



Course Description Book
2022-2023

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SMCHS UNIVERSITY OF CALIFORNIA APPROVED COURSES

2021-2022

(only underlined courses listed below will be assigned extra UC honors credit: A=5, B=4, C=3)

a-HISTORY/SOCIAL SCIENCE

AP European History
AP Government & Politics United States
AP United States History
AP World History
History of the Americas IB HL2
 United States Government
 United States Government MUN H
 United States History
United States History MUN H
 World History
 World History MUN H

b-ENGLISH

AP English Language and Composition
AP English Literature and Composition
 English 1
 English 1H
 English 2
 English 2 H
 English 3
 English 4
 English 4 Blended Online
English IB HL1
English IB HL2

c-MATHEMATICS

Algebra 1
 Algebra 1H
 Algebra 2
 Algebra 2H
AP Calculus AB
AP Calculus BC
AP Computer Science A
AP Statistics
 Calculus
 Financial Algebra
 Geometry
 Geometry A
 Geometry B
 Geometry H
Math AA IB SL
Math AA IB HL1
Math AA IB HL2
Math AI IB HL1
Math AI IB HL2
 Precalculus
Precalculus H
Precalculus H AI IB
 Probability and Statistics
 Statistics
 Trigonometry

d-LABORATORY SCIENCE

Anatomy and Physiology
AP Biology
AP Environmental Science
AP Physics 1
AP Physics C: Mechanics
 Biology the Living Earth
 Biology the Living Earth Aux
 Biology the Living Earth H
Biology IB HL2
Biology IB SL
 Chemistry Earth Systems
Chemistry Earth Systems H
Chemistry IB SL
 Chemistry in the Community
 Concepts of Environmental Sciences
 Concepts of Environmental Sciences Aux
Design Tech IB SL
 Earth Science
 Environmental Sciences
 Oceanography/Marine Biology
 Physics in the Universe
Physics H

Physics IB HL2

Environmental Systems IB SL

Sports Medicine 1
 Sports Medicine 2

e-LANGUAGE OTHER THAN ENGLISH

American Sign Language 1
 American Sign Language 2
 American Sign Language 3
 American Sign Language 4
 Ancient Greek 1 H
 Ancient Greek 2 H
 Ancient Greek 3 H
Greek IB SL
 French 1
 French 1H
 French 2
 French 2H
 French 3
French 3 H
 French 4
 French 5 H
AP French Language
French IB HL1
French IB HL2
French IB SL
 Latin 1H
 Latin 2H
 Latin 3H
Latin IB HL1
Latin IB HL2
Latin IB SL
 Mandarin Chinese 1H
 Mandarin Chinese 2H
Mandarin Chinese 3H
AP Chinese Language
 Mandarin Chinese IB HL1
Mandarin Chinese IB HL 2
Mandarin Chinese IB SL
 Spanish 1
 Spanish 1H
 Spanish 1 Aux
 Spanish 2
 Spanish 2H
 Spanish 2 Aux
 Spanish 3
Spanish 3 H
 Spanish 4
AP Spanish Language
Spanish IB HL1
Spanish IB HL2
Spanish IB S

f-VISUAL AND PERFORMING ARTS

3-D Sculpture and Design
Advanced Dance Honors
 Advanced Digital Media Production
 Advanced Drawing 1
 Advanced Graphic Design
 Advanced Handbells
 Advanced Painting 1
 Advanced Painting 2
 Advanced Painting H
 Advanced Photography
Advanced Theatre Honors
 Advanced Women's Chorus H
AP Art History
AP Music Theory
AP Drawing
 Art
 Beginning Dance
 Beginning Handbells
 Beginning String Techniques
 Beginning Video Production
 Broadcast Journalism
Broadcast Journalism H

Chamber Singers H
 Classical Guitar Ensemble
 Concert Choir
 Concert Band
Dance IB HL1
Dance IB HL2
Dance Production Honors
 Drawing
 Film 1
 Film 2
 Film IB HL1
Film IB HL2
 Graphic Design
 Intermediate Dance
 Intermediate Handbells
 Men's Chorus
 Modern and Contemporary Art H
Music Group Performance IB SL
 Music IB HL1
Music IB HL2
 Musical Theatre
 Musical Theatre 2
 Painting
 Photography
 Screenwriting H
 Steel Drum/Percussion Ensemble
 Steel Drum/Percussion Ensemble H
 String Orchestra
 String Orchestra H
 Television Production
 Theatre Arts 1
 Theatre Arts 2
 Theatre Arts 3
 Theatre Arts IB HL1
Theatre Arts IB HL 2
 Theatre Arts IB SL
 Theater Arts Production
Visual Arts IB HL1
Visual Arts IB HL2
 Wind Ensemble H

g-ELECTIVE

Accounting and Finance
 Advanced Algebra with Financial Algebra
Advanced Journalism Honors
 America's Civil War: Preserve the Union
AP Macroeconomics
AP Microeconomics
AP Psychology
 ASB Leadership
 Business Management IB HL1
Business Management IB HL2
 Concepts in Science A
 Cultural Geography
 Cultural Geography H MUN
 Cyber Security
 Debate and Argumentation
 Economics
 Economics H MUN
Economics IB SL
 Fundamentals of Business Ownership & Operation
Global Politics IB SL
 Introduction to Engineering and Robotics
 Introduction to Law
 Introduction to Philosophical Foundations
 Introductory Programming
 Journalism 1
Journalism Honors
 Laboratory Technology
Philosophy IB HL1
Philosophy IB HL2
 Psychology
 Sociology
 Social Media Marketing
Theory of Knowledge IB
 World War II: American Involvement

RELIGION COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Academic	Religion 1 The Eternal Word Christ: Who is Jesus	Religion 2 Pascal Mystery Mission of Christ The Church Continues Christ's Mission	Religion 3 Sacraments: Celebrating Encounters with Christ Morality and Ethics	Religion 4 Comparative Communities of Faith/Historical Church through Time Comparative Communities of Faith/Social Justice, Rights & Community Identity and Vocation/Introduction to Philosophical Foundations of Theology
International Baccalaureate*	Religion 3 Philosophy IB HL1			Religion 4 Philosophy IB HL2
Peer Ministry/ Christian Leadership				Religion 4 Ministry of Christian Vocation/Social Justice, Rights and the Community

Christian Service: All Grade Levels

Safe Environment/Family Life (interwoven throughout the curriculum)

Service Projects facilitated through Campus Ministry:

9 th	Caritas Christi Project
10 th	Agnus Dei Project
11 th -12 th	Lumen Christi Project

All Religion classes incorporate the Diocese of Orange Department of Catholic Schools Criteria for Safe Environment Curriculum.

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an "A" in previous academic classes or a "B" in previous Honors classes unless otherwise noted in the course description

*** Students enrolled in AP/IB classes are required to take the corresponding exam.**

Cost for AP exam - \$100, Cost for IB exam - \$119

0100A RELIGION 1: THE BIBLE, THE ETERNAL WORD / CHRIST: WHO IS JESUS

The first semester engages students in asking: How are God, the Trinity, and Jesus revealed through Tradition and Scripture? Multiple sources of Revelation are explored with a focus on Scripture, particularly an overview of the Old Testament, ways to approach and interpret Scripture, and specifically, the books of Genesis, Exodus, the period of Monarchy, and the Prophets.

The second semester further develops student understanding of the role of Tradition, the Church and human experience in God's gift of himself in the person of Jesus. All three of the synoptic gospels (Matthew, Mark, and Luke) and the Gospel of John, as well as an overview of Acts, comprise the understanding of the life, ministry, death and resurrection of Jesus Christ. Within this understanding, students review concepts of Trinity, Incarnation, Grace, Prayer, and Living as a Christian, from the foundational study of the Gospels. The focus of this semester is connecting Jesus' ministry to the ushering of the Kingdom of God.

Length of Course: Year

Open to Grade: 9

0200A RELIGION 2: PASCHAL MYSTERY: MISSION OF CHRIST/THE CHURCH CONTINUES CHRIST'S MISSION

The first semester helps students to understand all that God has done for us through his Son, Jesus Christ. Students begin with reviewing the story of the Fall in Scripture and the Promise of a Savior, to practice their skills of approaching and interpreting Scripture. Students develop an understanding that God has planned for us to share eternal happiness with God through the saving action of Christ and that redemptive suffering is founded in love of the "other.". They will learn how Christ's life, death and resurrection (the Paschal Mystery) fulfill God's promise of redemption, moving us to response in love and faith.

In the second semester, students grow to understand that in and through the Church, they encounter Jesus Christ. With a deeper delve into Acts of the Apostles, they will learn that the Church was founded by Jesus and continues to be sustained by the Holy Spirit as the living Body of Christ to continue Christ's work in the world. Through an understanding of the connectedness of the Father, Jesus and the Spirit, as expressed in the Church, students grow in their knowledge of the Trinity as well as an appreciation of the various models of Church.

Length of Course: Year

Open to Grade: 10

0300A RELIGION 3: SACRAMENTS: CELEBRATING ENCOUNTERS WITH CHRIST / MORALITY AND ETHICS

The first semester helps students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life in these sacramental celebrations. Additionally, students will reflect on the efficacy of the

sacraments and on their nature as sacramental people as members of the universal sacrament that is Church.

The second semester helps students understand that Christ and God's plan for human happiness are the foundations of Christian moral and thought and decision-making. Students reflect on their nature as being made in the image of God whose moral choices are their loving response to God, following the moral concepts and precepts that govern a Christian life to help them grow in the image of Christ. Students are also introduced to ethical theories and thought, as foundational to concepts of justice and the Common Good to guide application to specific moral questions in the areas of biomedical issues, economics, information technology, care of the earth and just peace.

Length of Course: Year

Open to Grade: 11

0300F RELIGION 3: PHILOSOPHY IB HL 1 **g) UC Approved, NCAA Approved**

The first semester helps students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. With an introduction to Plato and Augustine as well as to Aristotle and Aquinas, students develop a comprehension of the underlying philosophical foundations for sacramental theology. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. Additionally, students will reflect on the efficacy of the sacraments and on their nature as sacramental people and as members of the universal sacrament that is Church.

The second semester helps students reconcile the complementary roles of reason and faith in approaching the metaphysical questions of "Who are we? Why am I here? Is there an afterlife? Does God exist? Why is there evil? What is my purpose in life?" (*Fides et Ratio*, 1998). These course questions are examined through the lenses of classic and medieval philosophy (Plato, Augustine, Aristotle, Aquinas) as well as Enlightenment and modern philosophical movements (Suarez, Descartes, Kant, Hobbes, Maritain, etc.) to explore what it means to be a human being. Additionally, students pursue the question of free will for the understanding of human nature and its relationship with God and society (CCC, nos. 1749-1756). Students examine challenges to the belief in God's existence and to the existence of a human soul, evaluating some arguments for God's existence and the unity of soul and body (CCC, no. 365).

Length of Course: Year

Open to Grade: 11

†Prerequisite: A B- or higher in Academic English or a C or higher in Honors English

0401A RELIGION 4: COMPARATIVE COMMUNITIES OF FAITH / THE HISTORICAL CHURCH THROUGH TIME

Comparative Communities of Faith examines the ways in which the major faith traditions of the world approach the various questions and issues of life, beginning with a focus on ecumenism and interreligious dialogue as articulated in the Catholic Church documents of *Nostra Aetate* and *Gaudium et Spes*. Students examine the teachings ethical norms, sacred texts and rites of Christianity, Judaism, Islam, Hinduism, and Buddhism guides students in approaching with reverence the teachings, rules of life and sacred rites of world religions. Students will be guided to examine the diversity of the world's people, with the goal of respectful dialogue and global understanding

The Church through Time examines the history of the Catholic Church from its foundation to contemporary times, developing knowledge of the Church's more than 2000 year old history in apostolic and post-apostolic times, its influence in the western world, particularly during the Middle Ages, the Renaissance, the Reformation, and Age of Exploration. The course then examines the emergence of the Church during industrialization and through two World Wars as a voice for justice and reform. Students come to appreciate that the Church through time is the Body of Christ, evolving under the leadership of human successors to the apostles and the guidance of the Holy Spirit, with both divine and human elements active in its history and development.

Length of Course: Year

Open to Grade: 12

0402A RELIGION 4: COMPARATIVE COMMUNITIES OF FAITH / SOCIAL JUSTICE, RIGHTS, AND COMMUNITY

Comparative Communities of Faith examines the ways in which the major faith traditions of the world approach the various questions and issues of life, beginning with a focus on ecumenism and interreligious dialogue as articulated in the Catholic Church documents of *Nostra Aetate* and *Gaudium et Spes*. Students examine the teachings ethical norms, sacred texts and rites of Christianity, Judaism, Islam, Hinduism, and Buddhism guides students in approaching with reverence the teachings, rules of life and sacred rites of world religions. Students will be guided to examine the diversity of the world's people, with the goal of respectful dialogue and global understanding

Social Justice, Rights and Community guides students in exploring and understanding the foundational principles of social justice, human rights, and the role of community. The social teachings of the Catholic Church regarding human dignity, poverty, discrimination, workers' rights, solidarity, care for the creation, and just peace from the foundation for an inquiry into secular views on justice, such as the Universal Declaration on

Human Rights and John Rawls' Theory of Justice. This course aims to inspire students to promote peace, forge advocacy roles, and provide service to others, applying theory to practice in areas such as economic rights, human trafficking, homelessness, and poverty.

Length of Course: Year

Open to Grade: 12

0406A RELIGION 4: IDENTITY AND VOCATION / INTRODUCTION TO PHILOSOPHICAL FOUNDATIONS OF THEOLOGY

Identity and Vocation develops an understanding of our identity as people called to live and respond to God's call in our lives through prayer, discernment, and self-examination. Beginning with the student's own spiritual profile and various models of spirituality in the Church (mendicant/Franciscan/Dominican, Ignatian, monastic/Benedictine), the course guides students in opening to the call of God, listening to God's voice in their lives, and living with God in the world. Students then apply their developing spiritual insights to examining the vocations of married life, single life, and consecrated life, learning what is means to live in service of others and the value of fulfilling a vocation in service to the Christian community.

Introduction to Philosophical Foundations of Theology helps students learn methods of deductive and inductive reasoning to approach the ways in which philosophy has influenced the development of the theological thinking (*Fides et Ratio*, 1998), reconciling the complementary roles of faith and reason. The questions of "Who are we? Does God exist? Why is there evil? Why do Catholics believe as they do about existence, souls, sacraments, symbols? Do people have free will?" Students will read and discuss Plato, Aristotle, Augustine, Aquinas, Suarez, and others to explore these questions and how they relate to their understanding of themselves and their relationship with God and society (CCC, no. 365, 1749-1756).

Length of Course: Year

Open to Grade: 12

0463A RELIGION 4: MINISTRY OF CHRISTIAN VOCATION / SOCIAL JUSTICE, RIGHTS AND COMMUNITY

The Ministry of Christian Vocation helps students to understand the ways in which God calls us to live and the ways in which we respond to God's call, in prayer, discernment, and self-examination. Beginning with the student's own spiritual profile and various models of spirituality in the Church (mendicant/Franciscan/Dominican, Ignatian, monastic/Benedictine), the course guides students in opening to the call of God, listening to God's voice in their lives, and living with God in the world. Students then apply their developing spiritual insights to examining the vocations of married life, single life, and consecrated life, learning what it means to live in service

of others and the value of fulfilling a vocation in service to the Christian community.

Social Justice, Rights and Community guides students in exploring and understanding the foundational principles of social justice, human rights, and the role of community. The social teachings of the Catholic Church regarding human dignity, poverty, discrimination, workers' rights, solidarity, care for the creation, and just peace from the foundation for an inquiry into secular views on justice, such as the Universal Declaration on Human Rights and John Rawls' Theory of Justice. This course aims to inspire students to promote peace, forge advocacy roles, and provide service to others, applying theory to practice in areas such as economic rights, human trafficking, homelessness, and poverty

Throughout both semesters, students will serve and lead the faith community of SMCHS, planning and coordinating school Masses, school prayer services, retreats at all grade levels, praise and worship activities, and most importantly, are encouraged to create new opportunities for the SMCHS community. In order to both plan and implement these areas of ministry, students must be willing and able to attend meetings and events after school, before school, and/or on the weekends.

Length of Course: Year

Open to Grade: 12

***Prerequisite:** Because of the nature of this class and what is expected of the students in the class, all interested students are required to fill out a detailed application, obtain two written recommendations, and go through an interview.

0400F RELIGION 4: PHILOSOPHY IB HL 2

g) UC Approved, NCAA Approved

The Morality and Ethics course introduces students to moral and ethical reasoning, beginning with an examination of the Moral Law and Natural Law derived from Divine Inspiration, as explained by Aquinas and others. It will also uncover the depths of the Ten Commandments as a moral guide and ethical systems founded on absolute moral truths. Students continue reflecting on their human nature as being comprised of a unity of body and soul who seeks to the Good and who seek to model their lives on the life of Jesus Christ. Additionally, the schools of virtue ethics (through Aristotle and contemporary virtue ethicists), deontology (Immanuel Kant and contemporary deontologists), utilitarianism (John Stuart Mill and contemporary utilitarians), existentialist ethics, the Common Good, and theories with lesser influence are explored and compared with the Christian ethical perspective. Lastly, students examine the question of free will and determinism.

The Comparative Communities of Faith focuses first on ecumenism and interreligious dialogue as articulated in the Catholic Church documents of *Nostra Aetate* and *Gaudium et Spes*. The course helps students to understand the way in which the Catholic Church relates to other Christian denominations. Additionally, students will comprehend the Catholic approach to non-Christian faith traditions, specifically Judaism, Islam, Hinduism, and Buddhism. Students will also come to appreciate the diversity of non-Catholic faith communities, their Scripture, beliefs, rituals, and central ethics, and ways in which respectful dialogue and understanding can lead to unity. Secondly, students build on the foundation of God's Revelation that finds fulfillment in Jesus Christ to uncover important spiritual truths in both Christian and non-Christian communities of faith. Students also critically reflect on questions and theories of God's existence (teleological, cosmological, ontological) and the problem of evil.

Length of Course: Year

Open to Grade: 12

†Prerequisite: IB Full Diploma Candidacy

ENGLISH COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Academic	English 1 Introduction to Literature	English 2 World Literature	English 3 The American Experience In Literature	English 4 The Heritage of British Literature
Honors	English 1H Introduction to Literary Analysis	English 2 H Literary Analysis & Masterpieces of British Literature		
(AP) Advanced Placement*			AP English Language & Composition	AP English Literature & Composition
International Baccalaureate*			English IB HL 1	English IB HL 2 Theory of Knowledge IB (IB Full Diploma only)
Electives	Debate & Argumentation Journalism 1 H	Debate & Argumentation Advanced Debate & Argumentation H Journalism 1 H Advanced Journalism Yearbook	Debate & Argumentation Advanced Debate & Argumentation H Journalism 1 H Advanced Journalism Yearbook	Debate & Argumentation Advanced Debate & Argumentation H Journalism 1 H Advanced Journalism Yearbook

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and passing grade on essay exam or a “B” in previous Honors classes unless otherwise noted in the course description

* Students enrolled in AP/IB classes are required to take the corresponding exam.
Cost for AP exam - \$100, Cost for IB exam - \$119

Our English classes expose students to the study of literary criticism. This study may include instruction in the following schools of critical thought: Psychoanalytical, Feminist, Marxist, Cultural, Structuralist, Deconstructionist, Reader Response and Gender.

We must have sufficient enrollment in each elective in order for the class to be offered.

1100A ENGLISH 1 (*Introduction to Literature*)
(b) UC Approved, NCAA Approved

This is a 9th grade college preparatory course introducing students to the fundamentals of reading and writing about literature. The course focuses on the skills necessary for success in college: reading comprehension, critical thinking, literary analysis, writing about literature, essay writing, creative writing, grammatical accuracy in writing, vocabulary development, and communications skills. Students are placed in English 1 according to the verbal, reading, and language scores on their Santa Margarita Catholic High School Entrance Exam.

Length of Course: Year

Open to Grade: 9

1100C ENGLISH 1 HONORS (*Introduction to Literary Analysis*)
(b) UC Approved, NCAA Approved

This course is designed for academically talented 9th grade students who intend to prepare for entrance to competitive colleges and universities. It is the first building block in the series of English Honors courses leading to Advanced Placement English and International Baccalaureate Language A1 Program in the Junior and Senior years. The course introduces the student to literary analysis through the study of literary terminology and writing about literature. In addition, it focuses on the skills necessary for success in college: reading comprehension, critical thinking, literary analysis, writing about literature, essay writing, grammatical accuracy in writing, vocabulary development, and communication skills. It also provides the foundation for much of the literature to be studied in the Junior and Senior years through study of mythological allusions in literature.

Length of Course: Year

Open to Grade: 9

Prerequisites: Placement is based on the SMCHS entrance examination and/or the English Department Placement Essay.

1200A ENGLISH 2 (*World Literature*)
(b) UC Approved, NCAA Approved

This is a 10th grade college preparatory course focusing on world literature. It continues to focus on the skills necessary for success in college: reading comprehension, critical thinking, literary analysis, writing about literature, essay writing, grammatical accuracy in writing, vocabulary development, research skills, and communication skills. Students will be introduced to the skills used in finding and using literary criticism in writing literary analysis.

Length of Course: Year

Open to Grade: 10

1200C ENGLISH 2 HONORS (*Literary Analysis & Masterpieces of British Literature*)

(b) UC Approved, NCAA Approved

This course is designed for academically talented 10th grade students who intend to prepare for entrance to competitive colleges and

universities. It is the second building block in the series of English Honors courses leading to Advanced Placement English and the International Baccalaureate English A: Literature HL Program in the Junior and Senior years. This course focuses on masterpieces of British literature and continues the development of skills necessary for success in college: reading comprehension, critical thinking, literary analysis, writing about literature, essay writing, creative writing, grammatical accuracy in writing, vocabulary development, research skills, and communication skills. Students will be introduced to the skills used in finding and using literary criticism in writing analytical essay, and will write several essays using and correctly documenting literary criticism.

Length of Course: Year

Open to Grade: 10

†**Prerequisites** Completion of English 1

1300A ENGLISH 3 (*The American Experience in Literature*)
(b) UC Approved, NCAA Approved

This is an 11th grade college preparatory course focusing on American literature from the Colonial period to the present. Students continue their development of the skills necessary for success in college: reading comprehension, critical thinking, analyzing and writing about literature, grammatical accuracy, vocabulary development, research skills, and communication skills. Students will learn rhetorical strategies/devices and will write argumentative/persuasive essays.

Length of Course: Year

Open to Grade: 11

1301E AP ENGLISH LANGUAGE & COMPOSITION
1301F ENGLISH IB HL 1
(b) UC Approved, NCAA Approved

This course is designed for academically talented 11th grade students who intend to prepare for entrance to competitive colleges and universities. It is the first year of the continuing two-year International Baccalaureate English A: Literature Higher Level Program as well as the Advanced Placement Language and Composition course. The content focuses on the study of language and the dialogue that occurs between the writer and his craft using American and World Literature that is enduring and inventive. Throughout the thematic organization of the course, students will examine literary genres, writing styles, and narrative techniques in depth. The aim is to gain insight into similar and unique approaches to human concerns across cultures. Skills that will be emphasized are critical thinking, reading comprehension, style analysis, oral and written commentary, and research methods. Students will be reading and analyzing individual works in depth, and writing formal and in-class style analytical essays.

Length of Course: Year

Open to Grade: 11

†**Prerequisites** Completion of English 2

1400A ENGLISH 4 (*The Heritage of British Literature*)
(b) UC Approved, NCAA Approved

As a grade 12 college preparatory course, English 4 focuses on British literature from the early Anglo-Saxon period to the present, relating the progression of the literature to the evolution of the English language. Students continue to cultivate the skills necessary for success in college: critical reading and analysis of literature; developing ideas about literary works; writing critically and creatively; communicating ideas in written and oral forms; developing sophisticated vocabulary and grammatical accuracy; developing research ideas and conducting research. Utilizing information gained from examining various schools of literary criticism, students evaluate literary works through specific critical lenses and create analytical responses to the literature which incorporate and synthesize academically substantial interpretive perspectives.

Length of Course: Year

Open to Grade: 12

1411E AP ENGLISH LITERATURE & COMPOSITION
1411F ENGLISH IB HL 2
(b) UC Approved

This course is open to academically talented 12th grade students who intend to prepare for entrance to competitive colleges and universities and who wish to take the Advanced Placement Examination in Literature and Composition. It is also the second year of the International Baccalaureate English A: Literature Higher Level Program. This course continues the student's practice in literary analysis of selected works of poetry, fiction, and drama. It emphasizes critical thinking; writing about literature; vocabulary development; grammatical accuracy and style in writing, and research techniques. It also emphasizes intensive practice in close reading, oral presentation, and writing under the pressure of time. Through a thematic organization, students will examine structural complexity in poetry and fiction and discuss themes of identity and meaning in pre-modern, modern, and post-modern paradigms.

Length of Course: Year

Open to Grade: 12

†**Prerequisites:** Successful completion of AP English Language & Composition or English HL 1 IB

1500F THEORY OF KNOWLEDGE IB
(g) UC Approved

Theory of Knowledge IB is a course which investigates the nature of knowledge. The focus of the course is on identifying the knowledge issues inherent in a variety of real-world situations to examine the ways in which we acquire and develop human knowledge. Students connect the ways of knowing through various lenses to the following areas of knowledge: human sciences, natural sciences, math, history, the arts, and ethics. The process of the course is critical reading and writing, reflection, and shared discussion; additionally, students select contemporary multi-media which they process through knowledge issue analysis, short targeted writing, and blog posts. Students engage in formal 1200-1600 word essays,

culminating in a final 1600 word essay response to a prompt selected from IB provided prescribed titles on a variety of knowledge topics. An additional assessment of a culminating oral presentation, which may be done individually or in pairs, completes course expectations.

Length of Course: Year

Open to Grade: 12

Prerequisite: This required course is open to IB Full Diploma Candidates only.

1620A DEBATE AND ARGUMENTATION
(g) UC Approved, NCAA Approved

Students will learn argumentative techniques in fact, value, and policy debate and will study research skills and development of cases concerning national and international issues. Students will discuss and debate current events during Socratic Discussions in class. Cases will be prepared for competitive speaking and debating opportunities in class and interscholastically through the Debate tournament circuit in Southern California. Students will learn and practice the following styles of speech and debate: Public Forum, Congress, Parliamentary, Lincoln-Douglas, Impromptu Speech, Extemporaneous Speaking, and Oratorical Interpretation.

Length of Course: Year

Open to Grades: 9 - 12

Note: Students are required to participate in 1 off campus tournament per semester.

1622C ADVANCED DEBATE AND ARGUMENTATION H
UC Approval Pending, NCAA Approved

Students will continue their study of Speech and Debate, focusing on the following styles: Student Congress, Public Forum Debate, Lincoln-Douglas Debate, Oratorical Interpretation, Impromptu and Extemporaneous Speech. Students will be expected to research current political topics and write an affirmative and negative case for these forms of debate. The process of the course is critical reading and writing, reflection, and shared discussion; Students engage in research and structured speech writing of the topics released by the National Speech and Debate Association each month.

An additional assessment of oral presentation through formal debates, which may be done individually or in pairs, completes course expectations. Students are also required to participate in outside tournaments each semester using the cases and speeches prepared in class and outside of class.

Length of Course: Year

Open to Grades: 10,11,12

Pre-requisites:

- 1) Completion of Debate and Argumentation with a grade of B or better both semesters.
- 2) A grade of B or better in English second semester.
- 3) Recommendation from Debate Teacher.
- 4) Successful participation in Speech and Debate Tournaments in previous year(s)

1630C JOURNALISM H

(g) UC Approved, NCAA Approved

Journalism honors students develop all the skills learned in English and/or previous Journalism classes, as well as leadership skills, to be eligible for editorial board positions on the school newspaper. Journalism Honors students earn leadership opportunities by demonstrating knowledge of business aspects of the paper: media law, circulation and advertising. Students learn broad writing for media skills beyond print. Units include: media law and ethics, web design, blogging, podcasting, screen casting, social media, short video and audio production, studio basics, as well as graphic design and the Adobe Creative Suite.

Length of Course: Year

Open to Grades: 9-12

Prerequisites: Grade of B or better in all previous English coursework.

1631A ADVANCED JOURNALISM

(g) UC Approved, NCAA Approved

Advanced Journalism Honors: Newspaper Production 1 & 2 is a rigorous yearlong elective course for highly motivated sophomores (with instructor approval), junior and senior students who have successfully completed Journalism 1. Senior students may enter staff upon recommendation from their English instructor, and permission of the newspaper adviser. These students are organized

into a self-governing staff of editors, staff writers, photographers and designers. Students apply advanced skills required by the modern scholastic newspaper, primarily writing, editing, designing and publishing quarterly print editions and weekly web editions of the school newspaper. Students will be expected to write a minimum of 10 articles per semester, in addition to completing photo and layout assignments. In addition, students will be expected to keep current with recent news events and journalistic trends to continually increase the quality of modernity of the school newspaper. Students must have the ability to manage a variety of simultaneous tasks and writing assignments, accept and apply critical feedback, adhere to strict deadlines and devote extensive time outside of class to projects.

Length of Course: Year

Open to Grades: 10, 11, 12

Prerequisites: Teacher approval

7550A YEARBOOK

Yearbook covers the journalistic, artistic, business and technical elements of both content and structure in producing a school yearbook. Students will learn to create a theme, plan and design layouts on the computer, write headlines, photo captions and body copies. In addition, students will learn interview skills. This course requires extra time to attend games and functions per each assignment. Working on class computers before school, at lunch or after school is a strong possibility as deadlines approach.

Length of Course: Year

Open to Grades: 10, 11, 12

Prerequisite: Approval of the instructor.

MATHEMATICS COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Auxiliary Studies	Algebra 1 Aux	Algebra 2 Aux	Geometry A	Geometry B
Academic	Algebra 1 Algebra 2	Algebra 2 Geometry	Geometry Pre Calculus Pre Calculus STEM Calculus Financial Algebra Probability & Stats Trigonometry	Pre Calculus Pre Calculus STEM Calculus Statistics Probability & Stats Trigonometry Financial Algebra
Honors/AP/IB*	Algebra 1H Algebra 2H	Algebra 2H Geometry H Pre Calculus H	Geometry H Pre Calculus H Precalculus H AI IB Math AA IB SL Math AA IB HL1 Math AI IB HL1 AP Calculus AB AP Calculus BC AP Statistics	Pre Calculus H Math AA IB SL Math AA IB HL 2 Math AI IB HL 2 AP Calculus AB AP Calculus BC AP Statistics
Programming	Cyber Security Intro to Programming	Cyber Security Intro to Programming	Cyber Security Intro to Programming AP Computer Science A	Cyber Security Intro to Programming AP Computer Science A

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and teacher recommendation or a “B” in previous Honors classes unless otherwise noted in the course description

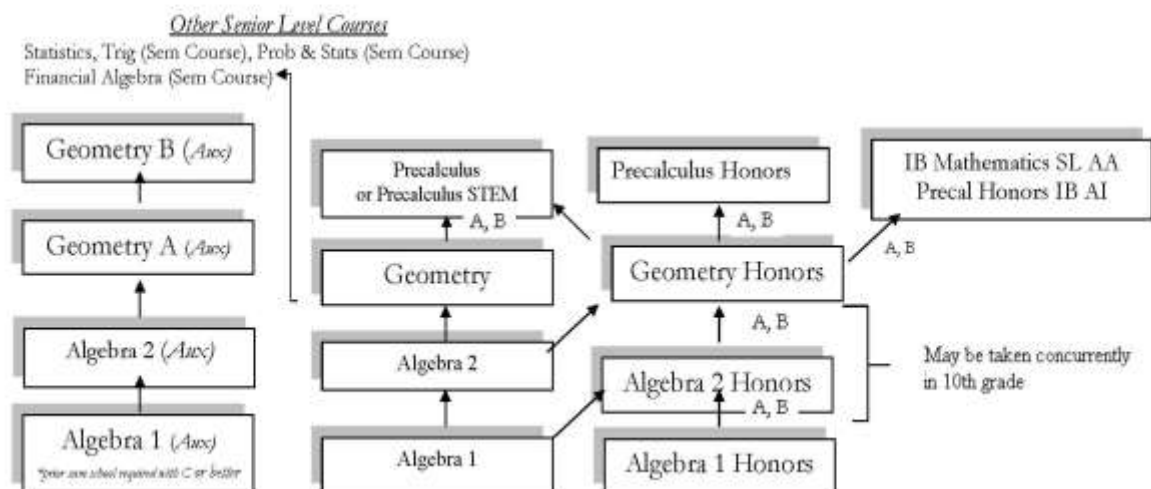
** Students enrolled in AP/IB classes are required to take the corresponding exam.
Cost for AP exam - \$100, Cost for IB exam - \$119*

We must have sufficient enrollment in each elective in order for the class to be offered.

MATHEMATICS DEPARTMENT FLOW CHART

Santa Margarita Catholic High School BEGINNING LEVELS *Mathematics*

**revised 1/20

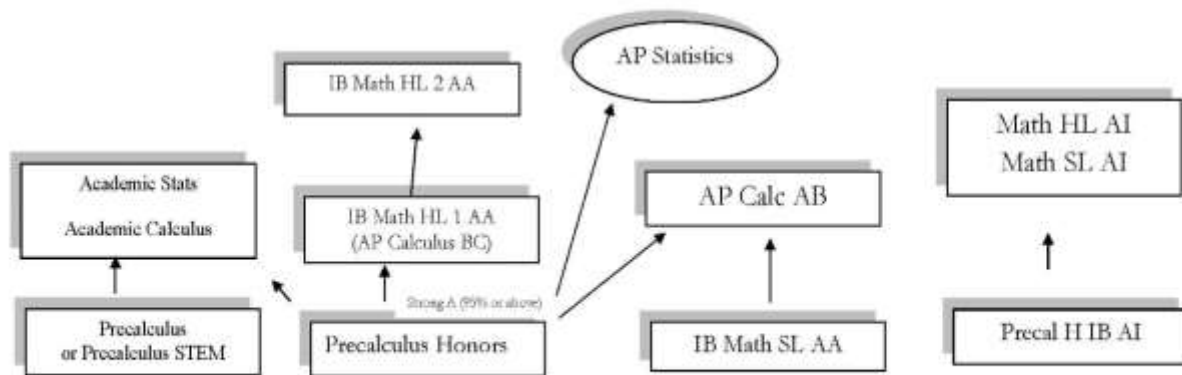


**Auxiliary Classes ONLY open to students in the ASP Program*

- no letter grade indicated reflects prerequisite of C or better
- grades of C or below in Honors result in column movement left
- Additional option is Algebra 2 Honors, Geometry, IB Math Studies

Santa Margarita Catholic High School UPPER LEVELS

Mathematics
**revised 1/20



*See Course catalog for prerequisites for each course

Other Senior Level Courses

Statistics, Trig (Sem Course), Prob & Stats (Sem Course)
Financial Algebra (Sem Course)

2109A ALGEBRA 1 AUX

(c) UC Approved

This course is designed to develop skills in working with real numbers and polynomials. Students learn to evaluate formulas, to solve first and second degree equations and inequalities, to solve systems of equations, plus additional algebra topics that encourage them to practice and improve logical thought processes.

Length of Course: Year

Open to Grade: 9

Prerequisites: Freshman students must be in the Auxiliary Students Program and placement is based on the mathematics and quantitative sections of the SMCHS Entrance Examination as well as the SM Math Placement Test.

2110A ALGEBRA 1

(c) UC Approved, NCAA Approved

This course is designed to develop skills in working with real numbers and polynomials. Students learn to evaluate formulas, to solve first and second degree equations and inequalities, to solve systems of equations, plus additional algebra topics that encourage them to practice and improve logical thought processes.

Length of Course: Year

Open to Grade: 9

Prerequisites: Placement of freshmen is based on the mathematics and quantitative sections of the SMCHS Entrance Examination as well as the SM Math Placement Exam

2110C ALGEBRA 1 HONORS

(c) UC Approved, NCAA Approved

This accelerated course covers the topics of Algebra 1 in greater depth and includes many additional topics. This enables students who are able to meet the challenge of an accelerated pace to be better prepared for the advanced science and mathematics classes.

Length of Course: Year

Open to Grade: 9

Prerequisites: See Freshmen Placement Policy.

2190A ALGEBRA 2 AUX

(c) UC Approved

This course will prepare students for college, deepen their understanding and increase their skills in working with algebraic concepts learned in Algebra 1. This will include the introduction of functions and relations and graphing of linear, quadratic, exponential and logarithmic functions.

Length of Course: Year

Open to Grade: 10

Prerequisites: Students must be in the Auxiliary Studies Program and have successfully completed Algebra 1 Aux.

2200A ALGEBRA 2

(c) UC Approved, NCAA Approved

This course will prepare students for college, deepen their understanding and increase their skills in working with algebraic concepts learned in Algebra 1. This will include the introduction and in-depth study of functions and relations and graphing of linear, quadratic, exponential and logarithmic functions. A proficiency in solving word problems will also be stressed.

Length of Course: Year

Open to Grades: 9, 10

Prerequisites: Completion of Algebra 1. **Incoming Freshmen** who have met the Algebra 2 benchmark on the SM Math Placement Exam will be placed in this course.

2200C ALGEBRA 2 HONORS

(c) UC Approved, NCAA Approved

This accelerated course covers the concepts of Algebra 2 in greater depth and involves higher order critical thinking skills. Strong emphasis is placed on understanding mathematics conceptually, its structures and processes. Students who excel in the area of mathematics and who are planning further study in mathematics or science-related fields are encouraged to take this course. This course includes concepts that are part of the IB curriculum.

Length of Course: Year

Open to Grades: 9, 10

Prerequisites: Completion of Algebra 1 or Incoming Freshman who have met the Algebra 2 Honors benchmark on the SM Math Placement Exam and minimum scores of **1235 combined** on the math and quantitative portions of the SMCHS Entrance exam.

2308A GEOMETRY A

(c) UC Approved, NCAA Approved

This course is designed for the student who needs a slower paced, more detailed presentation of Geometry topics. It is the first course in a two-part series of Geometry. Together with Geometry B this course comprises a one-year credit equivalent. Students will participate in hands-on activities that will allow them to discover geometric concepts as well as use Geometer's Sketchpad, a computer software program that supports the curriculum. Practical applications of geometric concepts are presented and emphasized throughout the course and Algebra concepts will permeate throughout the course within context so that these concepts are reinforced and applied.

Length of Course: Year

Open to Grade: 10, 11

Prerequisites: Completion of Algebra 1.

Note: Students must be in Auxiliary Studies Program in order to qualify for this course. Geometry A and Geometry B together fulfill the "C requirement of the UC System.

2309A GEOMETRY B

(c) UC Approved, NCAA Approved

This is the second course in a two-year program of Geometry. It was developed for students who can expect to learn Geometry more effectively by having it presented at a slower pace. Coupled with Geometry A the previous year, a comprehensive program in high school Geometry is completed.

Length of Course: Year

Open to Grade: 11, 12

Prerequisites: Completion of Geometry A with a C or better.

Note: Students must be in Auxiliary Studies Program in order to qualify for this course. Geometry A and Geometry B together fulfill the "C requirement of the UC System.

2310A GEOMETRY

(c) UC Approved, NCAA Approved

The purpose of Geometry is to enable students to think logically and to express seemingly complex ideas precisely through problem solving as well as formal proofs. Geometry also encourages the development of imagination, creativity and skills of observation and space perception while continuing to reinforce Algebra skills. Practical applications of geometric concepts are presented and emphasized throughout the course.

Length of Course: Year

Open to Grades: 10, 11

Prerequisites: Completion of Algebra 2.

2310C GEOMETRY HONORS

(c) UC Approved, NCAA Approved

The purpose of Geometry Honors is to move beyond the basic material presented in the regular course in order to provide a sufficient challenge for the outstanding math student. The basic terminology, principles, properties and concepts are presented with a much greater level of profundity. Students pay particular attention to the logical development of organized, reasonable and creative formal proofs. This course includes concepts that are part of the IB curriculum.

Length of Course: Year

Open to Grades: 10,11

Prerequisites: † Completion of Algebra 2.

2400A PRECALCULUS

(c) UC Approved, NCAA Approved

This course is designed to follow Geometry in preparing the student to study Calculus. The topics covered will include functions, trigonometric functions and analysis, linear systems and conic sections. At the end of this course, the students will have the skills necessary to enter a college level Calculus course.

Length of Course: Year

Open to Grades: 11,12

Prerequisites: Completion of Algebra 2 and Geometry.

2401A PRECALCULUS STEM

(c) UC Approved, NCAA Approved

The course looks at precalculus from a STEM approach – using technology, physics and engineering applications. The topics covered will include functions, trigonometry, linear systems and conic sections. The course will work with the physics course and their laboratory experiments to show problem solving and applications of the math learned. Real world, problem based engineering problems will also be emphasized. TI-Nspire will be used to enhance problem solving through technology. At the end of this course, the students will have the skills necessary to enter a college level Calculus course.

Length of Course: Year

Open to Grades: 11,12

Prerequisites: Completion of Algebra 2 and Geometry. Concurrent enrollment in Physics of the Universe is required.

2400C PRECALCULUS HONORS

(c) UC Approved, NCAA Approved

This accelerated course covers the topics of Precalculus at a faster pace and in greater depth, and also includes additional material. Its purpose is to give the students a solid foundation for Calculus, to gain an appreciation of mathematics as a logical science and to show the usefulness of the subject matter through a variety of applied problems from many different disciplines. After successful completion of this course, the students will be prepared to take Advanced Placement Calculus in high school or Calculus at the college level. This course also prepares sophomores for the Mathematics HL IB courses.

Length of Course: Year

Open to Grades: 10,11,12

†**Prerequisites:** Completion of Algebra 2 Honors and Geometry Honors.

2402C PRECALCULUS H AI IB

2712F MATH AI IB HL1

(c) UC Approved

This course is designed to follow Geometry or Geometry H. It is the first year in a 2 year sequence culminating in either Math SL AI or Math HL AI, depending on the performance in year 1. The topics covered will include algebraic, rational and exponential functions, trigonometric functions and analysis, linear systems, sequences and series, polar graphs, statistics, and calculus. At the end of this course, the students will have the skills necessary to enter a college level Calculus course.

This course recognizes the increasing role that mathematics and technology play in a diverse range of fields in a data-rich world. As such, it emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. The course makes extensive use of technology to allow students to explore and construct mathematical models.

Length of Course: Year

Open to Grades: 11,12

†**Prerequisites:** Completion of Geometry.

2600A STATISTICS

(c) UC Approved, NCAA Approved

This math course is a full year of statistics, including applications to probability. The major themes of this course are exploratory analysis, questioning techniques and types of measurement, probability (used for anticipating how the data should appear), and statistical inference.

Length of Course: Year

Open to Grade: 12

Prerequisite: Completion of Algebra 2 and Geometry.

2600E AP STATISTICS

(c) UC Approved, NCAA Approved

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

1. Exploring data: Observing patterns and departures from patterns
2. Planning a study: Deciding what and how to measure
3. Anticipating patterns in advance: Producing models using probability and simulation
4. Statistical inference: Confirming models

Students who successfully complete this course and the Advanced Placement examination may receive credit and/or advanced placement for a one semester introductory college statistics course.

Length of Course: Year

Open to Grades: 12

†Prerequisite: Completion of Precalculus Honors.

2720F MATHEMATICS AA IB SL

(c) UC Approved

This course is a Prerequisite for those students interested in taking the Mathematics SL exam. The course includes Precalculus topics such as Functions and Equations, Circular Functions and Trigonometry, Matrices, and Vectors. Probability and Statistics concepts including Probability Distributions will also be part of the course. The third quarter of this course includes Calculus topics such as Limits, Derivatives, Curve Properties, Optimization Applications, Integrals, Area, Volume and Kinematics. Students will also complete a mathematical exploration which is a project-oriented assessment and will comprise 20% of their IB grade.

Length of Course: Year

Open to Grades: 11,12

†Prerequisites: Completion of Algebra 2 Honors and Geometry Honors.

2700A CALCULUS

(c) UC Approved, NCAA Approved

This is a year long course that covers the elements of beginning college calculus. The course covers limits, derivatives, definite integrals of algebraic and transcendental functions, and the application of derivatives and integrals. Techniques of integration and integrals may also be covered. This course does not follow the curriculum needed to take the Advanced Placement Exam in Calculus. This course is ideal for students who would like an introduction to Calculus for college preparation, but do not desire the rigor or pace of the Advanced Placement Course.

Length of Course: Year

Open to Grades: 10, 11, 12

Prerequisites: Completion of PreCalculus

2700E AP CALCULUS AB

(c) UC Approved, NCAA Approved

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This Advanced Placement course covers the entire "AB" syllabus published by the College Board and is designed for the students who are prepared to pursue college level studies while in high school. An attempt is made to strike a balance between the theory, technique and application of the Calculus. Calculus AB is primarily concerned with an "intuitive" understanding of the concepts of Calculus and experience with its methods and applications. Upon completion of this course, the students will be adequately prepared for the Calculus AB examination. Success on this examination will possibly enable them to receive appropriate credit and placement at the college they will attend. The customary policy of most colleges and universities is, upon completion of a passing grade on the AP Calculus AB examination, to give a semester of college math credit and place the student into a second semester Calculus course.

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Length of Course: Year

Open to Grades: 11,12

†Prerequisites: Completion Precalculus Honors

2710E AP CALCULUS BC

2711F MATH AA IB HL1

(c) UC Approved, NCAA Approved

This Advanced Placement course is an intensive year long course in the Calculus of functions of a single variable. In addition to the topics covered in Calculus AB, the Calculus BC course includes all additional topics listed in the "BC" syllabus published by The College Board. Upon completion of this course, the student will be adequately prepared for the Calculus BC examination. Success on this examination will possibly enable them to receive appropriate credit and placement at the college they will attend. The customary policy of most colleges and universities is, upon completion of a passing grade on the AP Calculus BC examination, to give a year of college math credit and place the student into a third semester Calculus course.

Length of Course: Year

Open to Grades: 11,12

†Prerequisites: Completion of Precalculus Honors or Mathematics AA IB SL with a high A.

2721F MATHEMATICS AA IB HL 2

(c) UC Approved

This course is the second year of a two-year prerequisite for those students interested in taking the Mathematics AA HL IB exam. The course includes Extensive Probability and Statistics concepts which will include Bayes' Theorem, Expected Value, Probability Distributions such as the Poisson Distributions. Precalculus extended topics will include Mathematical Induction, Complex Numbers, DeMoivre's Theorem, and Vectors in Three-Dimensions. Homogeneous differential equations and the integrating factor will also be considered. Students will also complete portfolio assignments which are project-oriented assessments and comprise 20% of their IB grade.

Length of Course: Year

Open to Grade: 12

†Prerequisites: Completion of AP Calculus BC or Mathematics HL 1 IB and concurrent enrollment or completion of AP Statistics if interested in Statistics option.

2722F Math AI IB HL 2

(c) UC Approved,

This class emphasizes the meaning of mathematics in context by focusing on topics that are often used as applications or in mathematical modelling. To give this understanding a firm base, this course also includes topics that are traditionally part of a pre-university mathematics course such as calculus and statistics. The course makes extensive use of technology to allow students to explore and construct mathematical models. Mathematics: applications and interpretation will develop mathematical thinking, often in the context of a practical problem and using technology to justify conjectures.

Length of Course: Year

Open to Grade: 12

Prerequisites: Completion of Precal H AI IB

2800AS TRIGONOMETRY Paired with Prob and Stats

(c) UC Approved, NCAA Approved

This is a one semester course for students who wish to broaden their base of mathematical knowledge and strengthen their mathematical experiences. This course will prepare the students for college level math courses who are not yet ready for Precalculus. It is an in-depth study of trigonometric ratios, functions and relations, and involves computation and theoretical processes. This semester course must be taken in conjunction with the semester course Probability and Statistics or Financial Algebra

Length of Course: Semester **Open to Grade:** 11, 12

Prerequisites: Completion of Algebra 2 and Geometry

2810AS PROBABILITY AND STATISTICS

Paired with Trigonometry

(c) UC Approved, NCAA Approved

This semester long course is designed to enhance statistical literacy by introducing the science of statistics, providing instruction in probability, creating a bridge between probability as an underpinning science and applied inferential statistics and providing students with practical techniques for hypothesis testing. This semester course must be taken in conjunction with the semester course Trigonometry or Financial Algebra.

Length of Course: Semester

Open to Grades: 11,12

Prerequisites: Completion of Algebra 2 and Geometry.

2811A FINANCIAL ALGEBRA

(c) UC Approved, NCAA Approved

This is a year long course designed for the student who needs to refresh their knowledge of Algebra and Geometry in preparation for college level math courses. It is a comprehensive study of these subjects using application and math modeling. Students are more apt to understand and master mathematical concepts when they can associate those concepts with real life experiences and applications.

Length of Course: Year

Open to Grades: 11,12

Prerequisites: Completion of Algebra 1, Algebra 2, and Geometry.

6110A INTRODUCTORY PROGRAMMING

(g) UC Approved

A first course in programming using Java to introduce and develop initial programming skills. Structured programming will be stressed through proper control flow and simple data types. Problem solving, critical thinking, and logical thinking skills are essential and will be developed during the class. This course also covers various computer ethics and current technology trends.

Length of Course: Year

Open to Grades: 9,10,11,12

Prerequisite: Concurrent enrollment in Algebra 2.

6112E AP COMPUTER SCIENCE A

(g) UC Approved

The AP Computer Science A course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.

Length of Course: Year **Open to Grades:** 10,11,12

†Prerequisite: Teacher Approval.

6113A CYBER SECURITY

(g) UC Approved

Cyber Security prepares students for success in post-secondary information technology majors and for careers in network administration and information technology support services with a focus on cyber security. The course includes a series of technical modules that provide hands-on learning as well as knowledge and skills development in computer hardware, operating systems, networking, coding, and security infrastructures. Industry-based curricula are utilized in network and virtual image environments to emulate real-life scenarios and prepare students for industry recognized certifications. Students research and address ethical and legal standards related to information security. Students mitigate cyber vulnerabilities through intricate problem-solving scenarios requiring critical thinking, incident response and analysis, and collaboration. Ethical hacking and penetration testing concepts will be introduced with an emphasis on information security research. Students will be expected to use network scanners, network packet capture, network security and auditing tools to accomplish tasks. The Cybersecurity curriculum is designed to ensure a deep understanding of privacy, reliability, and integrity of information systems for students preparing for majors and careers in Cyber Security and Information and Communications Technology.

Length of Course: Year **Open to Grades:** 9, 10,11,12

SCIENCE COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Auxiliary Studies	Concepts in Environ Sci Aux	Biology	Chemistry in the Community	Earth Science
Academic	Concepts in Environ Sci Biology	Biology Chemistry in the Community Chemistry Sports Medicine 1	Chemistry Anatomy & Physiology Environmental Science Forensic Science Physics Oceanography/Marine Bio Sports Medicine 1 Sports Medicine 2	Anatomy & Physiology Earth Science Environmental Science Forensic Science Physics Oceanography/Marine Bio Sports Medicine 1 Sports Medicine 2
Honors	Biology H	Chemistry H	Chemistry H	
Advanced Placement (AP)*			AP Biology AP Environmental Science AP Physics 1 AP Physics C	AP Biology AP Environmental Science AP Physics 1 AP Physics C
International Baccalaureate*			Biology IB SL Biology IB HL 1 Chemistry IB SL Physics IB HL 1 Environmental Systems IB SL Design Technology IB SL	Biology IB SL Biology IB HL 2 Chemistry IB SL Physics IB HL 2 Environmental Systems IB SL Design Technology IB SL
Health (Graduation Requirement)	Health	Health	Health	Health

Auxiliary Studies – available only to registered ASP students

† **Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and teacher recommendation or a “B” in previous Honors classes unless otherwise noted in the course description**

** Students enrolled in AP/IB classes are required to take the corresponding exam.*

Cost for AP exam - \$100, Cost for IB exam - \$119

We must have sufficient enrollment in each elective in order for the class to be offered.

3121A CONCEPTS OF ENVIRONMENTAL SCIENCE AUX **UC Approved, NCAA Approved**

This course introduces students to environmental concepts and issues from an interdisciplinary approach, but at a differentiated pace. Students will gain an understanding of the scientific method and techniques needed to understand and analyze environmental issues such as ecology, human population growth, soils and agriculture, deforestation, urbanization, air pollution, freshwater resources, ocean pollution, climate change, fossil fuels, alternative energy sources, waste disposal, as well as environmental ethics and policy. This course is a survey of many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet. This course includes a variety of labs and in class projects to facilitate learning.

Length of Course: Year

Open to Grade: 9

Note: This class is available to students enrolled in the ASP Program. Concurrent enrollment in Algebra 1 (2109A).

3120A CONCEPTS OF ENVIRONMENTAL SCIENCE **UC Approved, NCAA Approved**

This course introduces students to environmental concepts and issues from an interdisciplinary approach. Students will gain an understanding of the scientific method and techniques needed to understand and analyze environmental issues such as ecology, human population growth, soils and agriculture, deforestation, urbanization, air pollution, freshwater resources, ocean pollution, climate change, fossil fuels, alternative energy sources, waste disposal, as well as environmental ethics and policy. This course is a survey of many environmental science topics at an introductory level, ultimately considering the sustainability of human activities on the planet. This course includes a variety of labs and at home projects to facilitate learning.

Length of Course: Year

Open to Grade: 9

Note: Concurrent enrollment in Algebra 1.

3221A BIOLOGY THE LIVING EARTH AUX **UC Approved, NCAA Approved**

Through the lens of the science and engineering practices and the cross-cutting practices identified in the California NGSS, students will study the fundamental biological concepts of ecosystems, genetics, evolution and cells to organisms. Standards of Earth and space science such as Earth's history and global climate change will also be included. Students will spend a minimum of 20% of classroom time engaged in hands-on laboratory investigations that support instruction.

Length of Course: Year

Open to Grade: 10

Prerequisite: This class is available to students enrolled in the ASP Program.

3220A BIOLOGY THE LIVING EARTH **UC Approved, NCAA Approved**

Through the lens of the science and engineering practices and the cross-cutting practices identified in the California NGSS, students will study the biological concepts of ecosystems, genetics, evolution and cells to organisms. Standards of Earth and space science such as Earth's history and global climate change will also be used to deepen student understanding of the concepts that are being learned. Students will spend a minimum of 20% of classroom time engaged in hands-on laboratory investigations that support instruction.

Length of Course: Year

Open to Grade: 9, 10

Prerequisite: HSPT Reading score of 450 or higher and combined HSPT Math and Quantitative of 900 or higher.

3220C BIOLOGY THE LIVING EARTH H **UC Approved, NCAA Approved**

Students investigate the same concepts presented in Biology: The Living Earth, however, the pace is accelerated and content is investigated in more depth, including performing calculations, graphing, and data analysis to further their understanding of the content. Student-centered activities will emphasize the process of inquiry and critical thinking. Students will apply their knowledge of course concepts to various real-world phenomena.

Length of Course: Year

Open to Grade: 9

†Prerequisites: Concurrent enrollment in Algebra I Honors, Algebra 2 or Algebra 2 Honors **AND** a Basic Skills Reading score on the HSPT at or above 565.

3200E AP BIOLOGY

(d) UC Approved, NCAA Approved

This course prepares students for the Advanced Placement Biology exam. Students who pass their AP Biology exam may be granted college credit or advancement. Credit criteria are determined by individual colleges. Course content includes Cell Biology, Genetics, Molecular Biology, Evolution, Ecology and Physiology. This course integrates science practices and laboratory experiences which employ college-level techniques.

Length of Course: Year

Open to Grades: 11,12

†Prerequisites: Completion of Biology and Chemistry or concurrent enrollment in Chemistry Honors

3200F BIOLOGY IB SL

(d) UC Approved, NCAA Approved

This one year course prepares students for the IB Exams (papers 1, 2 and 3). Students who pass their IB exams may be granted college credit or advancement. Credit criteria are determined by individual colleges. IB students are required to participate in the Group 4 Project and complete all Internal Assessment Assignments. Course content includes Cell Biology, Genetics, Molecular Biology, Evolution, Ecology and Physiology. This course integrates laboratory experiences which employ college level techniques.

Length of Course: Year **Open to Grades:** 11,12

†**Prerequisites:** Completion of Biology and Chemistry or concurrent enrollment in Chemistry Honors.

3201F BIOLOGY IB HL 1

(d) UC Approved, NCAA Approved

This course (first of two years) prepares students for the IB Exams (papers 1, 2 and 3) in their senior year. This class is designed to be a pre-university course for highly motivated secondary students who plan to major in science as an undergraduate in college. Students who pass their IB exams may be granted college credit or advancement. Credit criteria are determined by individual colleges. Course content includes Cell Biology, Genetics, Molecular Biology, Evolution, Ecology and Physiology. This course integrates laboratory experiences which employ college-level techniques.

Length of Course: Year **Open to Grade:** 11

†**Prerequisites:** Completion of Biology and Chemistry or concurrent enrollment in Chemistry Honors.

Note: A summer assignment is required

3202F BIOLOGY IB HL 2

(d) UC Approved, NCAA Approved

This senior level course completes a two year rigorous biology course that meets the requirements for the International Baccalaureate Programme. This class prepares students for the IB Exams (papers 1, 2 and 3) in their senior year. This class is designed to be a pre-university course for highly motivated secondary students who plan to major in science as an undergraduate in college. Students who pass their IB exams may be granted college credit or advancement. Credit criteria are determined by the individual colleges. Course content includes Cell Biology, Plant Science,, Molecular Biology, Neurobiology, Evolution, Ecology and Conservation, and Human Physiology. Students are required to participate in the G4 project their senior year. This course integrates laboratory experiences which employ college level techniques.

Length of Course: Year **Open to Grade:** 12

†**Prerequisites:** Completion of Biology HL 1 IB

3400A CHEMISTRY IN THE COMMUNITY

(d) UC Approved, NCAA Approved

Chemistry in the Community (ChemCom) is an alternative to traditional academic Chemistry. Students investigate and analyze community problems that have a chemistry component and use their knowledge of chemistry to suggest ways in which the problems can be solved or abated. ChemCom uses student-centered activities, societal problems and decision-making exercises to successfully introduce chemistry. Major topics include hydro chemistry, biochemistry, polymer chemistry and nuclear chemistry. Development of laboratory skills complements course work.

Length of Course: Year **Open to Grades:** 10, 11,12

3420A CHEMISTRY EARTH SYSTEMS

UC Approved, NCAA Approved

Through the lenses of the science and engineering practices and the crosscutting practices identified in the California NGSS, students will study the Chemistry concepts of atoms, elements, molecules, chemical reactions, bonding, and thermodynamics. Students will apply their knowledge of Chemistry by studying Earth's systems, Climate Change and Ocean Acidification. A minimum of 20% of class time will be spent engaging students in hands-on laboratory investigations that support instruction

Length of Course: Year **Open to Grades:** 10,11

†**Prerequisites:** Completion of Algebra 1 with an A or Algebra 2 and Biology.

3420C CHEMISTRY EARTH SYSTEMS H

UC Approved, NCAA Approved

Honors Chemistry in the Earth System is a college preparatory laboratory science class that will prepare students in grades 10-11 to be successful in college level lab science courses. The course integrates Next Generation Science Standards (NGSS) from Earth and space science into chemistry concepts from a phenomenon-based approach. It is aimed at building a solid foundation in chemistry, integrating a laboratory component and building student competency in science practices and cross cutting concepts. Student-centered activities will emphasize the process of inquiry and critical thinking. Students will apply their knowledge of course concepts to various real-world phenomena. Additionally, honors course students will engage with the content more deeply, including performing calculations, graphing and data analysis to further their understanding of the content.

Length of Course: Year **Open to Grades:** 10, 11

†**Prerequisites:** Completion of Algebra 1 Honors (A both semesters), Algebra 2. Completion of Biology

3411F CHEMISTRY IB SL

(d) UC Approved, NCAA Approved

This accelerated Chemistry course is designed to prepare the students to pass the Chemistry SL IB exam. (Individual colleges determine college credit criteria.) The IB curriculum will include the study of Inorganic Chemistry, Physical Chemistry, and Organic Chemistry. Laboratory work stresses the research techniques employed in college and industry. Participation in a G-4 Project is required of the Chemistry SL IB students.

Length of Course: Year **Open to Grades:** 11,12

†Prerequisites: Completion of Chemistry Honors with an A. Concurrent enrollment in a math class higher than Geometry.

3515A – PHYSICS OF THE UNIVERSE

UC Approved, NCAA Approved

This is an introductory course in the foundations of physics and the physical processes that govern everything in the Universe. The instructional segments of this course are based on the CA's Next Generation Science Standards. The laboratory work will provide students with sound laboratory techniques and engineering practices. Students will develop critical thinking and apply physics principles to solve real world problems in preparation for their college and career experiences.

Length of Course: Year **Open to Grades:** 11,12

Prerequisites: Completion of Chemistry, Algebra 2 and Geometry with no grade lower than a B in any class. Concurrent enrollment in Precalculus STEM or completion of Precalculus.

3508E AP PHYSICS 1

(d) UC Approved, NCAA Approved

AP Physics 1 is an algebra-based, introductory college-level physics course that explores topics of classical physics. Topics include kinematics, dynamics, Newton's Laws, circular motion, Universal Law of Gravitation, simple harmonic motion, linear momentum, work energy, conservation of energy, rotational motion, electric charge, electric force, circuits and mechanical waves. Through science practices and inquiry based learning, students will develop scientific critical thinking and reasoning skills.

Length of Course: Year **Open to Grades:** 11, 12

†Prerequisites: Concurrent enrollment in math class higher than Geometry H.

3510F PHYSICS IB HL 1

(d) UC Approved, NCAA Approved

Physics IB HL 1 is designed for the academically talented, highly motivated science student and will prepare them for further studies in IB Physics classes. The course places heavy emphasis on mathematical application and calculations. The main topics of study are Motion, Electricity, Work, Energy, Thermal Physics and Magnetism. Laboratory experiments are an integral part of this course.

Length of Course: Year **Open to Grade:** 11

†Prerequisites: Concurrent enrollment in Honors math course higher than Geometry Honors. Completion of Chemistry

3511F PHYSICS IB HL 2

(d) UC Approved, NCAA Approved

This course fulfills the International Baccalaureate requirement for Physics, and prepares the student to pass the Physics HL IB exam. The core topics include Fluids, Modern Physics, Measurement, Mechanics, Thermal Physics, Energy, Power, Waves, Electricity and Magnetism, and Atomic Physics with added topics in Optics, Relativity, and Astrophysics. Participation in a group experimental research project is also required. One-fourth of class time is devoted to lab work.

Length of Course: Year **Open to Grade:** 12

†Prerequisites: Completion of Physics IB HL 1

3512E AP PHYSICS C: MECHANICS

(d) UC Approved, NCAA Approved

This Calculus based physics course is designed for highly motivated students planning to specialize in physical science or engineering. Successfully passing the associated AP exam may lead to advanced placement in a calculus based college freshman physics sequence. AP Physics C: Mechanics should be taken concurrently with either AP Calculus AB or BC AP otherwise the student's advanced placement in Physics may be delayed or denied due to insufficient mathematical background. AP Calculus BC is the preferred choice to help assure advance placement in college. AP Physics C: Mechanics provides in depth instruction in the following six content areas: kinematics; Newton's Laws of Motion; work, energy and power; systems of particles and linear momentum; circular motion and rotation; and oscillations and gravitation. Laboratory experiments are an integral part of this course.

Length of Course: Year **Open to Grades:** 11,12

†Prerequisites: Concurrent enrollment in AP Calculus BC (preferred) or AP Calculus AB or completion of AP Calculus BC or completion of AP Calculus AB with no semester grade lower than A. Completion of Chemistry Honors.

3525F DESIGN & TECHNOLOGY IB SL

(g) UC Approved

This course aims to develop internationally minded people whose enhanced understanding of design and the technological world can facilitate our shared guardianship of the planet and create a better world. Inquiry and problem solving are at the heart of the subject. Design technology requires the use of the design cycle as a tool, which provides the methodology used to structure the inquiry and analysis of problems, the development of feasible solutions and the testing and evaluation of the solution. A solution can be defined as a model, prototype, product or system that students have developed independently.

Length of Course: Year **Open to Grades:** 11,12
Prerequisites: Completion of Algebra 2H and Geometry H with a B or better.

3600A ANATOMY AND PHYSIOLOGY

(d) UC Approved, NCAA Approved

Anatomy and Physiology is a course designed for juniors and seniors who desire an introduction to human anatomy and physiology. Students will learn about the structure and function of the systems of the human body by exploring organs at a molecular level and as a whole. Dissections and laboratory experiments are performed so students can get a better understanding of how the human body systems work hand in hand to keep homeostasis. Right of refusal to participate in dissections is not extended for this course.

Length of Course: Year **Open to Grades:** 11, 12
Prerequisites: Completion of Biology and Chemistry with no grade lower than a B or successful completion of Biology & Chemistry H.

3710A EARTH SCIENCE

(d) UC Approved, NCAA Approved

Earth Science is an elective physical science course that examines topics in geology, oceanography, astronomy, atmospheric science and earth history. Students continue to develop math and science skills through laboratory experiences. This course is designed to bring about a greater understanding of how the earth and oceans are in a constant state of change, how we are able to predict these changes and what role humans have in the changing atmosphere. This course is not designed for those who have completed Chemistry.

Length of Course: Year **Open to Grades:** 12
Prerequisites: Must have completed Chemistry in the Community.

3711A ENVIRONMENTAL SCIENCE

(d) UC Approved, NCAA Approved

This Life Science elective course is available to Junior and Senior students. The class explores the principles of ecology; population dynamics; natural resources and their management; major pollution problems; the role of governing bodies in the environmental

management and basic conservation practices. The class will include laboratory activities and independent research. Students will experience environmental science through current topics and hands-on activities.

Length of Course: Year **Open to Grades:** 10, 11, 12
Prerequisites: Successful Completion of Biology. Completion of Biology Aux with no grade lower than A.

3712F ENVIRONMENTAL SYSTEMS AND SOCIETIES IB SL

(d) UC Approved

This one year course prepares students for the IB Exams. (Individual colleges determine college credit criteria.) This course explores the structure and function of environmental systems as well as the cultural, economic, ethical, political, and social interactions of societies with the environment. Core content includes ecosystems and ecology, biodiversity and conservation, water and food production systems and societies, soil and terrestrial food production systems and societies, atmospheric systems and societies, climate change, and human systems and resource use. This course integrates laboratory experiments and field work with philosophical discussion. IB students are required to participate in the Group 4 Project and complete all Internal Assessment Assignments.

Length of Course: Year **Open to Grades:** 11, 12
†Prerequisites: Completion of Biology and Chemistry or concurrent enrollment in Chemistry Honors.

3712E AP ENVIRONMENTAL SCIENCE

(d) UC Approved, NCAA Approved

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big ideas: energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

Length of Course: Year **Open to Grades:** 11, 12
†Prerequisites: Completion of Biology and Chemistry or concurrent enrollment in Chemistry Honors

3720A OCEANOGRAPHY/MARINE BIOLOGY

(d) UC Approved, NCAA Approved

The Oceanography and Marine Biology course centers on the world of ocean related topics which include Physical, Chemical, Biological, and Geological Oceanography and Marine Animal Biology. It focuses in depth on the history of the seas, ocean chemistry, waves and tides, coastal features, and circulation patterns of atmosphere and water currents. It will emphasize human impacts such as global warming, pollution, ocean acidification, sea level rise, and overfishing. Additionally, students will learn about all animal groups ranging from sponges to whales and will gain a deeper understanding of their anatomy through numerous dissections. Current event assignments are regularly discussed. Integral parts of the course include field trips and research projects.

Length of Course: Year **Open to Grades:** 10, 11, 12

Prerequisites: Completion of Biology and Chemistry.

3733AS FORENSIC SCIENCE

(g) UC Approval Pending

This class will introduce students to the field of Forensic Science providing a general overview of the scientific practices involved in solving crimes. Students will participate in many qualitative hands-on labs and simulations that develop practical and theoretical aspects of Forensics while developing proficiency in multiple Science and Engineering Practices (SEP) and Crosscutting Concepts (CCC) detailed in the Next Generation Science Standards. This class will integrate previous science courses and demonstrate the relevance of science education for practical use.

Length of Course: Semester **Open to Grades:** 11, 12

Note: Paired with Intro to Forensic Psychology.

3740A SPORTS MEDICINE 1

(d) UC Approved

Sports medicine is an area of health that applies medical and scientific knowledge to prevent, recognize, manage, and rehabilitate injuries related to sports, recreational activity, or exercise. This course provides an opportunity to study sports medicine including but not limited to: sports medicine related careers, organizational and administrative considerations, prevention of athletic injuries, recognition, evaluation, immediate care of athletic injuries, rehabilitation skills, taping and wrapping techniques, first aid/CPR, emergency procedures, nutrition, sports psychology, human anatomy and physiology, therapeutic modalities, and therapeutic exercise. Multiple laboratory activities are included.

Length of Course: Year **Open to Grades:** 10, 11, 12

Prerequisites: Successful completion of Biology.

3750A SPORTS MEDICINE 2

(d) UC Approved

This course builds on the traditional disciplines of anatomy and physiology by focusing on alterations and adaptations in body systems during physical activity. Students will cover a range of topics including: The history of exercise physiology in the U.S.; reflexes; muscle physiology; cardio respiratory response to exercise; thermoregulation; and nutrition for athletic performance. Students explore these topics through several projects, labs, and a semester long investigation. Some labs will require physical activity.

Length of Course: Year

Open to Grades: 11, 12

Prerequisites: Completion of Sports Medicine 1.

8010AS HEALTH

This class prepares our students to make intelligent and effective decisions that promote physical, social, mental, and spiritual health. More than any other subject, health education has a direct and daily impact on our students' overall well-being. The science curriculum is based on the California State Health Standards which includes the following units of instruction: Mental Health & Spiritual Health, (Developing Self-Esteem, Decision Making Skills, Building Resilience, Coping with Stress, Understanding Mental Disorders/ Depression) Social Health, (Building Healthy Relationships, Building Communication Skills, Practicing Abstinence, Bullying Awareness & Prevention) Physical Health (Nutrition, Fitness & Exercise, Substance Abuse of Alcohol, Illegal Drugs, Prescription Drugs & Tobacco. The Prevention of Infectious Diseases including Sexually Transmitted Infections. Santa Margarita Students will receive CPR / First Aid Training and Certification). Health is a required course at Santa Margarita Catholic High School.

Length of Course: Semester **Open to Grades:** 9, 10, 11, 12

Note: Students enrolled in the MUN program must take this course prior to graduation.

SOCIAL STUDIES COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Academic	Health Seminar	World History	U.S. History	U.S. Government & Economics
Model United Nations	Cultural Geography MUN H	World History MUN H	U.S. History MUN H	U.S. Govt. MUN H Economics MUN H
AP Advanced Placement		AP World History: Modern AP European History	AP World History: Modern AP U.S. History	AP World History AP U.S. History AP Government AP Macroeconomics AP Microeconomics
International Baccalaureate (IB)			History IB HL 1	Global Politics IB SL History IB HL 2 Economics IB SL
Electives	Social Media Marketing	Social Media Marketing	Psychology Sociology Intro to Law Fundamentals of Business Accounting & Finance American Civil War World War II Social Media Marketing Intro to Forensic Psychology	Psychology Sociology Intro to Law Fundamentals of Business Accounting & Finance American Civil War World War II Social Media Marketing Intro to Forensic Psychology
Electives Honors		Modern & Contemporary Art Honors	Modern & Contemporary Art Honors	Modern & Contemporary Art Honors
Electives AP*		AP Art History	AP Psychology AP Art History	AP Psychology AP Art History
Electives IB*			Business Management IB HL 1	Business Management IB HL2

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and teacher recommendation or a “B” in previous Honors classes unless otherwise noted in the course description

** Students enrolled in AP/IB classes are required to take the corresponding exam.*

Cost for AP exam - \$100, Cost for IB exam - \$119

We must have sufficient enrollment in each elective in order for the class to be offered.

Don't Be Just Another Freshman!

Join SMCHS Model United Nations (MUN)



What is MUN?

MUN stands for Model United Nations. Students travel to other schools in Orange County, California, the US, and overseas to compete in academic competitions. These competitions are simulations of the United Nations and the students play the role of delegates representing countries from all over the world. These competitions are one to three days in length and are held on the weekends. The MUN program is integrated into the Social Studies curriculum for those students who are interested in this unique experience. Students must take Cultural Geography / Model United Nations their freshman year to be involved with the MUN program.



Why join?

- You are looking for challenging yet rewarding courses to take at SMCHS.
- You enjoy researching, debating, and public speaking.
- You enjoy meeting people from other schools, states, and countries.
- You want to take a course that looks good on college applications.
- You want a chance to develop your leadership skills and to be a student leader.
- You want to travel to places like Prague and London.
- You are interested in international affairs.

What's the commitment?

- Freshman Cultural Geography / Model United Nations is a yearlong course as opposed to the regular Cultural Geography class which is a semester long.
- **MUN students need to take Health class either during the summer or as an elective.**
- Students are required to attend four weekend conferences.
- MUN is a four-year program. While students are not required to be in the program all four years, you may not join unless you have taken Cultural Geography / MUN.
- There is a \$450 yearly program fee to participate in MUN.

Can you handle the challenge?

We hope so! If you have questions about Cultural Geography/Model United Nations please feel free to email the MUN director Mr. John Remmell: remmellj@smhs.org

Visit the website at: <http://www.smhs.org/mun>



8013A HEALTH SEMINAR

This year long course is required for all Freshmen. Students will study the interaction of people and environments, both physical and cultural. A variety of cultures will be studied, with students analyzing the origin and the nature of cultural relationships and traits. Each student will analyze one culture in-depth in a semester-long study utilizing library research techniques and culminating in a term paper and PowerPoint presentation.

This course will also teach lessons in collaboration with the counseling department, Campus Ministry and Educational Technology to cover such issues as Wellness, executive functions, study habits and common technological applications used by our students and teachers at SM. This course will fulfill the state Health curriculum requirement

Length of Course: Year

Open to Grade: 9

4110C CULTURAL GEOGRAPHY MUN HONORS

(g) UC Approved, NCAA Approved

This year-long course for academically talented Freshmen combines the study of physical and cultural environments with the hands-on work of representing nations at Model United Nations conferences. Here the student will develop an understanding of current world problems and the research, speaking, writing and thinking skills needed to represent a nation effectively in interscholastic competitions. Fund raising and participation fee are required to cover some of the costs of team travel and supplies for MUN courses. Students enrolled are required to remain in class for the entire year. The required Health course, which would normally be taken as a semester course Freshman year, must be completed in summer school prior to Freshman year or taken as an elective.

Length of Course: Year

Open to Grade: 9

Prerequisite: A minimum standard score of 550 on the HSPT Composite. Students will need to take Health before graduation

Note: Fund raising and a participation fee are required to cover some of the costs of team travel and supplies in MUN courses. Enrollment may be subject to approval

4220A WORLD HISTORY

(a) UC Approved, NCAA Approved

This course is required for all Sophomores. Topics covered include Ancient Greece, the Rise of Democratic Ideas, the Age of Exploration, the Age of Enlightenment, the French Revolution, the Industrial Revolution, the Rise of Imperialism, World War I, Totalitarianism in the Modern World, and World War II. Each unit will be examined in-depth utilizing a variety of source materials, with a special emphasis on geographic relationships, the Holocaust, and the development of the Cold War.

Length of Course: Year

Open to Grade: 10

4220C WORLD HISTORY MUN HONORS

(a) UC Approved, NCAA Approved

This class is for academically talented sophomores. Topics covered include Ancient Greece, the Rise of Democratic Ideas, the Age of Exploration, the Age of Enlightenment, the French Revolution, the Industrial Revolution, the Rise of Imperialism, World War I, Totalitarianism in the Modern World, and World War II. The writings of a Variety of historians are studied as well as original source materials. Interpretation of source material and analysis of historians' points of view will be emphasized.

Length of Course: Year

Open to Grade: 10

Prerequisites: Placement in World History MUN Honors is based on successful completion of the Freshman MUN course and teacher recommendation based on the following criteria: 1) Grades and behavior met expectations in Freshman/MUN class; 2) Attended MUN conferences as required.

Note: Fund raising and a participation fee are required to cover some of the costs of team travel and supplies in MUN courses. Enrollment may be subject to approval

4220E AP WORLD HISTORY: MODERN

(a) UC Approved, NCAA Approved

This college level World History course is designed to develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. This understanding is advanced through a combination of selective factual knowledge and appropriate analytical skills. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. The course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. Periodization, explicitly discussed, forms an organizing principle for dealing with change and continuity throughout the course. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of World History as a field of study.

Length of Course: Year

Open to Grades: 10,11,12

Prerequisites: An A in English 1 or a B+ in English 1 Honors and teacher/counselor recommendation. Juniors and Seniors may take this course as an elective provided that they received A's in prior History courses.

4300E AP EUROPEAN HISTORY

(a) UC Approved, NCAA Approved

This college level course in European History is designed to prepare students for the AP examination. The chronological scope of the course ranges from the Renaissance - approximately 1450 to the present, recent past. The course will cover a variety of political, cultural, economic and social themes in the history of modern Europe. Students will develop their ability to analyze different types of historical evidence including visual and statistical materials and evaluate key historiographical questions.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisites: An A in English 1 or a B+ in English 1 Honors and teacher/counselor recommendation. Juniors and Seniors may take this course as an elective provided that they received A's in prior History courses.

4400A UNITED STATES HISTORY

(a) UC Approved, NCAA Approved

Following review units on the nation's beginnings and Civil War period, this course leads the student to interpret twentieth-century America. Both external and internal relationships are studied in depth, including early efforts to become a world power, the two World Wars, the Cold War and more recent conflicts as well as the Progressive Movement, Great Depression, economic growth and the Civil Rights Movement. Students will use a variety of sources to gain an understanding of significant concepts and develop the following skills: critical thinking, group interaction, oral and written communication.

Length of Course: Year **Open to Grade:** 11

4400C UNITED STATES HISTORY MUN HONORS

(a) UC Approved, NCAA Approved

This class is for academically talented, Juniors. Following review units on the nation's beginnings and on the Civil War period, this course interprets the historical survey of the United States. Both external and internal relationships are studied in-depth from Reconstruction to the 1980s.

Length of Course: Year **Open to Grades:** 11

Prerequisite: Placement in United States History MUN Honors is based on successful completion of the Sophomore MUN course and teacher recommendation based on 1) grades and behavior met expectations in Sophomore MUN class and 2) attended MUN conferences as required.

Note: Fund raising and a participation fee are required to cover some of the costs of team travel and supplies in MUN courses

4400E AP UNITED STATES HISTORY

4410F HISTORY IB HL 1

(a) UC Approved, NCAA Approved

This is a college level survey course in United States History designed for the academically accelerated student. This course also fulfills the first year requirement of History HL IB. Topics from Pre-Columbian America to the first decade of the 21st century will be covered. In addition to the course text, the student will be required to read and interpret the writings of historians and historical documents. Emphasis will be placed on further developing the student's critical thinking skills. A student will be required to organize and analyze historical information and data. Additionally, each student will be called upon to demonstrate the accomplishment of that objective through the writing of interpretive and analytical essays. Seniors may enroll in the United States History AP course as an elective provided that they received an A in academic United States History.

Length of Course: Year **Open to Grades:** 11, 12

†Prerequisites: An A in World History or B in AP World History or AP European History and teacher/counselor recommendation. For HL 1, acceptance into the IB Program, either full diploma or courses.

4411F HISTORY IB HL 2

(a) UC Approved

This course fulfills the second year of Higher Level History IB. Topics for this course are determined by the IB curriculum and include causes, practices and effects of war, the rise and rule of single party states, the Cold War and other topics of critical significance to the major events in the 20th century. In addition to the course texts, the student will be required to read and interpret the writings of historians and historical documents. Some of the objectives of this course will enable the student to present clear, concise, well substantiated arguments as well as to evaluate, interpret and use source material critically, evaluate different approaches to, and interpretations of, historical events and topics. Finally, the student will be able to explain the causes and effects of historical continuity and change. A major research project (Internal Assessment) will be undertaken and completed by February.

Length of Course: Year **Open to Grades:** 12

†Prerequisites: Completion of AP US History/History HL 1 and teacher/counselor recommendation. Acceptance into the IB Program, either full diploma or courses.

4500AS UNITED STATES GOVERNMENT

(a) UC Approved, NCAA Approved

This is a semester long college preparatory course required of all Seniors. Students will examine the principles on which this nation's government is based, as well as the structures of that government. Careful study of the rights and responsibilities of American citizens, as we have come to understand them over two centuries of development, will be included. Systematic study of current issues in government, and politics in our society, will be a regular part of the course.

Length of Course: Semester

Open to Grade: 12

4500MS UNITED STATES GOVERNMENT MUN HONORS

(a) UC Approved, NCAA Approved

This is a semester long college preparatory course for academically talented Seniors. Students will examine the principles on which this nation's government is based, as well as the structures of that government. Careful study of the rights and responsibilities of American citizens, as we have come to understand them over two centuries of development, will be included. Systematic study of current issues in government, and politics in our society, will be a regular part of the course. As part of the course, students are required to participate in MUN conferences and activities.

Length of Course: Semester

Open to Grade: 12

Prerequisite: Placement in United States Government MUN Honors is based on successful completion of the Junior MUN course and teacher recommendation based on 1) grades and behavior met expectations in Junior MUN class and 2) attended MUN conferences as required.

Note: Fund raising and a participation fee are required to cover some of the costs of team travel and supplies in MUN courses

4510E AP UNITED STATES GOVERNMENT & POLITICS

(a) UC Approved, NCAA Approved

AP Government and Politics US is designed to prepare students for the AP exam in United States Government and Politics. This is a university level course which will address basic concepts used to analyze the American political environment. The course will familiarize students with the philosophical, cultural, and ideological beliefs of different groups within the US political system. Students will also learn how to interpret political, demographic, and economic graphs, tables and data to better prepare them for the AP exam. In addition to these fundamental ideas, the students will endeavor to apply these principles to the real world through critical writings on current political affairs.

Length of Course: Year

Open to Grade: 12

†Prerequisites: Completion of AP US History or US History.

4600AS ECONOMICS

(g) UC Approved, NCAA Approved

This is a semester long college preparatory course required of all Seniors. Students will study microeconomics, macroeconomics, and international economic relationships. The course will equip the student with both the vocabulary and the technical knowledge needed for an understanding of economic issues, both in the media and at the collegiate level of study. The course will also provide the student with information and analytical tools useful in developing a personal system of values in regard to economic issues.

Length of Course: Semester

Open to Grade: 12

4600MS ECONOMICS MUN HONORS

(g) UC Approved, NCAA Approved

This is a semester long college preparatory course for academically talented Seniors. Students will study microeconomics, macroeconomics, and international economic relationships. The course will equip the student with both the vocabulary and the technical knowledge needed for an understanding of economic issues, both in the media and at the collegiate level of study. The course will also provide the student with information and analytical tools useful in developing a personal system of values in regard to economic issues. As part of the course, students are required to participate in MUN conferences and activities.

Length of Course: Semester

Open to Grade: 12

Prerequisite: Placement in Economics MUN Honors is based on successful completion of the Junior MUN course and teacher recommendation based on 1) grades and behavior met expectations in Junior MUN class and 2) attended MUN conferences as required.

Note: Fund raising and a participation fee are required to cover some of the costs of team travel and supplies in MUN courses

4600ES AP MACROECONOMICS

(g) UC Approved, NCAA Approved

This college level course will prepare the student to take the AP Macroeconomics examination, offered in the month of May. The students will be introduced to the basic elements of economics and study market theory. Students will study the topics of national economic performance, the analysis of the national income and the price determination and many other macroeconomic models. The students will investigate international economics so that the students will have an awareness of the internationalism of economics and be able to have a better understanding of the global economy.

Length of Course: Semester

Open to Grade: 12

†Prerequisite: An A in US History (or B in AP US History) and teacher/counselor recommendation. Must take with AP Microeconomics.

Note: Students are required to take one or both AP exams. This class also fulfills our Government/Econ requirement.

4610ES AP MICROECONOMICS

(g) UC Approved, NCAA Approved

The purpose of the course is to give students a thorough understanding of the principles of the economics that apply to economic systems as a whole. AP Macroeconomics emphasizes the study of national income, economic performance measures, economic growth and international economics. Students will learn to think like economists: to question, to evaluate marginal costs and marginal benefits, and to explore the many ways in which one action causes secondary actions. AP Microeconomics will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. The course places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. Taking this course will prepare students to take both the AP Macroeconomics and AP Microeconomics exam

Length of Course: Semester **Open to Grade:** 12

†Prerequisite: An A in US History (or B in AP US History) and teacher/counselor recommendation. Must take with AP Microeconomics

. Must take with AP Macroeconomics

Note: Students are required to take one or both AP exams. This class also fulfills our Government/Econ requirement.

4600F ECONOMICS IB SL

(g) UC Approved, NCAA Approved

This college level course will prepare the student to take the International Baccalaureate examination for Economics at the Standard Level (SL) and the AP Macroeconomics examination, both offered in the month of May. The students will first be introduced to the basic elements of economics. The students will then study microeconomics, including the study of market theory. The students will then study macroeconomics, including the study of national economic performance, the analysis of national income and price determination and many other macroeconomic models. Lastly, the students will investigate international economics and developmental economics so that the students will have an awareness of the internationalism of economics and be able to have a better understanding of the global economy.

Length of Course: Year **Open to Grade:** 12

†Prerequisite: Completion of AP US History or US History.

Note: This class also fulfills our Government/Econ requirement.

4800AS PSYCHOLOGY

(g) UC Approved, NCAA Approved

This course is a semester long elective at the Junior and Senior levels. Students will study approaches to psychology, the life span, workings of mind and body, learning and cognitive

processes, personality and individuality, adjustment and breakdown, social psychology and positive psychology. Both practical and philosophical evidence will be examined during the study of various schools of thought. This semester course must be taken in conjunction with the semester course Sociology.

Length of Course: Semester

Open to Grades: 10, 11, 12

4800E AP PSYCHOLOGY

(g) UC Approved, NCAA Approved

Psychology is the systematic study of behavior and mental processes. Psychology has its roots in both the natural and social sciences, leading to a variety of research designs and applications, and providing a unique approach to understanding modern society.

Length of Course: Year

Open to Grades: 11,12

†Prerequisite: A- or better in English and A- or better in History.

Students should also be comfortable with Biology. Teacher and Counselor recommendations.

4820AS SOCIOLOGY

(g) UC Approved, NCAA Approved

This course is a semester long elective course at the Junior and Senior levels. The five main focuses will be on sociological perspectives, culture and social structures, social inequality, social institutions and social change. Students will study how groups and individuals relate to one another in our society. This semester course must be taken in conjunction with the semester course Psychology.

Length of Course: Semester

Open to Grades: 10, 11, 12

4910AS INTRODUCTION TO LAW

(g) UC Approved, NCAA Approved

Introduction to Law is a semester long course offered to juniors and seniors designed to introduce students to the American legal system. Students will be introduced to a basic legal vocabulary, criminal and civil processes, and the concept of justice. Students will study the State and Federal court systems and examine the rights of the individual, balancing collective rights with social responsibility. Students will also analyze cases that have contemporary significance and understand the dynamics and impact of the law. An understanding of the roles that law, lawyers, law enforcement officers, and the legal system play in our society will be introduced. This semester course must be taken in conjunction with the semester course Fundamentals of Business Ownership.

Length of Course: Semester

Open to Grades: 11,12

Note: Paired with Fundamentals of Business Ownership

4920AS FUNDAMENTALS OF BUSINESS OWNERSHIP

(g) UC Approved

Fundamentals of Business Ownership is a semester long course offered to Juniors and Seniors and is designed to address the needs of students who plan to major in Business Administration at the college level and/or intend to pursue business interests. It is a comprehensive course that emphasizes the basic fundamental operations of small and large businesses. Concepts, terms, economic relationships to business operations, key elements involved in owning and operating a business, marketing and business plans, legal requirements, and human resources will be emphasized. The students will have the opportunity to create a business plan for their own business. This semester course must be taken in conjunction with the semester course Introduction to Law.

Length of Course: Semester **Open to Grades:** 11,12

Note: Paired with Introduction to Law

4922A ACCOUNTING AND FINANCE

(g) UC Approved

Accounting and Finance is a full year course offered to primarily junior and seniors who might be considering majoring in business in college and/or interested in pursuing business interests. It is also designed to help young adults with the personal financial issues they might be facing after high school. Basic financial themes will be explored with an introduction to elementary accounting concepts to help students understand financial statements and decisions. The course will employ real world examples, simplified case studies, and a discussion and analysis approach. Also included will be activities and conversations on business ethics and current events related to the course.

Length of Course: Year **Open to Grades:** 11,12

4925F BUSINESS MANAGEMENT IB HL1

4926F BUSINESS MANAGEMENT IB HL2

(g) UC Approved

The Business and Management HL course is a rigorous and dynamic course that explores how business decision-making processes impact on internal and external environments. In turn, it will explore how decision-making processes themselves are affected by internal and external environments. The course covers: business organization and environment, human resources, accounting and finance, marketing, operations management, and business strategy. Students will develop a stronger understanding of business theory, as well as the ability to apply business principles, practices and skills, encounter a wider range of international contexts in business, become experienced in a wide range of technical and social tools, and develop 21st century skills like time management, communication and digital literacy which are much in demand by employers

Length of Course: 2 Years

Open to Grades: 11, 12

†**Prerequisites:** An A in World History (or a B in AP World History or AP European History) and an A in English 2 (or a B in English 2H) and teacher/counselor recommendation. Acceptance into the IB Program, either full diploma or certificate courses.

Note: This course fulfills our Government/Econ requirement.

4927F GLOBAL POLITICS IB SL

(g) UC Approved

This course explores fundamental political concepts such as power, equality, sustainability and peace in a range of contexts. It allows students to develop an understanding of the local, national, international and global dimensions of political activity and processes, as well as to explore political issues affecting their own lives. The course helps students to understand abstract political concepts by grounding them in real-world examples and case studies. It also invites comparison between such examples and case studies to ensure a wider and transnational perspective.

Length of Course: Year

Open to Grade: 12

†**Prerequisites:** Completion of AP US History or US History.

Note: This course fulfills our Government/Econ requirement.

4932AS AMERICA'S CIVIL WAR: PRESERVE THE UNION

(g) UC Approved, NCAA Approved

This one semester course is offered to juniors and seniors who are interested in exploring the historical events that surrounded America's Civil War. This survey of the nation's most tragic conflict will focus on the events and ideas that led to the division of the Union, the battles, key actors, and the results of this war. Students will use historical narratives, diaries, and documentaries to complete a research project on a class related topic of their choice. This course must be taken in conjunction with the semester course World War II: American Involvement.

Length of Course: Semester

Open to Grades: 11,12

Note: Paired with World War II: American Involvement

4930AS WORLD WAR II: AMERICAN INVOLVEMENT

(g) UC Approved, NCAA Approved

World War II: American Involvement is a one-semester course open to students in eleventh and twelfth grade who have an interest in examining, in more depth, the most influential event of the 20th Century. The course will focus on the involvement of the United States from the home front to major battles involving American troops. Students will learn from a variety of primary and secondary sources in order to better understand the impact of the war on individuals, nations, and international relations. This course must be taken in conjunction with the semester course America's Civil War: Preserve the Union

Length of Course: Semester

Open to Grades: 11,12

Note: Paired with America's Civil War: Preserve the Union

7520E AP ART HISTORY

(f) UC Approved

Surveying nearly twenty-five thousand years of the artistic tradition, from the ancient world to the twenty-first century, AP Art History is a rigorous and rewarding college-level course. Adopting an interdisciplinary approach, art history will be presented as a synthesis of visual art and history, emphasizing not only formal aesthetic qualities of a work of art but also its historical context. Painting, drawing, sculpture, architecture, and photography of both the Western and non-Western canons will be explored in terms of style, meaning, and socioeconomic context with special attention to gender, function, and patronage. Practicing visual analysis through “directed looking,” students will be introduced to the basic methodology and vocabulary of art historians while gaining an understanding and appreciation of the visual arts. AP Art History course is designed to prepare students for the AP exam in May.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: Teacher and counselor recommendation

7530C MODERN & CONTEMPORARY ART HONORS

(f) UC Approved

A detailed examination of the art of the Western Canon, focusing on the modern era (1848 to the present) with special emphasis on themes of modernity, modernism, and the avant-garde. Adopting an interdisciplinary approach, Modern and Contemporary Art Honors will be presented as a synthesis of visual art and history, emphasizing not only formal aesthetic qualities of a work of art but also its historical context. Painting, drawing, sculpture, architecture, and photography along with pop culture, the dramatic arts and design will be explored in terms of style, meaning, and socioeconomic context with special attention to gender, function, and patronage as well as philosophical/aesthetic issues of taste, technology, and authenticity. Practicing visual analysis through “directed looking,” students will employ the basic methodology and vocabulary of art historians while gaining an understanding and appreciation of modern art, popular culture, and cultural literacy.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: Teacher and Counselor recommendation

7533A SOCIAL MEDIA MARKETING

(g) UC Approved

Twitter, Instagram, YouTube, Facebook, TikTok, and LinkedIn have become an extensive part of our daily lives. These social media channels provide remarkable pathways to interact with friends and loved ones, but they can also become powerful and dynamic marketing tools. Learn how to utilize some of your favorite and entertaining pastimes to promote yourself or your business to increase likes, views, and subscribers, while maintaining an ethical and responsible code of conduct that will protect you and your brand's reputation.

Length of Course: Year

Open to Grades: 9,10,11,12

4933A INTRO TO FORENSIC PSYCHOLOGY

(g) UC Approval Pending

This semester long introductory course explores the differing, yet varied facets of the field of forensic psychology and will cover landmark legal cases relevant to the field of forensic psychology, potential careers in forensic psychology, police psychology, expert testimony, legal consultation, forensic assessment in the justice system, psychological profiling, ethics, correctional psychology, and issues in working in the juvenile justice system. Careers in forensics are noted to have a 27% increase between 2014 and 2024 per the Bureau of Labor Statistics and it is being added as a major at many universities due to an increased demand for professionals trained in the field.

Length of Course: Year

Open to Grades: 11,12

Prerequisites: Teacher recommendation from current Social Studies teacher. Introduction to Psychology or A.P. Psychology are recommended but not required.

Note: This course may present material triggering to some students.

Note: Paired with Forensic Science

WORLD LANGUAGE COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Auxiliary Spanish	Spanish 1AUX	Spanish 2AUX		
Academic Spanish	Spanish 1	Spanish 2	Spanish 3	Spanish 4
Honors Spanish	Spanish 1H	Spanish 2H [†]	Spanish 3H Spanish IB SL Spanish IB HL 1	Spanish IB SL AP Spanish Language Spanish IB HL 2
Academic French	French 1	French 2 [†]	French 3	French 4
Honors French	French 1 H	French 2 H	French 3H French IB HL 1	French 5H AP French French IB SL French IB HL 2
Honors Mandarin Chinese	Mandarin Chinese 1H	Mandarin Chinese 2H	AP Chinese Language Mandarin Chinese 3H Mandarin Chinese IB HL 1	AP Chinese Language Mandarin Chinese IB SL Mandarin Chinese IB HL 2
Honors Classical Greek	Ancient Greek 1H	Ancient Greek 2H	Ancient Greek 3H Classical Greek IB SL	
Honors Latin	Latin 1H	Latin 2H	Latin 3H Latin IB HL 1	Latin IB SL Latin IB HL 2
American Sign Language	Sign Language 1	Sign Language 2	Sign Language 3	Sign Language 4

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and teacher recommendation or a “B” in previous Honors classes unless otherwise noted in the course description

**** Students enrolled in AP/IB classes are required to take the corresponding exam.***

Cost for AP exam - \$100, Cost for IB exam - \$119

1. Students may enter Spanish 2H from Academic Spanish 1 if they meet grade requirements and complete a Bridge program and test.
2. Students may enter French 2H from Academic French 1 if they meet the grade requirements and complete an exam at the end of French

5111A SPANISH 1 AUX

(e) UC Approved

Spanish 1A introduces the student to the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

Note: Spanish 1AUX is designed to accommodate students enrolled in ASP.

5110A SPANISH 1

(e) UC Approved, NCAA Approved

Spanish 1 introduces the student to the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

5110C SPANISH 1 HONORS

(e) UC Approved, NCAA Approved

Spanish 1H introduces the student to the Spanish language and Hispanic cultures at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. The course is designed for students who have studied Spanish in junior high.

Length of Course: Year

Prerequisites: Dependent on score on the SMCHS Spanish placement exam.

5123A SPANISH 2 AUX

(e) UC Approved

Spanish 2 AUX strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

Prerequisites: Completion of Spanish 1 or 1 AUX with a C or better both semesters. Not open to Freshman.

Note: Spanish 2A is designed to accommodate students enrolled in ASP.

5122A SPANISH 2

(e) UC Approved, NCAA Approved

Spanish 2 strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

5122C SPANISH 2 HONORS

(e) UC Approved, NCAA Approved

Spanish 2H strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. The course is designed as a continuation of Spanish 1H or for students who have studied Spanish extensively in junior high.

Length of Course: Year

†Prerequisites: There are three separate paths into Spanish 2H. First, completion of Spanish 1H. Second, completion of Spanish 1 **and** teacher recommendation; these students must pass an exam at the end of Spanish 1. Third, a student may be placed in 2H as a freshman, depending on their performance on the Spanish placement exam.

5131A SPANISH 3

(e) UC Approved, NCAA Approved

Spanish 3 strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

Prerequisites: Completion of Spanish 2

5131C SPANISH 3 HONORS

(e) UC Approved, NCAA Approved

Spanish 3H strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. This course is conducted in Spanish only.

Length of Course: Year

†Prerequisites: Completion of Spanish 2H

5141A SPANISH 4

(e) UC Approved, NCAA Approved

Spanish 4 strengthens and expands the student's knowledge of the Spanish language and Hispanic cultures. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. This course is conducted in Spanish only.

Length of Course: Year

Prerequisites: Completion of Spanish 3 with B or better both semesters.

5142F SPANISH IB SL
(e) UC Approved, NCAA Approved

Spanish SL IB prepares the student for the higher level IB examination in May. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing manner; 5. understand, analyze and respond to a range of texts. This course is conducted in Spanish only.

Length of Course: Year

†**Prerequisites:** Completion of Spanish 3H and teacher recommendation or completion of Spanish 3 and teacher recommendation.

5142E AP SPANISH LANGUAGE
(e) UC Approved, NCAA Approved

AP Spanish Language prepares the student for the AP examination in May. Students will: 1. understand Spanish spoken by native speakers in both informal and formal contexts; 2. develop an active vocabulary sufficient for reading in Spanish without dependence on a dictionary; 3. express themselves in Spanish, both orally and in writing, with reasonable fluency, adjusting for the particular audience and context. This course is conducted in Spanish only.

Length of Course: Year

†**Prerequisites:** Completion of Spanish 3H, SL IB, or HL 1 and teacher recommendation.

5151F SPANISH IB HL 1
(e) UC Approved, NCAA Approved

Spanish HL 1 IB prepares the student for the higher level IB examination at the end of the second year of study. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing manner; 5. understand, analyze and respond to a range of texts; 6. understand and use works of Spanish literature. This course is conducted in Spanish only.

Length of Course: Year

†**Prerequisites:** Completion of Spanish 3H and teacher recommendation.

5152F SPANISH IB HL 2
(e) UC Approved, NCAA Approved

Spanish HL 2 IB prepares the student for the higher level IB examination in May. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language

with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing manner; 5. understand, analyze and respond to a range of texts; 6. understand and use works of Spanish literature. This course is conducted in Spanish only.

Length of Course: Year

†**Prerequisites:** Completion of Spanish HL 1 IB and teacher recommendation.

5210A FRENCH 1
(e) UC Approved, NCAA Approved

French 1 introduces the student to the French language and culture. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

5210C FRENCH 1 HONORS
(e) UC Approved, NCAA Approved

French 1H introduces the student to the French language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

†**Prerequisites:** Placement in French 1 Honors is dependent upon the student's HSPT scores.

5220A FRENCH 2
(e) UC Approved, NCAA Approved

French 2 strengthens and expands the student's knowledge of the French language and culture. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

†**Prerequisites:** Completion of French 1

5220C FRENCH 2 HONORS
(e) UC Approved, NCAA Approved

French 2H strengthens and expands the student's knowledge of the French language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

†**Prerequisites:** Completion of French 1H

5230A FRENCH 3

(e) UC Approved, NCAA Approved

French 3 strengthens and expands the student's knowledge of the French language and culture. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

Prerequisites: Completion of French 2

5230C FRENCH 3 HONORS

(e) UC Approved, NCAA Approved

French 3H strengthens and expands the student's knowledge of the French language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. This course is conducted in French only.

Length of Course: Year

†Prerequisites: Completion of French 2H

5240A FRENCH 4

(e) UC Approved, NCAA Approved

French 4 strengthens and expands the student's knowledge of the French language and culture. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. This course is conducted in French only.

Length of Course: Year

Prerequisites: Completion of French 3.

5250C FRENCH 5 H

(e) UC Approved, NCAA Approved

This course is a continuation of French 3 Honors or French SL IB. It is designed to provide advanced students with the guidance to continue discovering, learning and using the language in meaningful, creative and engaging contexts. This course will enrich students' cultural awareness and global understanding.

Length of Course: Year

†Prerequisites: Completion of French 3 Honors with an A both semesters and teacher recommendation or French SL IB and teacher recommendation.

5241F FRENCH IB SL

(e) UC Approved, NCAA Approved

French SL IB prepares the student for the higher level IB examination in May. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing

manner; 5. understand, analyze and respond to a range of texts. This course is conducted in French only.

Length of Course: Year

†Prerequisites: Completion of French 3H and teacher recommendation.

5242F FRENCH IB HL 1

(e) UC Approved, NCAA Approved

French HL 1 IB prepares the student for the higher level IB examination at the end of the second year of study. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing manner; 5. understand, analyze and respond to a range of texts; 6. understand and use works of French literature. This course is conducted in French only.

Length of Course: Year

†Prerequisites: Completion of French 3H with an A or better both semesters and teacher recommendation.

5243F FRENCH IB HL 2

(e) UC Approved, NCAA Approved

This is the second year of French HL. This course is designed for students who have a high level of competence in speaking, listening, reading, and writing the language. It emphasizes the study of literature at a higher level and demands critical thinking. **This course is conducted in French only.**

Length of Course: Year

†Prerequisites: Completion of French HL1 IB and teacher recommendation.

5244E AP FRENCH

(e) UC Approved

The AP French Language and Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. To best facilitate the study of language and culture, the course is taught almost exclusively in French. The AP French Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions.).

Length of Course: Year

†Prerequisites: Completion of French 3H, French IB SL, of French IB HL1 and teacher recommendation.

5310C LATIN 1 HONORS

(e) UC Approved, NCAA Approved

Latin 1H introduces the student to the Latin language and Roman culture, history, and philosophy at an accelerated pace. The emphasis is on sight translation and reading comprehension.

Length of Course: Year

†Prerequisite: Placement in Latin 1 Honors is dependent upon student's HSPT scores.

5320C LATIN 2 HONORS

(e) UC Approved, NCAA Approved

Latin 2H strengthens and expands the student's knowledge of the Latin language and Roman culture, history, and philosophy at an accelerated pace. The emphasis is on sight translation and reading comprehension.

Length of Course: Year

†Prerequisites: Completion of Latin 1H

5330C LATIN 3 HONORS

(e) UC Approved, NCAA Approved

Latin 3H surveys various Latin poetry from the 1st century B.C. Students will focus on the material less as a language (mastery of fundamentals is assumed), and more as literature. Special attention will be paid to the various meters employed as well as the use of various stylistic and rhetorical approaches. Students will focus their study on the works of the authors Catullus (*Carmina*) Propertius (*Elegies*), Tibullus (*Elegies*), and Ovid (*Metamorphoses*).

Length of Course: Year

†Prerequisite: Completion of Latin 2H

5340F LATIN IB SL

(e) UC Approved, NCAA Approved

Latin SL IB prepares the student for the standard level IB examination in May. Students will focus their study on the works of the prescribed author Ovid (*Metamorphoses*). Students will also study the prescribed topics of Love Poetry and Vergil in the works of Catullus (*Carmina*), Propertius (*Elegies*), and Vergil (*Aeneid*).

Length of Course: Year

†Prerequisite: Completion of Latin 3H

5341F LATIN IB HL 1

(e) UC Approved, NCAA Approved

Latin HL 1 IB prepares the student for the higher level IB examination in the second year of study. Students will focus their study on the works of the prescribed author Ovid (*Metamorphoses*). Students will also study the prescribed topics

of Elegiac and Lyric Poetry and Roman Epic in the works of Catullus (*Carmina*), Propertius (*Elegies*), Tibullus (*Elegies*) and Vergil (*Aeneid* and *Georgics*).

Length of Course: Year

†Prerequisites: Completion of Latin 2H and teacher recommendation.

5342F LATIN IB HL 2

(e) UC Approved, NCAA Approved

Latin HL 2 IB prepares the student for the higher level IB examination in May. Students will focus their study on the works of the prescribed author Ovid (*Metamorphoses*). Students will also study the prescribed topics of Elegiac and Lyric Poetry and Roman Epic in the works of Catullus (*Carmina*), Propertius (*Elegies*), Tibullus (*Elegies*) and Vergil (*Aeneid* and *Georgics*).

Length of Course: Year

†Prerequisites: Completion of Latin IB HL 1

5410C ANCIENT GREEK 1 HONORS

(e) UC Approved, NCAA Approved

Ancient Greek 1H introduces the student to the Attic Greek language and Greek culture, history, and philosophy at an accelerated pace. The focus is on sight translation and reading comprehension.

Length of Course: Year

5420C ANCIENT GREEK 2 HONORS

(e) UC Approved, NCAA Approved

Ancient Greek 2H strengthens and expands the student's knowledge of the Attic Greek language and Greek culture, history, and philosophy at an accelerated pace. The focus is on sight translation and reading comprehension.

Length of Course: Year

†Prerequisite: Completion of Ancient Greek 1H

5430C ANCIENT GREEK 3 HONORS

5431F CLASSICAL GREEK IB SL

(e) UC Approved, NCAA Approved

Greek 3H/SL IB prepares the student for the standard level IB examination in May. Students will focus their study on the works of the prescribed author Xenophon (*Anabasis*). Students will also study the prescribed topics of Epic and Historiography in the works of Homer (*Iliad*) and Herodotus (*Histories*).

Length of Course: Year

†Prerequisites: Completion of Ancient Greek 2H and teacher recommendation.

5560C MANDARIN CHINESE 1 HONORS

(e) UC Approved, NCAA Approved

Chinese 1H introduces the student to the Chinese language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading. Students will learn pin yin (phonetic Chinese) and simplified characters.

Length of Course: Year

Prerequisite: Placement in Mandarin Chinese 1 Honors is dependent upon student's HSPT scores.

5561C MANDARIN CHINESE 2 HONORS

(e) UC Approved, NCAA Approved

Chinese 2H strengthens and expands the student's knowledge of the Chinese language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

†Prerequisite: Completion of Chinese 1H

5562C MANDARIN CHINESE 3 HONORS

(e) UC Approved, NCAA Approved

Chinese 3H strengthens and expands the student's knowledge of the Chinese language and culture at an accelerated pace. The emphasis is on language production, i.e. speaking and writing, and on language reception, i.e. listening and reading.

Length of Course: Year

†Prerequisite: Completion of Chinese 2H

5566F MANDARIN CHINESE IB SL

(e) UC Approved, NCAA Approved

Mandarin Chinese SL IB prepares the student for the higher level IB examination in May. Students will: 1. communicate clearly and effectively, demonstrating linguistic competence; 2. use language appropriate to a range of contexts; 3. understand and use language with accuracy and fluency; 4. organize ideas in a clear, coherent and convincing manner; 5. understand, analyze and respond to a range of texts. This course is conducted in Chinese only.

Length of Course: Year

†Prerequisite: Completion of Chinese 3H and teacher recommendation.

5569E AP CHINESE LANGUAGE & CULTURE

(e) UC Approved, NCAA Approval Pending

The AP Chinese Language and Culture course in Mandarin Chinese emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The AP Chinese Language and Culture course strives not to overemphasize grammatical accuracy at the expense of communication. To best facilitate the study of language and culture, the course is taught almost exclusively in Chinese. The AP Chinese Language and Culture course engages students in an exploration of culture in both contemporary and historical contexts. The course develops students' awareness and appreciation of cultural products (e.g., tools, books, music, laws, conventions, institutions); practices (patterns of social interactions within a culture); and perspectives (values, attitudes, and assumptions).

Length of Course: Year

†Prerequisite: Completion of Chinese 3H and teacher recommendation.

5610A AMERICAN SIGN LANGUAGE 1

(e) UC Approved, NCAA Approved

Students are introduced to the basic knowledge of American Sign Language (ASL) and the Deaf culture. Students develop basic skills in vocabulary and grammar to meet basic communication needs. Emphasis is placed on acquisition of both comprehension and expressive skills via signing in front of their class, with a partner, in a small group and in large group participation.

Length of Course: Year

5620A AMERICAN SIGN LANGUAGE 2

(e) UC Approved, NCAA Approved

ASL 2 students continue to develop vocabulary and grammar skills in order to meet communication needs. Deaf culture and community are further emphasized. Participation in real world communication is encouraged through opportunities such as ASL club and Deaf community events.

Length of Course: Year

Prerequisite: Completion of American Sign Language 1

5630A AMERICAN SIGN LANGUAGE 3

(e) UC Approved, NCAA Approved

ASL 3 students continue to improve their reception and production skills. This advanced level emphasizes Deaf culture, grammar, vocabulary and the ability to express abstract ideas and concepts. Students are required to sign narratives, prayers, songs and poetry.

Length of Course: Year

Prerequisite: Completion of American Sign Language 2 with a grade of "C" or higher.

5640A AMERICAN SIGN LANGUAGE 4

(e) UC Approved, NCAA Approved

ASL 4 students continue to build upon the topics and vocabulary and grammar introduced in ASL 1, 2, and 3. Students use complex grammatical attributes, share narratives and learn about Deaf culture. ASL interpreting is introduced and students will further develop conversational competence.

Length of Course:

Prerequisite: Completion of American Sign Language

PERFORMING ARTS COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
Instrumental Music	Classical Guitar Ens. 1 Steel Drum/Percussion Ens. Steel Drum/Percussion Ens. H Concert Band Wind Ens. H	Classical Guitar Ens. 1 Classical Guitar Ens. 2 Steel Drum/Percussion Ens Steel Drum/Percussion Ens H Concert Band Wind Ens. Honors	Classical Guitar Ens. 1 Classical Guitar Ens. 2 Steel Drum/Percussion Ens. Steel Drum/Percussion Ens. H Concert Band Wind Ens. Honors	Classical Guitar Ens. 1 Classical Guitar Ens. 2 Steel Drum/Percussion Ens Steel Drum/Percussion Ens H Concert Band Wind Ens. Honors
Music Theory		AP Music Theory	AP Music Theory Music Grp Performance IB SL Music IB HL 1	AP Music Theory Music Grp Performance IB SL Music IB HL 2
Orchestra	String Orchestra	String Orchestra String Orchestra Honors	String Orchestra String Orchestra Honors	String Orchestra String Orchestra Honors
Choir	Concert Choir Men's Choir Adv. Women's Chorus Honors	Concert Choir Men's Choir Adv. Women's Chorus Honors Chamber Singers Honors	Concert Choir Men's Choir Adv. Women's Chorus Honors Chamber Singers Honors	Concert Choir Men's Choir Adv. Women's Chorus Honors Chamber Singers Honors
Theatre Arts	Theatre Arts 1 Musical Theatre 1	Theatre Arts 1 Advanced Theatre Arts Honors Musical Theatre 1	Theatre Arts 1 Advanced Theatre Arts Honors Musical Theatre 1 Theatre IB SL Theatre IB HL1	Theatre Arts 1 Advanced Theatre Arts Honors Musical Theatre 1 Theatre IB SL Theatre IB HL2
Dance	Beginning Dance Intermediate Dance Advanced Dance (H) Dance Production (H)	Beginning Dance Intermediate Dance Advanced Dance (H) Dance Production (H)	Beginning Dance Intermediate Dance Advanced Dance (H) Dance Production (H) Dance IB HL 1	Beginning Dance Intermediate Dance Advanced Dance (H) Dance Production (H) Dance IB HL 2

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an "A" in previous academic classes and teacher recommendation or a "B" in previous Honors classes unless otherwise noted in the course description

** Students enrolled in AP/IB classes are required to take the corresponding exam.*

Cost for AP exam - \$100, Cost for IB exam - \$119

We must have sufficient enrollment in each class in order for that class to be offered.

7100A CONCERT BAND

(f) UC Approved

Concert Band is a beginning to intermediate level instrumental music class designed for students who wish to learn an instrument, want to continue their study of music and advance to Wind Ensemble. The course emphasizes the fundamental techniques involved in playing and performing on woodwinds, brass, and percussion instruments; sight reading, proper breath control, proper tone production, understanding of musical phrasing, proper care of musical instruments, basic music theory concepts and knowledge of understanding of musical symbols and terminology. The class includes performing, which provides an opportunity for the student to put into practice what he/she has learned in class.

Length of Course: Year **Open to Grades:** 9,10,11,12

7110C WIND ENSEMBLE HONORS

(f) UC Approved

Wind Ensemble Honors is an advanced instrumental ensemble class open to all students with prior musical experience on woodwind, brass, and/or percussion instruments. They will learn wind band repertoire ranging from advanced High School to University Level. Mandatory performances include, but not limited to, Fall Concert, Promotional Concerts, the Christmas Production (mandatory), Festivals, Spring Concert and the Pops Concert.

Length of Course: Year **Open to Grades:** 9,10,11,12

7122A STEEL DRUM/PERCUSSION ENSEMBLE

(f) UC Approved

This is an introductory instrumental ensemble class open to all students wishing to learn performance techniques on Trinidadian steel drum set, and other percussion instruments.. Students in this class will begin the year covering topics of basic music theory, rote learning, technical and reading studies, and progress into its performance application on steel drums, snare drum, marimba, drum set, auxiliary percussion, and hand drums. Repertoire includes standard music for steel band, percussion ensemble, wind ensemble/orchestra sectionals, and solos/etudes. Historical appreciation of the steel drum, respect to Trinidadian tradition, and aesthetic appreciation of cultural differences will be emphasized.

Performances may include but not limited to Fall/Spring Concerts (mandatory), Christmas Production (mandatory), Music Festivals, Open House, Mother's Club Fundraiser, and community performances. Students will also prepare a Fall Semester final exam jury where they will need to demonstrate proficiency Major/Chromatic scales and sight-reading. Students with a strong knowledge of reading musical notations, pitches and rhythm are encouraged to audition for the Honors class

Length of Course: Year **Open to Grades:** 9,10,11,12

7122C STEEL DRUM/PERCUSSION ENSEMBLE HONORS

(f) UC Approved

This is an advanced instrumental class open to students with prior musical training. Students will cover topics ranging from technical studies, music theory/history, rote learning, and musical expression through performance on Trinidadian steel drums, marimba, drum set, hand drums, and other percussion instruments.. Repertoire includes standard music for steel band, percussion ensemble, wind ensemble/orchestra sectionals, and solos/etudes. Historical appreciation of the steel drum, respect to Trinidadian tradition, and aesthetic appreciation of cultural differences will be emphasized. Performances may include, but not be limited to: Fall/Spring Concerts (mandatory), Christmas Production, music festivals, Open House, Mother's Club Fundraiser, and community performances on and off-campus. A fall semester-final exam jury demonstrating technical and musical proficiency on all major scales/chromatic/minor scales (by memory), and sight-reading will be required. A spring final project is also required, and can include one of a variety of topics, such as an original musical arrangement/composition, a solo performance, a research project, an original poster/program, or an original music video.

Length of Course: Year **Open to Grades:** 9,10,11,12
Prerequisites: 7122A and/or audition

7123A CLASSICAL GUITAR ENSEMBLE 1

(f) UC Approved

This is an ensemble class open to all students with previous ensemble music or music theory experience. Students in this class must have basic knowledge of music notation and rhythms as well as its application to the classical guitar. They will learn Ensemble Classical Guitar repertoire from the Renaissance period through the 21st Century music period. Performances may include but not limited to the Fall Concert, the Christmas Recital, and a Spring Concert. Materials for this class include: classical nylon string guitar, foot pedal, pencil, and Frederick Noad's Solo Guitar Playing Book 1. Due to heightened interest in this course, enrollment will be limited.

Length of Course: Year **Open to Grades:** 9,10,11,12

7124A CLASSICAL GUITAR ENSEMBLE 2

(f) UC Approval Pending

This is an ensemble class open to students with prior classical guitar experience. Students in this class must have strong knowledge and understanding of music notation, rhythms, dynamics, articulations as well as its application to the classical guitar. Students will prepare classical guitar ensemble repertoire from the Renaissance through the 21st century. Performances may include, but not limited to, the Fall Concert, SMCHS Christmas Production, Festivals and a Spring Concert. Materials for this course include: classical nylon string guitar, foot stool, pencil and Fredrick Noad's Solo Guitar Playing Book 1. Students will also prepare a Fall Semester final exam where they will be individually assessed on various performance based music criteria. Due to heightened interest in this course, enrollment will be limited.

Length of Course: Year **Open to Grades:** 10,11,12
Prerequisites: Audition and Classical Guitar Ensemble I

8080 MARCHING BAND

This is an 8th period performance class open to all students that meets after the regular academic day. Students who wish to be in Marching Band should also be enrolled in an ensemble class that meets during the regular day such as Concert Band, Wind Ensemble, and/or Steel Drum Ensemble. All Students enrolled in Color Guard are also required to participate in Marching Band.

Students are required to attend summer band camp. Students will also participate at Home Football Games, School Functions, and 5-6 Field Competitions starting in October through the 3rd week of November (Held on Saturdays).

Length of Course: Fall Semester **Open to Grades:** 9-12

Note: 5 PE credits fall semester only

Grading: Pass/Fail (P.E. Credit).

7129F MUSIC GROUP PERFORMANCE SL IB

(f) UC Approved

This advanced course must be taken in conjunction with Steel Drum Ensemble/Pit or Battery, Wind Ensemble, advanced level Orchestra, Handbells or advanced level Choir. Students will be expected to demonstrate the use of appropriate musical language and terminology to describe and reflect their critical understanding of music, to develop perceptual skills in response to music, and to know and understand music in relation to time and place. In addition, students must be able to demonstrate their performance skills through ensemble/group work. The two SL compulsory parts are Musical Perception and Analysis and a Group Performance, consisting of two or more public performances. The class meets 2 hours per week after school. Day and time are arranged by instructor and students.

Length of Course: Year **Open to Grades:** 11,12

Prerequisites: Concurrent enrollment in a school music performance group.

7130E AP MUSIC THEORY

(f) UC Approved

This college level advanced theory class is designed for students with at least two or more years of instrumental or vocal instruction or lessons. This course prepares students for the Advanced Placement exam by developing them in the areas of sight-reading, part-writing, aural dictation, and harmonic analysis. Students will also complete a final composition project. This course meets three times a week during period 8, specific days to be determined by the instructor

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisites: 2 or more years of instrumental/vocal classes or private lessons and teacher approval.

7131F MUSIC IB HL 1

(f) UC Approved

This advanced course develops an understanding of music theory and history. Study will include intervals, chord development, transposition, composition, analysis, ear training, an overview of music history and score analysis. External assessments of listening and musical investigation will constitute 50% of the grade and the internal assessment will be done by the teacher in the area of performance to fulfill the remaining 50% of the grade. This advanced course must be taken in conjunction with one of the following performance classes: Wind Ensemble, Steel Drum/Battery, Steel Drum Pit, Orchestra, Choir or Hand Bells. This class meets after school one day per week for 2 hours. Day and time are arranged by the instructor.

Length of Course: Year

Open to Grades: 11

Prerequisites: Concurrent enrollment in a performance group for a minimum of 2 years.

7132F MUSIC IB HL 2

(f) UC Approved

This course is designed for the specialist music student with a background in musical performance and/or composition, who may pursue music at the University or Conservatory level. This course is a continuation of Music HL 1 IB, with an emphasis on music history, composition and solo performance. Students explore time frames of music history. Topics covered include baroque music, classical music, 20th Century and score reading. Students who have completed the HL 2 course will be expected to demonstrate the development of their performance skills through solo music making, the development of their compositional skills through exploration and investigation of musical elements and the use of appropriate musical language and terminology to describe and reflect their critical understanding of music. Each of these areas will also have development of perceptual skills in response to music, and the knowledge and understanding of music in relations to time and place. The three HL compulsory parts include Musical Perception and Analysis, a Solo Performance recital with four contrasting compositions and actual composition and performance of three musical pieces. External assessments of listening and musical investigation will constitute 50% of the grade and the internal assessment will be done by the teacher in the area of solo recital or performance of compositional assignments to fulfill the remaining 50% of the grade. This advanced course must be taken in conjunction with one of the following performance classes: Wind Ensemble, Steel Drum/Battery, Steel Drum Pit, Orchestra, Choir or Hand Bells. This class meets after school one day per week for 2 hours. Day and time are arranged by the instructor.

Length of Course: Year

Open to Grade: 12

Prerequisites: Successful completion of Music HL 1 IB and concurrent enrollment in a performance group for a minimum of 3 years.

7143A STRING ORCHESTRA

(f) UC Approved

String Orchestra is an intermediate level performing instrumental class designed for students who wish to continue their study of music through the string instrument medium. This course requires prior experience. It includes a study of note reading; sight reading; basic theory concepts and knowledge of musical symbols and terminology. Also included is the study of tone production, posture, hand position, bowing techniques, as well as proper care, handling, and storage of musical instruments. In addition, the class provides performance opportunities to develop the performance skills acquired in class. Mandatory performances include, but not limited to, are the Fall Concert, Promotional Concerts, the Christmas Production (mandatory), Festivals, Spring Concert and the Pops Concert. Students will also prepare a Fall Semester final exam where they will be individually assessed on various performance-based music criteria.

Length of Course: Year **Open to Grades:** 9,10,11,12

7143C STRING ORCHESTRA HONORS

(f) UC Approved

String Orchestra Honors is an advanced level performing instrumental class designed for students who wish to continue their study of music through the String Orchestra medium. The ensemble is devoted to the preparation and performance of the richest and most varied traditional and contemporary music written for string orchestra. This ensemble is a listening-focused, process-oriented group that provides opportunities for students to gain interactive musical skills in various large ensemble settings. It also includes a continued study of theory concepts and knowledge of musical symbols and terminology. Also included is the study of tone production, posture, hand position and bowing techniques. In addition, the class is expected to present a 30-minute program introducing instruments and musical examples to feeder schools. . Mandatory performances include, but not limited to are the Fall Concert, Promotional Concerts, the Christmas Production (mandatory), Festivals, Spring Concert and the Pops Concert. Students will also prepare a Fall Semester final exam where they will be individually assessed on various performance based music criteria.

Length of Course: Year **Open to Grades:** 11,12
Prerequisites: Audition and Director's approval.

7158A CONCERT CHOIR

(f) UC Approved

This choral ensemble class is designed to introduce students to the art of choral singing. This is an entry level class designed for the student with little or no vocal music experience. Students will learn the fundamentals of singing technique; the basics of music theory and sight-singing and performing various pieces of music. Performance is an important component in this art; therefore, students are required to attend some performances outside of the regular school day. Participation in the annual SMCHS Christmas Production is mandatory. This class fulfills the Fine Arts requirement for graduation.

Length of Course: Year **Open to Grades:** 9,10,11,12

7160A MEN'S CHORUS

(f) UC Approved

This choral ensemble class is designed to introduce boys to the art of choral singing. Students will learn fundamentals of vocal technique, demonstrate it at performances, and develop comprehensive musicianship within the choral rehearsals through a sequenced study of music theory. Performance is an important component in this art. Therefore, students are required to attend school masses and some concerts outside of the regular school day. Participation in the annual SMCHS Christmas Production is mandatory. This class fulfills the Fine Arts requirement for graduation. Boys only.

Length of Course: Year **Open to Grades:** 9,10,11,12

7162C ADVANCED WOMEN'S CHORUS H

(f) UC Approved

Advanced Women's Chorus is an auditioned women's ensemble. Members of this ensemble must successfully complete an audition with the director. Students who are selected for this ensemble must have adequate knowledge in the fundamentals of music theory, and basic sight-singing, and perform challenging pieces of music. Students are asked to sight-sing or sing extended musical phrases individually. The repertoire for this class (which can include extended works) is varied and requires students to sing in foreign languages. Performance is an important component in this art; therefore, students are required to attend some performances outside of the regular school day. Participation in the annual SMCHS Christmas Production is mandatory. This class fulfills the Fine Arts requirement for graduation. **Girls only.**

Length of Course: Year **Open to Grades:** 9,10,11,12
Prerequisite: Successful completion of Concert Choir or audition and Director's approval.

7164C CHAMBER SINGERS H

(f) UC Approved

Chamber Singers is an auditioned mixed ensemble of men and women. Members of this ensemble must successfully complete an audition with the director. Students who are selected for this ensemble must have adequate knowledge in the fundamentals of music theory, and basic sight-singing skills. Students will learn advanced singing techniques, music theory and sight-singing, and perform challenging pieces of music. Students are asked to sight-sing or sing extended musical phrases individually. The repertoire for this class (which can include extended works) is varied and requires students to sing in foreign languages. Performance is an important component in this art; therefore, students are required to attend some performances outside of the regular school day. Participation in the annual SMCHS Christmas Production is mandatory. This class fulfills the Fine Art requirement for graduation.

Length of Course: Year **Open to Grades:** 10,11,12
Prerequisite: Audition and Director's approval.

7203A THEATRE ARTS 1

(f) UC Approved

Theatre Arts 1 is a foundational course designed for students who are interested in furthering their knowledge of drama. Students will study the basic elements of acting, design, and directing through research, rehearsal, and performance of monologues, scenes, improvisation, and ensemble projects. While emphasis will be contemporary theatre, the history of the theatre is included in this curriculum. Students will have the opportunity to study playwriting, dramatic critique, and technical aspects of Classical through current theatre practices. Attendance at Talon Theatre Fall and Spring Productions is mandatory. Participation in the annual SMCHS Christmas Production is encouraged.

Length of Course: Year

Open to Grades: 9,10,11,12

7206C ADVANCED THEATRE ARTS H

(f) UC Approved

Semester one is an intermediate level of acting. Semester two is advanced level of acting. This class is highly recommended for students who plan to go on to IB Theatre or who are interested in improving their acting skills. In the first semester, students develop their acting and character development techniques through scene, monologue and ensemble work. In the second semester, students explore Shakespearean acting and other classical styles and work together on either an original or published one act play. There are two field trips to professional productions. Attendance at Talon Theatre Fall and Spring Productions is Mandatory. Participation in Christmas Production is encouraged.

Length of Course: Year

Open to Grades: 10,11,12

Prerequisites: Theatre Arts 1, Musical Theatre or Teacher Recommendation.

7219F THEATRE IB SL

(f) UC Approved

Students interested in fulfilling the group six requirement of the IB program can opt to do so through this Theatre subject. Theatre IB SL is an honors level course designed for students to complete in one year. Students focus on theatre processes and develop skills, knowledge, and understanding through practical application in Directing, Creating, Collaborating, Designing, and Performing. Students will explore various acting techniques, world theatre traditions, and playtexts throughout the course. There are three IB assessment projects that must be completed by the end of the school year: The Director's Notebook for which a student selects an unfamiliar play and develops a directorial concept for a production; A World Theatre Research Presentation for which the student explores an unfamiliar theatre tradition and performs a solo presentation demonstrating the tradition; The Collaborative Project in which students take on a role within the production process such as playwright, designer, director or actor and creates an original piece of theatre.

Length of Course: Year

Open to Grades: 11,12

Note: There are two mandatory field trips to professional live theatre required. Fee for field trip to professional performance \$60.00

7212A MUSICAL THEATRE 1

(f) UC Approved

This course is an overview of how musical theatre has evolved as an art form from its earliest roots in European Operetta, Vaudeville, and the Jazz Age through the Golden Age of Musical Theatre to the present day. An understanding and appreciation of this theatrical genre will be fostered through the study of musicals such as *Showboat*, *Oklahoma*, *West Side Story*, *Sweeney Todd*, *Les Miserables*, *Wicked*, and *Next to Normal*. Students will be introduced to a range of musical theatre styles, composers, lyricists, and choreographers. Students will learn how this uniquely American art form has reflected changes in society through the years. Throughout the course, students will perform scenes and songs and work together to create an original musical revue. *No musical experience necessary.*

Length of Course: Year

Open to Grades: 9,10,11,12

7220F THEATRE IB HL 1

(f) UC Approved

Students interested in fulfilling the group six requirement of the IB program can opt to do so through this theatre subject. IB Theatre HL 1 is the first year of a two year course beginning in the student's junior year. In HL1 students do the preparatory work for the IB Assessments which they complete in their senior year. Students focus on theatre processes and develop skills, knowledge, and understanding through practical application in directing, Creating, Collaborating, Designing, and Performing. Students will explore various acting techniques, world theatre traditions, and playtexts throughout the course. Course work includes in depth exploration of various theatre practitioners and their processes, world theatre traditions, the directorial process, the role of the designer in theatre, and collaboration on an original theatre piece. IB Theatre Students are eligible to apply for Design positions for the fall and Christmas productions.

Length of Course: Year

Open to Grades: 11

Prerequisites: No prerequisite but previous theater background recommended

7221F THEATRE IB HL 2

(f) UC Approved

This course is a continuation of IB Theatre HL 1 and builds on the work done in throughout the previous year. Students are required to complete four IB Assessments by the end of the school year: The Director's Notebook for which a student selects an unfamiliar play and develops a directorial concept for a production; A World Theatre Research Presentation for which the student explores an unfamiliar theatre tradition and performs a solo presentation demonstrating the tradition; The Collaborative Project in which students take on a role within the production process such as playwright, designer, director, or actor and creates an original piece of theatre and a solo theatre piece using the techniques of a theatre practitioner. IB Theatre Students are eligible to apply for Design positions for the fall and Christmas productions.

Length of Course: Year

Open to Grades: 12

Prerequisite: Successful completion of Theatre HL 1 IB.

Note: Fee for field trip to professional performance \$60.00. There are two mandatory field trips to professional theatre

7300A BEGINNING DANCE

7300P BEGINNING DANCE

(f) UC Approved

Beginning Dance is designed to teach students the basic principles of jazz dance, while incorporating ballet and modern techniques. Students will learn proper techniques for warm-ups, exercises, stretches on the floor, and movement phrases executed across the floor. In addition students are taught compositional elements, dance terminology, dance history, and injury prevention. Performance is a component of this class; therefore, students are required to perform in the Spring Dance Concert. The level of difficulty increases during the Spring semester, thus preparing the student for Intermediate Dance. A dance uniform is required.

Length of Course: Year

Open to Grades: 9,10,11,12

Note: This course may be taken as a fine art credit only. Space is limited.

Note: Please refer to the P.E. Policy. This class may be repeated. Space is limited.

7301A INTERMEDIATE DANCE

7301P INTERMEDIATE DANCE (P.E. Credit)

(f) UC Approved

This course is open to all SMCHS students; however, student placement in this class is based on a successful audition that is determined by the Director of Dance. Intermediate Dance is a course designed to further student training in dance. Students will learn intermediate warm-ups, floor work, center work, and movement phrases executed across the floor. Students will learn more dance terminology and increase their dance skills. Members of the class will be introduced to group choreography and other concepts related to participation in the dance community. Performance is a component of this class; students are required to perform in the Spring Dance Concert. A dance uniform is required. This course may be taken for P.E. or Fine Art credit. This class may be repeated. Please refer to the P.E. policy.

Length of Course: Year

Open to Grades: 9,10,11,12

Prerequisites: Successful audition and teacher recommendation.

Note: In order to receive PE credit for Dance, you must take two years of intermediate and advanced dance. Space is limited.

7302C ADVANCED DANCE H

(f) UC Approved

This honors course is open to all SMCHS students. Student placement in this class is based on a successful audition that is determined by the Director of Dance. This course is designed for the highly technical and highly trained dancer. Students will learn warm-ups, and difficult movement phrases executed across the floor, and dance combinations at the advanced level. Dancers at this level should be mentally and emotionally disciplined, and in excellent physical condition. Students will learn that dance is a highly skilled art and should be practiced in a professional manner. Performance is an essential component of this class; students are required to perform in the Spring Dance Concert and the SMCHS Christmas

Production. Choreographic skills will be developed. This class may be repeated. Space is limited. A dance uniform is required.

Length of Course: Year

Open to Grades: 9,10,11,12

Prerequisites: Successful audition and teacher recommendation.

Note: In order to receive PE credit for Dance, you must take two years of intermediate and advanced dance. Space is limited.

7310C DANCE PRODUCTION H

(f) UC Approved

This honors course is open to all SMCHS students. Student placement in this class, based on a student's successful audition, is determined by the Director of Dance. Dance Production is a yearlong course designed to teach the advanced dance student how to be a better performer, and how to view dance (both live performances and via videos) from a critical perspective. Dance techniques of Ballet, Modern and Jazz will be incorporated and students are required to have a solid technical dance background in these areas. Participation in the annual SMCHS Christmas Production and the SMCHS Dance Concert are also required. In addition to on-campus performances, this class will represent SMCHS at competitive Dance Team competitions during the winter/early spring. The dates of these competitions will be arranged as far in advance as possible. Afternoon rehearsals occur three times per week; occasionally early morning and weekend rehearsals will be scheduled. All competitions and rehearsals are required. Participation in outside dance classes and one summer training camp (specified by the Director of Dance) is also required. This course may be taken for P.E. or Fine Art credit.

Length of Course: Year

Open to Grades: 9,10,11,12

Prerequisites: Advanced Dance background, Dean's recommendation, and successful audition.

7320F DANCE IB HL 1

(f) UC Approved

Dance HL 1 IB is a course designed to prepare the grade 11 dancer for the IB Dance exams their senior year. Students interested in fulfilling the subject six requirement of the IB program or interested in earning an IB certificate in Dance may opt to take IB Dance. Students participate in their level appropriate dance technique class, and with IB Dance further explore the elements of Composition, Performance Techniques, and World Dance Studies. Upon successful completion of this course, the student will have prepared and performed a solo dance composition and completed work on a second choreographic study. In addition, a World Dance area of study will be declared and an abstract of the research project submitted. Attendance for the IB component of the course is a mandatory 90 minute afternoon session per week.

Length of Course: Year

Open to Grade: 11

Prerequisites: Prior dance experience and SMCHS Dance Director permission.

7321F DANCE IB HL 2

(f) UC Approved

Dance HL 2 IB is a course designed to prepare the grade 12 dancer for the IB Dance exams. Students interested in fulfilling the subject six requirement of the IB program or interested in earning an IB certificate in Dance may opt to take IB Dance. Students participate in their level appropriate dance technique class, and with IB Dance further explore the elements of Composition, Performance Techniques, and World Dance Studies. Upon successful completion of this course, the student will have prepared a total of 3-4 choreographic studies; the third

and fourth being completed in HL 2, and a personal statement on the choreographic process completed. The performance component will be finalized and the dancer will prepare 2-3 works for performance, with one of these works a solo. A World Dance research paper of 2500 words will be submitted.

Length of Course: Year

Open to Grade: 12

Prerequisites: Prior dance experience, SMCHS Dance Director permission, and successful completion of Dance IB HL 1

VISUAL ARTS COURSE SEQUENCE

	Freshman	Sophomore	Junior	Senior
2D Studio Classes	Art Drawing*	Art Drawing Advanced Drawing (H*) Painting	Art Drawing Advanced Drawing (H*) Painting Advanced Painting (H*) Visual Arts IB HL 1	Art Drawing Advanced Drawing (H*) Painting Advanced Painting (H*) AP Drawing Visual Arts IB HL 2
Photography	Photography	Photography Advanced Photography	Photography Advanced Photography	Photography Advanced Photography
Graphic Design	Graphic Design	Graphic Design Advanced Graphic Design	Graphic Design Advanced Graphic Design	Graphic Design Advanced Graphic Design
3D Studio Classes	3D Sculpture & Design	3D Sculpture and Design Advanced 3D Sculpture and Design	3D Sculpture and Design Advanced 3D Sculpture and Design	3D Sculpture and Design Advanced 3D Sculpture and Design
Film Classes	Film as Art Film 1 Motion Graphics	Film as Art Film 1 Film 2 Motion Graphics	Film as Art Film 1 Film 2 Film IB HL 1 Screenwriting H Motion Graphics	Film as Art Film 1 Film 2 Film IB HL 2 Screenwriting H Motion Graphics

***Requires Portfolio Review**

† Prerequisites for Advancing in Honors: Honors, AP & IB classes require an “A” in previous academic classes and teacher recommendation or a “B” in previous Honors classes unless otherwise noted in the course description

** Students enrolled in AP/IB classes are required to take the corresponding exam.
Cost for AP exam - \$100, Cost for IB exam - \$119*

We must have sufficient enrollment in each class in order for that class to be offered

7401A ART **(f) UC Approved**

Art is a year-long course. The first semester is an introductory course in which the basic techniques are taught. During the second semester we will further develop the techniques taught in the first semester. This course is designed for the student that is serious about learning more about art, but no prior skills are necessary. Students will explore a variety of exercises and projects using a variety of materials throughout the semester. Students learn a process of art-making and will keep an on-going sketchbook in which they put preliminary drawings for their designs, class notes, self-evaluation, etc. Sketchbook is digitally maintained. It is expected that students will read about, write about, and speak about art. Art journals are read and responded to throughout the year. In the second semester the student reads about, writes about, speaks about, and evaluates art work, but on a more advanced level, and with a greater emphasis on developing personal style and understanding the elements and principles of design. A research project related to art is also completed.

Length of Course: Year **Open to Grades:** 9,10,11,12

7407A DRAWING **(f) UC Approved**

This is an intermediate drawing course that has a prerequisite of a satisfactory completion of Art or equivalent Middle School Art portfolio. Students will explore and refine their use of various drawing media through a variety of subject matters including still life, portraits, photorealism, landscapes, and illustrations. Each student will keep an ongoing digital sketchbook, participate in critiques, and research artists and style of art. Students will learn and apply the principles and elements of design to their works of art. Students will build upon their skills and move towards creating meaning in their work as the year progresses.

Length of Course: Year **Open to Grades:** 9,10,11,12
Prerequisite: Art or Satisfactory Portfolio Review.

7412C ADVANCED DRAWING H **(f) UC Approval Pending**

This is an advanced drawing course that has a prerequisite of a satisfactory completion of Drawing. The art student continues exploring art issues in drawing to a greater depth, and continues work in the areas of art criticism and art history, in addition to their advanced studio work. Students work more independently but closely with the art teacher. Students read art journals, art newspapers, attend art exhibits, maintain a sketchbook, and research artists and art movements as they apply to their own work. Students exhibit their work and create and update their portfolios.

Length of Course: Year **Open to Grades:** 10,11,12
Prerequisites: Drawing

7413E AP DRAWING **(f) UC Approved**

This course is designed to help the student build a portfolio for submission to the College Board for AP credit. With this in mind the course is twofold. First to continue to build on the "Breadth" work a student has continually been creating. This is important for the student to maintain a wide scope in which to work. The second goal is to find a "Concentration" that the art student wishes to pursue. The exploration in itself should be artistically motivating and should be the culmination of a student's search for visual creativity.

This yearlong course will allow the highly motivated student to create a serious portfolio of individual work that will ultimately be submitted for review and possible college credit. This course is designed for the self-motivated student who is actively pursuing growth in their Art skills or wishes to concentrate in Art during college and wants to look at Art as a profession and or to create social change through their art.

Length of Course: Year **Open to Grades:** 12
Prerequisite: Completion of Drawing and Painting.

7420A PAINTING **(f) UC Approved**

This is an intermediate painting course that covers watercolor, acrylic and mixed media techniques. The student learns the use and care of materials, experiments with color mixing, value and intensity. Each student spends time practicing various techniques and developing drawing skills in their process work. Projects include research into artists and art movements. Students participate in art critiques, write and speak about art. Opportunity for exhibition of artwork is given to students during Semester 2 at annual Spring Art Show.

Length of Course: Year **Open to Grades:** 10,11,12
Prerequisite: Completion of Art, Drawing or portfolio review.

7421C ADVANCED PAINTING H **(f) UC Approved**

This is an advanced painting honors course that requires a satisfactory completion of Painting. The student continues exploring painting media and issues but in more depth. There is an emphasis on integrating new techniques such as printmaking and mixed-media. Individual creative process and development of personal style and direction, independent thinking, and art philosophical inquiry relating to the individual works is emphasized. Each student researches artists and art styles as they apply to the direction of the assignments. Students participate in art as they apply to the direction of the assignments. Students participate in art critiques, write and speak about the art throughout the course. Opportunity for exhibition of artwork is given to students during Semester 2 at annual Spring Art Show.

Length of Course: Year **Open to Grades:** 11,12
Prerequisite: Art or Drawing and Painting

6213A GRAPHIC DESIGN

(f) UC Approved

This course is designed for students who are interested in the art, language, business and career concepts of and about 2-Dimensional design utilizing the computer and Adobe Photoshop software. Students will learn and apply the principles of design to manipulate images in a digital format and produce project based graphic art under production deadlines. Some of the design techniques include: fundamentals of color management, photo retouching, imaging, special effects, layers, filters and masks. Students must be highly motivated and able to work independently.

Length of Course: Year **Open to Grades:** 9,10,11,12

Note: Adobe Creative Cloud is supplied on student devices.

6214A ADVANCED GRAPHIC DESIGN

(f) UC Approved

This course is designed to give students a second year to dive deeper into the world of computer graphics. Students will further their understanding of the art, language, business and career concepts of and about 2-Dimensional and interactive design utilizing the computer and the software Adobe Photoshop, Adobe Illustrator and Adobe InDesign. Students will learn, build upon and apply the principles of design to manipulate images and create original artwork in a digital format and produce project based graphic art under production deadlines. Some of the design techniques include: Digital Illustration, Typography, Layout, and Interactive Media. Students must be highly motivated and able to work independently.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: Graphic Design

7440A 3-D SCULPTURE AND DESIGN

(f) UC Approved

3-D Sculpture and Design is an introductory class in which basic building techniques and materials will be taught in the production of 3-dimensional sculpture. In addition to basic sculpture techniques, the elements of 3-dimensional design will be learned as they apply to the projects at hand. This class will approach sculpture and design from a fine arts perspective; therefore, aesthetics and design will be addressed, as well as skill and craftsmanship. Students will learn the process of art-making with keeping an ongoing sketchbook, in which will be preliminary drawings for design, evaluation and reflections on their own work. It is expected that students will read, write, and speak about design and sculpture. Art history/research projects will be completed by each student and submitted in written form.

Length of Course: Year **Open to Grades:** 9,10,11,12

7441A ADVANCED 3-D SCULPTURE AND DESIGN

(f) UC Approval Pending

Advanced 3-D Sculpture and Design is a course that offers upper level skill development, as students incorporate knowledge from their first year of 3-D Sculpture and Design. Skills that are emphasized in Advanced 3-D Sculpture are increased hand building skill and craft in multiple mediums, slip casting, advanced paint and glaze application and a further understanding and emphasis on the Principles of Design as they relate to 3-dimensional sculpture and the student's own developing artistic styles. Projects present additional challenges and thinking in craft, design and color at an advanced level. This class will approach sculpture and design from a fine arts perspective; therefore, aesthetics and design will be addressed, as well as skill and craftsmanship. Students will learn the process of art-making with the keeping of an ongoing sketchbook, in which will be; preliminary drawings for design, evaluation, and reflections on their own work. It is expected that students will read, write, and speak about design and sculpture at an advanced level, building on prerequisite class learning. Art history/research projects will be completed by each student and submitted in written form, in addition to 3-dimensional works.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: One year of 3-D Sculpture and Design and teacher approval.

7450A PHOTOGRAPHY

(f) UC Approved

The photography art student must have a digital "manual" 35mm camera. Each student will be responsible for having at least 4 projects per grading period, and some pictures enlarged through an outside lab. The student will learn and explore observational skills, photographic techniques, and "photography as art" concepts relating to art history and art philosophy. While learning how to use the camera, and how cameras work, the student will explore photography within different genres (portraits, landscape, interior and exterior space, sport, etc.). In addition, students will be learning computer programs that will further their understanding of the photographic process. They will explore simple techniques in Adobe Photoshop and photo editing processes.

Length of Course: Year **Open to Grades:** 9,10,11,12

Note: Students need to provide their own manual DSL camera.

7451A ADVANCED PHOTOGRAPHY

(f) UC Approved

Builds upon skills learned in 'Photography'. This includes camera techniques, photo analysis, photo composition and an increasing emphasis on adjustment and improvement of photographs using photo manipulation software. Students are encouraged to develop various forms of composition such as photography for science, art or publication. Career opportunities and the ethics of photography will be explored in depth as well. Students will be able to understand advanced techniques and some special effects in photography as they learn to find their personal 'voice'.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: Photography

Note: Students need to provide their own manual DSL camera.

7460F VISUAL ARTS IB HL 1

(f) UC Approved

Visual Arts IB HL 1 is a yearlong course. Students enrolled in this course will investigate past, present, and emerging forms of Visual Arts. Students will produce, evaluate, and develop an understanding of the visual arts from a local, national, and international perspective. Students will produce a minimum of 100 pages in a Visual Art Journal to support, inform, develop, and refine studio work through sustained contextual and visual critical investigation. The Visual Art Journal is integral to studio practice and should reflect the student's critical visual and written investigation.

Students are required to complete a portfolio of work throughout the year with a focus on investigating a variety of subject matter and processes. Some of this work could be used in and toward final HL2 Exhibition (EX) task. Curation and critique will be a focus in preparation for the HL 2. The compiled information accumulated in their Visual Art Journal (VAJ) will be the integral evidence to support their Process Portfolio (PP), Comparative Study (CS) and Exhibition (EX) components which will culminate in its final development and formally assessed both internally and externally in year two, semester two of Visual Arts IB HL 2.

Length of Course: Year **Open to Grade:** 11

Prerequisite: Minimum requirement is successful completion of Art 1 and portfolio review recommended. Preferred requirement are successful completion of Art 1 and Drawing and Painting with grades of "A" and/or teacher recommendation. .

Note: Students enrolled in this course are required to take Visual Arts IB HL 2 the following year to fulfill the two year Visual Arts IB HL commitment

7461F VISUAL ARTS IB HL 2

(f) UC Approved

Visual Arts IB HL 2 is the continuation of the Visual Arts IB HL 1 course. Students enrolled in this course will continue to investigate past, present, and emerging forms of Visual Arts. Students will produce, evaluate, and develop an understanding of the visual arts from a local, national, and international perspective. Students will continue the production of their investigation workbook to support, inform, develop, and refine studio work through sustained contextual and visual critical investigation. The investigation workbook is integral to studio practice and should reflect the student's critical visual and written investigation. Students are required to complete a personal statement based on their experience documenting their growth from their investigation and process of art making.

Students are required to complete a portfolio of work, an investigation workbook, and an interview with an examiner about their work. If the student chooses Higher Level Option A, their focus will be 60% studio work, and 40% investigation workbook. If Higher Level Option B is chosen, the students focus will be 60% Investigation Workbook and 40% studio work. Both options A & B require the completion of a Candidate Record Booklet, which consists of 3 parts; IWB's best pages, studio works, and student's personal statement.

Length of Course: Year **Open to Grade:** 12

Prerequisite: Successful completion of Visual Arts IB HL 1 with grade of A both semesters and/or teacher recommendation.

6000A FILM 1

(f) UC Approved

This course introduces students to the world of video production, including camera operation, editing, script writing, and how to successfully communicate your story. Each student will gain hands-on experience of single camera (film style) productions. No prior experience is required for this course.

Length of Course: Year **Open to Grades:** 9,10,11,12

6010A FILM 2

(f) UC Approved

This course is designed to provide students with a deeper understanding of all aspects of digital media production. Students will view film samples and gain experience in lighting, sound recording, producing, and directing. Students will choose crew positions and learn how a professional film set operates, enabling them to appreciate film at a higher level. At least one weekend shoot is required.

Length of Course: Year **Open to Grades:** 10,11,12

Prerequisite: Successful completion of Film 1.

6215A MOTION GRAPHICS

(f) UC Approved

Green-screening, visual special effects, title sequences, character animation, text animation are all part of this course that introduces the fundamentals and principles of computer-generated animation and compositing. Learn how to design, create, edit and bring motion to graphics that integrate into the film, social media and business industries using Adobe After Effects, Photoshop, Premiere and Media Encoder. Hands-on projects, group animation projects, researching and reading will enhance an understanding of creative skills as well as develop technical knowledge of professional computer animation programs. This is a great opportunity for students interested in pursuing a career in film/television production, art, communication, visual effects, game design, computer animation or graphic design.

Length of Course: Year

Open to Grades: 9, 10, 11, 12

6221C SCREENWRITING H

(f) UC Approved

This course guides students through the process of completing a feature length screenplay. Students will gain a deeper understanding of the fundamentals of writing by studying script history, structure, character development, dialogue, and other dramatic devices that shape contemporary screenplays. Through screenings, discussions, and writing exercises, the student will acquire creative and analytical skills that they will use to help bring their characters and stories to life. No prior experience is required for this course.

Length of Course: Year

Open to Grade: 11, 12

6230F Film IB HL 1

(f) UC Approved

This film course aims to develop students as proficient interpreters and makers of film. Through the study and analysis of films, and through practical exercises in film production, the film course develops students' critical abilities and their appreciation of artistic, cultural, historical and global perspectives in film. Students examine film concepts, theories, practices and ideas from multiple perspectives, challenging their own viewpoints and biases in order to understand and value those of others. The course emphasizes the importance of working collaboratively. It focuses on the international and intercultural dynamic that triggers and sustains contemporary film, while fostering in students an appreciation of the development of film across time, space and culture. Students are challenged to understand alternative views, to respect and appreciate the diverse cultures that exist within film, and to have open and critical innovation. Students are challenged to acquire and develop critical thinking, reflective analysis and the imaginative synthesis that is achieved through practical engagement in the art, craft and study of film.

Length of Course: Year

Open to Grade: 11

6231F Film IB HL 2

(f) UC Approved

This course is the continuation of Film IB HL 1 (please see Film IB HL 1 course description) taken during student's senior year. During this year, along with continuing to develop the students' skills in interpreting film and making film productions, students will complete the four required assessments for the course. These assessments include: Textual Analysis (essay), Comparative Study (multimedia presentation), Film Portfolio (film reel) and Collaborative Film Project.

Length of Course: Year

Open to Grade: 12

Prerequisite: Successful completion of Film IB HL 1 and teacher recommendation.

6217A FILM AS ART

(f) UC Approved

This course introduces students to the art, language, business and career concepts of and about the international motion picture industry. Students are required to learn the process of how a film is made from idea to seeing the idea on the silver screen. The students are taught to "read" a film, analyzing its structure, genre, technical and artistic factors and purpose. Students study the wide variety of careers required to make films and support the motion picture industry. Lastly, students learn how to view film, talk about film, write about film, critique films and research film. Also, with film viewing, students analyze film, research topics on specific areas of the motion picture industry, write original short scripts, create a short film of their own and do the necessary preparation to make a million-dollar feature film.

Length of Course: Year

Open to Grades: 9, 10, 11, 12

BROADCAST JOURNALISM COURSES

	Freshman	Sophomore	Junior	Senior
Broadcast Journalism	Television Production	Television Production	Television Production	Television Production
		Broadcast Journalism	Broadcast Journalism	Broadcast Journalism
		Sports Broadcasting & Remote Event Production	Sports Broadcasting & Remote Event Production	Sports Broadcasting & Remote Event Production
		Broadcast Journalism H	Broadcast Journalism H	Broadcast Journalism H

We must have sufficient enrollment in each class in order for that class to be offered

6219A TELEVISION PRODUCTION

(f) UC Approved

This course is designed to teach students the skills needed for producing studio multi-camera television shows. Students will learn about the entire television production process (both technical and professional), the three different phases of production (pre-production, production and post-production), and taking on different production elements including: creating a timeline, organizing and scheduling talent, and writing and developing segments. This class will also present the historical, programming, physical, legal, social and economic aspects of television production. The course will prepare students for college internships and careers in studio production. This class presents an outstanding opportunity for students to learn the craft of producing television features, stories, profiles and interviews outside the formal television studio setting. Students will learn the many exciting and rewarding aspects of television in front of and behind the camera.

Length of Course: Year **Open to Grades:** 9, 10, 11, 12

6252A SPORTS BROADCASTING & REMOTE EVENT PRODUCTION

(f) UC Approval Pending

This exceptional class will provide students with a comprehensive platform to learn all aspects of television sports production, broadcasting and event production. Live multi-camera sports coverage will be our focal point – all sports will be included. Students will learn the fundamentals of the broadcast sports production process. Opportunities for students will be presented both in front of and behind the camera and inside the production truck. Learn camera, directing, technical directing, audio, graphics, play by play announcing etc. All facets of remote sports production will be covered and learned. Students are required to attend a minimum of 6 after school events

Length of Course: Year **Open to Grades:** 10, 11, 12

6222A BROADCAST JOURNALISM

(f) UC Approved

The objective of this class is to teach students the fundamentals of reporting from the perspective of an on camera talent presenter, analyst, correspondent or specialized reporter. Story-telling and coverage of stories in the film and entertainment field will be taught. Students will focus on aspects of current film (movie releases) and entertainment news involving television and internet

broadcasting. This class will emulate network type nightly entertainment shows that focus on what's happening in the entertainment world both nationally and global. An emphasis will be that of on air reporting. Those students who have good oral and written communication skills will excel in this class. Whether using the medium of TV, radio or internet, the requirements of "journalism" apply across the spectrum. Every day a journalist has to look for possible news or feature stories that might be of interest to the public – for our purpose it is the SM student body. How to approach a story as a true journalist – the art of storytelling by gathering the facts is what will be taught and practiced. Our goal is also to work with the school newspaper in bringing the industry and media gap between print and digital. This exciting class will have a rotation of "beats" that the students will focus on during the semester. Those "beats" will include news, hot topics, entertainment, sports, interest stories, clubs, campus ministry, student government etc. Students will seek out stories, conduct interviews, shoot video support (b-roll) to compile stories.

Length of Course: Year **Open to Grades:** 10, 11, 12

Prerequisite: Completion of Television Production with a "C" or better

6222C BROADCAST JOURNALISM HONORS (EAGLE TV 2.0 "LIVE" SHOW)

(f) UC Approved

The Eagle TV 2.0 daily morning show is the emphasis of this class. A selected number of students that must have at least one-year of volunteer experience working on Eagle TV 2.0 or have taken one-year of broadcast journalism or TV Production to be considered. Each student will be required to have knowledge and the ability to produce (all content) all aspects of the daily "live" Eagle TV 2.0 show. This class prepares, through the daily activity of preparing a live show, all students with superior and advanced knowledge in all areas of television production and journalism. It will allow students an excellent foundation for a career in television production and broadcasting. The course will prepare students for college internships and careers in studio production.

Length of Course: Year **Open to Grades:** 10, 11, 12

Prerequisite: Completion of Television Production or Broadcast Journalism. Students must submit a sample of their work and be interviewed by Director of Broadcast Journalism.

PHYSICAL EDUCATION DEPARTMENT

Physical Education Policy

All students at Santa Margarita Catholic High School are required to complete 10 credits of Physical Education in order to graduate. This requirement can be met in the following ways:

Regular P.E. Classes

- Completion of 1 years (10 credits) in a Physical Education class at SMCHS, either during the regular seven period day, (first priority given to seniors), or during summer school (space permitting and first priority given to seniors). Summer school classes must have a minimum of 20 students and will count as 5 credits per semester or session. Students may take summer school P.E. both sessions if space is available and can earn a total of 10 credits for both sessions.
- Students may earn 5 P.E. credits per semester by being a Student Athletic Trainer/Manager. Space is limited in this semester long course, and students must be recommended by the school's athletic trainer before signing up.
- Students may earn up to 10 P.E. credits for 1 year participation in Beginning, Intermediate and/or Advanced Dance. Beginning Dance may be taken as a fine art credit only.
- You must have a current physical on file to participate in any Physical Education class.

CIF-Sanctioned Sports

- Participation in a CIF-Sanctioned Sport offered at SMCHS. Only those CIF-sanctioned sports that are offered on our campus will be approved for credit. This includes the following sports: Baseball, Basketball, Lacrosse, Cross Country, Football, Golf, Soccer, Softball, Swimming and Diving, Tennis, Track and Field, Volleyball, Water Polo and Wrestling.
 - **One year** of continuous participation in a **year-round sport** will satisfy the 10 credit requirement for graduation. CIF-sanctioned year-round SMCHS sports include: Baseball, Boys Basketball, Girls Basketball, Football and traditional Sport Cheer (Competition Team). If a student fails to complete the 1 year commitment, 5 credits per semester will be earned.
 - **Two years** of participation in a **seasonal or semester sport** will satisfy the 10 credit requirement for graduation. CIF-sanctioned seasonal SMCHS sports include: Cross Country, Golf, Lacrosse, Soccer, Softball, Swimming and Diving, Tennis, Track and Field, Volleyball, Water Polo, and Wrestling. If a student fails to complete the 2 year commitment, 5 credits per season will be earned.

A maximum of 10 credits per year may be earned through participation in the CIF-sanctioned sport. **If a student is dropped or withdraws from the sport before meeting the 1 or 2 year commitment (stated above), he or she must earn the additional credits needed to total 10 prior to graduation.** These additional credits may not be earned off campus; the remaining P.E. credits needed for graduation must be earned on the SMCHS campus.

CIF Non-Sanctioned Sports

- The following SMCHS-affiliated activities: Equestrian, Roller Hockey, and Surfing will receive a maximum of 5 credits per year. These activities must have a minimum of 90 hours per year in order to receive 5 units of credit. (2.5 units per semester)
- The following SMCHS-affiliated activity: Ice Hockey will receive a maximum of 10 credits per year. This activity must have a minimum of 200 hours per year to receive 10 units of credit.

Other Options

- Marching Band – 2 years of continuous participation (1 semester per year) will satisfy 10 credits of P.E.
- Color Guard – 1 year of continuous participation (2 semesters per year) will satisfy 10 credits of P.E.
- Dance Production Team – 1 years (2 semesters) of continuous participation on the Dance Production Team will satisfy the 10 credit requirement for graduation. If a student fails to complete the 1 year commitment, he or she will be required to earn an additional credits of P.E. on the SMCHS campus.
- Sideline Cheerleading/Songleading – 1 year (2 semesters) of continuous participation in Cheerleading will satisfy the 10 credit requirement for graduation. If a student fails to complete the 1 year commitment, he or she will be required to earn an additional credits of P.E. on the SMCHS campus.
- Spring Musical – Cast members will receive a maximum of 5 credits per year. Cast members must participate in a minimum of 200 hours physical activity to receive the 5 units of P.E. credit.

8020 **PHYSICAL EDUCATION**
8020S **PHYSICAL EDUCATION**

The Physical Education curriculum is fitness based and is designed for both new and repeat students. All of the aspects of total fitness will be covered in the course. The course will also include exposure to and instruction in a variety of team and individual sports.

Length of Course: Year/Semester

Open to Grades: 9,10,11,12

8034 **WEIGHT TRAINING**
8034S **WEIGHT TRAINING**

This class is a combination of strength training, cross training, and power movements. Students will supplement their workouts with various speed, fitness, core strength drills, and agility drills. This course focuses on improving strength, fitness, and flexibility for injury prevention and agility. The course is designed to offer a higher level of proficiency and more in depth instruction in weight training. Training principles are taught and students learn how they impact a lifetime of physical fitness. Students learn that weight training is a fitness activity with many benefits, including improving personal health, increasing longevity, and quality of life through the reduction of stress.

Length of Course: Year/Semester

Open to Grades: 9,10,11,12

Prerequisites: Previous Physical Education/Participation in Sports or Instructor Approval. Open to both Men and Women.

8039 **FITNESS**
8039S **FITNESS**

This course will offer students the opportunity to use spin and elliptical machines, participate in instructed classes such as Yoga, Pilates, and Aerobic (kickboxing, step aerobics, light weights, circuit training) workouts. This class will assist students in building and maintaining lifelong physical and mental fitness. Students will be exposed to and have experience with all five components of fitness- cardiovascular strength, cardiovascular endurance, muscular strength, flexibility and body composition.

Length of Course: Year/Semester

Open to Grades: 9,10,11,12

Prerequisites: Physical Education/Participation in Sports or Instructor Approval.

8050 **STUDENT ATHLETIC TRAINER**

This course is an introduction to the field of sports medicine through a semester long class. This class teaches the techniques of athletic training through observation and lecture. Students will be assigned to a team for home game coverage. This is an after school course that may require late hours after school and manual lifting of equipment.

Length of Course: Semester

Open to Grades: 9,10,11,12

Prerequisites: Approval of Head Trainer.

8051S **TEAM MANAGER**

Team managers will be responsible for supporting the Head Coach and liaise with all matters relating to the team. Student will work under the direction of the Head coach

Length of Course: Entire season of sport as defined by Head Coach

Open to Grades: 9,10,11,12

Prerequisites: **Completed Contract**, Approval of Head Coach, and approval of the Associate Athletic Director

8055S **INDEPENDENT STUDY PHYSICAL EDUCATION**

The Independent Study Physical Education course is designed for students who are already participating in a committed, sustained, and organized approved physical activity pursuit. Examples include competitive ice skating, gymnastics, crew, martial arts, or ballet. All applications for Independent Study PE must be signed and approved by the PE Coordinator prior to the beginning of the semester. ISPE is not available for sports or activities that are already offered at SMCHS. All independent study activities must be monitored, supervised and verified by a qualified instructor, coach, or trainer. An Independent Study Physical Education course requires personal accountability and maturity. Students enrolled in this course will be responsible for fulfilling the requirements of the ISPE contract, which includes completion of all monthly workout logs and submission of all reports.

Length of Course: Semester

Open to Grades: 9,10,11,12

Prerequisites: Approval of PE Coordinator

OTHER ELECTIVES

1636A ASB LEADERSHIP

(f) UC Approved

This is a year-long course designed for elected and appointed officers of the Associated Student Body (ASB). Students will learn key leadership skills directly applicable in a business organization and democratic government. Time will be spent teaching the rudiments of parliamentary procedure, efficient committee organization, and effective group action and interaction. ASB will be responsible for coordinating, organizing, and executing various student activities, both on and away from campus. Students will better understand how to communicate, weigh decisions, and think "outside the box" while learning what it means to be a leader and the responsibility it entails.

Length of Course: Year

Open to Grade: 12

Prerequisites: Elected and appointed ASB officers (Executive officers, Class officers, Commissioners) or Activities Director recommendation.

Note: . This class will meet 2-3 times a week during 0 period, at the discretion of the Activities Director

9056-58 ACADEMIC SUPPORT

This is a semester- or year-long graded, non-academic elective course which is only for students enrolled in our Auxiliary Studies Program. This course offers homework help, test preparation, organizational strategies, guidance in essay writing, training in self-advocacy and utilization of ASP accommodations. Some 1:1 tutorials and group study sessions are also conducted. Additionally, students may participate in reading intervention and computer-based programs, and may complete tests with extended time and other special accommodations during this class period. A weekly grade check report is e-mailed home to students' parents.

Length of Course: Year/Sem **Open to Grades:** 9, 10, 11, 12

Prerequisite: Must be enrolled in Auxiliary Studies Program.

9200 PEER MENTORSHIPS

Peer Mentorship is a yearlong course where selected students have the opportunity to work with the students enrolled in the Options Program, a non-diploma track program for students with moderate to severe special needs. The peer mentors act as academic role models, working with the Options students to create positive study skills. They assist in one to one tutoring and accompany the Options students to their classes. These mentors also help facilitate social participation by eating with students at lunch and attending school functions with them. The Options program is not only beneficial to its students, but to its peer mentors as well. Mentors learn lifelong skills such as: patience,

character, tolerance, compassion, and respect. Peer mentors make excellent role models for other students on campus and show daily examples of living out our school's four core principals: Compassion, Humility, Justice and Goodness

Length of Course: Year

Open to Grade: 12

9020/S OFFICE AIDE

The Office Aide course is designed to offer students the experience of learning basic skills as they assist in the completion of various office operations as assigned. In keeping with the high professional standards of SMCHS, the office aide is expected to adhere to all school rules, understand and comply with confidentiality protocol and in no way abuse the privileges of the office aide position. In addition, the course is graded as Pass/Fail and grading will be based upon punctuality, attitude and effort.

Length of Course: Year/Semester

Open to Grade: 12

Note: There is a contract and application that must be submitted for this course.

9030A TECH CENTER AIDE

Students will learn the basics of hardware and software used at SM while getting real world experience in technology maintenance and trouble shooting. Students will serve as the first line of support and will be trained to assist staff and students with technology issues. In addition to manning the Tech Center, students will also participate in online courses and assignments in order to learn Microsoft skills, basic coding, website development etc.

Length of Course: Year

Open to Grade: 9, 10, 11, 12

Note: There is a contract and application that must be submitted for this course.

9070/S LEARNING STRATEGIES

This is a semester- or year-long graded, non-academic elective course which is only for students approved by the Assistant Principal of Academics and Curriculum. This five-credit course is designed to be an introduction to learning strategies and to provide each student with an opportunity to assess learning styles, priorities, values, and cognitive skills. This course offers homework help, test preparation, organizational strategies, and guidance in essay writing. The course may also be required for students who fall into academic probation. A weekly grade check report is e-mailed home to students' parents.

Length of Course: Year/Semester

Open to Grades: 9, 10, 11, 2

Prerequisite: Approval of Assistant Principal

