cycle</p>	<p data-bbox="570 264 873 422"><b>Art 1</b> Meets everyday or 3 times a cycle</p> <p data-bbox="570 453 873 611"><b>Art 2</b> Prerequisite : Dept. approval Meets Everyday</p>	<p data-bbox="906 264 1209 422"><b>Art 1</b> Meets everyday or 3 times a cycle</p> <p data-bbox="906 453 1209 611"><b>Art 2</b> Prerequisite : Dept. approval Meets Everyday</p> <p data-bbox="906 642 1209 800"><b>Advanced Art</b> Prerequisite : Dept. approval Meets Everyday</p> <p data-bbox="906 831 1209 989"><b>AP Art</b> Prerequisite : Dept. approval Meets Everyday</p>	<p data-bbox="1242 264 1546 422"><b>Art 1</b> Meets everyday or 3 times a cycle</p> <p data-bbox="1242 453 1546 611"><b>Art 2</b> Prerequisite : Dept. approval Meets Everyday</p> <p data-bbox="1242 642 1546 800"><b>Advanced Art</b> Prerequisite : Dept. approval Meets Everyday</p> <p data-bbox="1242 831 1546 989"><b>AP Art</b> Prerequisite : Dept. approval Meets Everyday</p> <p data-bbox="1242 1020 1546 1178"><b>Portfolio Art Honors</b> Prerequisite: Dept. approval Meets Everyday</p> <p data-bbox="1242 1209 1546 1367"><b>Graphic Design</b> Prerequisite and Application Meets Everyday</p>

*All Fine Arts Fundamental courses will run for the entire year, 3 times a cycle*

**6010 Fundamentals of VISUAL ARTS****Grade 9 Requirement (optional choice)**

This visual arts course will provide a general overview of the arts for the purpose of exposure and appreciation, encouraging future participation in the Fine Arts program at Cardinal Spellman. This course will include an introduction to the Elements and Principles of Design, basic techniques of visual arts medias, and art history. Students will 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.

NOTE: Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets 3 times per cycle.

**6020 Fundamentals of VOCAL STUDY****Grade 9 Requirement (optional choice)**

This course is designed for students interested in vocal music and singing. Topics of study range from the observation and analysis of famous vocalists, vocal styles and techniques and music theory. Students in this course will have the hands-on opportunity to apply these methods to singing as an ensemble and in small group situations.

**6030 Fundamentals of INSTRUMENTAL STUDY****Grade 9 Requirement (optional choice)**

This course is designed for students interested in playing a musical instrument. Topics of study range from the observation and analysis of the families of instruments and techniques to understanding the power of instrumental music in the media and in our lives. Students in this course will have the opportunity to perform as an ensemble in both ensemble and small group situations. *Students who register for this course must have at least 1-2 years of instrumental lessons or experience playing in a band.*

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

This course is designed for students who love the theatre. 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.

**CORE ELECTIVES - VISUAL ARTS**

*\* Sophomores who have successfully completed a full-year of Biology, may opt to take a full-year Art Elective. See Guidance Counselor for approval.*

**6100 ART 1****Grades 10, 11, 12 Core 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.

NOTE: Due to space limitations, enrollment will be approved on a first-come first-served basis. You may choose to take this class for 5 credits, meeting every day, or you may take it as

**6125 ART 1 MINOR**, for 2.5 credits, meeting *3 times a cycle*. Credits vary according to the number of days a cycle the student is enrolled.

**6200 ART 2**

**Grade 10, 11, 12 Core 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.

**NOTE:** Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets every day of the cycle.

**PREREQUISITE:** average of C in Art 1; department approval

**6402 ADVANCED ART**

**Grade 11, 12 Core 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.

**NOTE:** Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets every day of the cycle.

**PREREQUISITE:** An average of B in Art 1 and Art 2 (or comparable outside courses and/or lessons); department approval.

**6403 ADVANCED PLACEMENT ART**

**Grade 11, 12 Core 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 and award students work by granting 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.

**NOTE:** Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets every day of the cycle.

**PREREQUISITE:** Department 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.

**NOTE:** This class meets every day of the cycle.

**PREREQUISITE:** Approval of application by instructor.

**6421 PORTFOLIO ART HONORS****Grade 12 Core 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. Student will be required to complete extensive independent work.

**NOTE:** Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets every day of the cycle.

**PREREQUISITE:** Department approval.

**PERFORMING ARTS EXPLORATORY SEMINARS****6810 CHORUS SEMINAR****Exploratory Seminar Gr. 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. This course meets 3 times per cycle.*

**6710 INSTRUMENTAL ENSEMBLE****Exploratory Seminar Grade 10, 11, 12**

This instrumental performance course is offered to student musicians who are players of brass, woodwind, strings and percussion instruments. 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.

**NOTE:** This course may require students to attend some rehearsals and performances outside of the school day as a performance nears. *This course meets 3 times per cycle.*

**PREREQUISITE:** Students must have at least two years prior experience of instrument lessons or playing in an instrumental ensemble.

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

This course is an in depth study of the origins of popular music in the 20<sup>th</sup> 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. *This course meets 2 times per cycle.*

**6640 MUSIC TECHNOLOGY****Exploratory Seminar 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. A 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. *This course meets 2 times per cycle.*

**6670 THEATER CRAFT****Exploratory Seminar 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 theatre 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. *This course meets 3 times per cycle.*

## **HEALTH & WELLNESS DEPARTMENT**

Physical Education 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 Part 1**  
**8210 HEALTH & WELLNESS Part 2**

**Grade 9 Required**  
**Gr. 10 Required**

Health and Wellness is required for graduation and is offered to students in Grades 9 (Part 1 - 2X per cycle) and 10 (Part 2 - 1 X per cycle). 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.

The Fitness component of the course 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 The Addiction process, Alcohol and Drug Awareness, Depression, Eating Disorders, Infectious Disease, Importance of Sleep, and Digital Literacy.

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

### **HEALTH AND WELLNESS EXPLORATORY SEMINAR**

**8300 STRENGTH AND CONDITIONING**

**Exploratory Seminar Gr. 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**

### **9210 INTRODUCTION TO COMPUTER PROGRAMMING**

**Grades 10, 11, 12 Core Elective**

This course is designed to introduce students to the fundamental concepts of computer programming using JAVA. Topics developed include algorithm and program design, modifying classes, data types, flow of control, top down design using functions and testing and debugging of programs.

### **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

### **9340 ANIMATION & 3D MODELING**

**Grades 10, 11, 12 Core Elective**

This course is designed to introduce students to basic methods and practices in animation, while exposing them to 3d Modeling and The course will provide an overview of techniques ranging from hand-drawn frame-by-frame animation, to object animation and pixelation.

Classes will usually consist of a short demonstration, viewing of related works, hands-on experimentation, and critique. Weekly assignments will further student's exploration of animation approaches and techniques. The course will conclude with the creation of final projects in which students will develop and create an animated short or use of applied animation.

## **COMPUTER SCIENCE EXPLORATORY SEMINARS**

### **9330 CODING**

**Exploratory Seminar Grades 10, 11, 12**

Have you ever wanted to learn to code in Java, JavaScript and Google Apps Script? Whether building a game or a world class business system, Java and JavaScript are the most widely used coding languages in the world today. Learn to code a Server with Java in a Google environment as well as Client (browser) based coding in JavaScript. Focus is on Conditional statements, data types, objects, classes, arrays & logic to solve programming challenges throughout the course. Not available to be taken concurrently with Introduction to Computer Programming or if student has already taken Introduction to Computer Program. This course is not an option for students who have already or who will be taking the full year Programming course #9210.

*This course meets 3 times per cycle.*

### **GAME DESIGN**

**Exploratory Seminar Grades 10, 11, 12**

Design and develop games using Apple's Swift programming language in conjunction with 2 of the most widely used game libraries (Unity & Sprite-Kit). Whether simple 2D fast paced action or detailed 3D scenes are your goal these game tools will be your new found friend. Target your project for Apple or Android platforms and take home your final project to play at will. Focus is on Coding, Art, Sounds, Game Flow, Player/Scene Movement, Levels and Logic.

*This course meets 3 times per cycle.*

## **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 the 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.

### **VIRTUAL HIGH SCHOOL (VHS)**

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.theVHScollaborative.org](http://www.theVHScollaborative.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.

## **EXPLORATORY SEMINAR SUMMARY**

*\*Exploratory Seminars meet 2 times per cycle, with the exception of **some** Fine Arts Exploratories, which meet a minimum of 3 times per cycle.*

### **9500 SAT PREP/REVIEW (Math & English)**

**Exploratory Seminar Grade 11 only**

This course is designed to provide skill building techniques and practice for the SAT exams in Math 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. This course meets twice a cycle for a full year.

### **5710 INTRODUCTION TO PHILOSOPHY**

**Exploratory Seminar 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.

### **6670 THEATER CRAFT**

**Exploratory Seminar 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 theatre 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.

### **1710 WRITING WORKSHOP**

**Exploratory Seminar 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.

### **7740 OUTCASTS AND REBELS**

**Exploratory Seminar 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 rebelled should be viewed within society. *This course meets 2 times per cycle.*

### **7750 CURRENT ISSUES**

**Exploratory Seminar 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. *This course meets 2 times per cycle.*

**6640 MOCK TRIAL EXPLORATORY****Exploratory Seminar Grades 10, 11, 12**

This course is designed to give students a basic knowledge of law that will be of practical use in their everyday lives. The course will provide practical advice and competency building activities to help students sharpen their analytical, listening and speaking skills. Students will learn more about the law, court procedures and our legal system as they prepare for a mock trial competition in January.

**2700 PERSONAL FINANCE****Exploratory Seminar Grades 11, 12 only**

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.

**4700 INTRODUCTION TO AMERICAN SIGN LANGUAGE****Exploratory Seminar 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.

**4544 SPANISH CULTURE****Exploratory Seminar 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.

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

This course is an in depth study of the origins of popular music in the 20<sup>th</sup> 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****Exploratory Seminar 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. A 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.

**6810 CHORUS****Exploratory Seminar Grades 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.*

**6710 INSTRUMENTAL ENSEMBLE****Exploratory Seminar Grades 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 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.

**6125 ART 1 MINOR****2.5 credits, meeting 3 times a cycle**

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. Credits vary according to the number of days a cycle the student is enrolled.

**9330 CODING****Exploratory Seminar Grades 10, 11, 12**

Have you ever wanted to learn to code in Java, JavaScript and Google Apps Script? Whether building a game or a world class business system, Java and JavaScript are the most widely used coding languages in the world today. Learn to code a Server with Java in a Google environment as well as Client (browser) based coding in JavaScript. Focus is on Conditional statements, data types, objects, classes, arrays & logic to solve programming challenges throughout the course. This course is not an option for students who have already or who will be taking the full year Programming course #9210.

**9350 GAME DESIGN****Exploratory Seminar Grades 10, 11, 12**

Design and develop games using Apple's Swift programming language in conjunction with 2 of the most widely used game libraries (Unity & Sprite-Kit). Whether simple 2D fast paced action or detailed 3D scenes are your goal these game tools will be your new found friend. Target your project for Apple or Android platforms and take home your final project to play at will. Focus is on Coding, Art, Sounds, Game Flow, Player/Scene Movement, Levels and Logic.

**8300 STRENGTH AND CONDITIONING****Exploratory Seminar 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.

## FRESHMEN FINE ARTS OPTIONS

### **6010 Fundamentals of VISUAL ARTS**

### **Grade 9 Requirement (optional choice)**

This visual arts course will provide a general overview of the arts for the purpose of exposure and appreciation, encouraging future participation in the Fine Arts program at Cardinal Spellman. This course will include an introduction to the Elements and Principles of Design, basic techniques of visual arts medias, and art history. Students will 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.

**NOTE:** Due to space limitations, enrollment will be approved on a first-come first-served basis. This class meets 3 times per cycle.

### **6020 Fundamentals of Vocal Study**

### **Grade 9 Requirement (optional choice)**

This course is designed for students interested in vocal music and singing. Topics of study range from the observation and analysis of famous vocalists, vocal styles and techniques and music theory. Students in this course will have the hands-on opportunity to apply these methods to singing as an ensemble and in small group situations. Meets 3X per cycle.

### **6030 Fundamentals of Instrumental Study**

### **Grade 9 Required (optional choice)**

This course is designed for students interested in playing a musical instrument. Topics of study range from the observation and analysis of the families of instruments and techniques to understanding the power of instrumental music in the media and in our lives. Students in this course will have the opportunity to perform as an ensemble in both ensemble and small group situations. *Students who register for this course must have at least 1-2 years of instrumental lessons or experience playing in a band.* Meets 3X per cycle.

### **6040 Fundamentals of Theater Arts**

### **Grade 9 Required (optional choice)**

This course is designed for students who love the theatre. 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. Meets 3X per cycle.

# 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)