

DADE CHRISTIAN SCHOOL

High School Course Guide 2015-2016



Student Name: _____

**All courses are subject to availability
and sufficient enrollment.**

MISSION STATEMENT

Dade Christian School exists to challenge students in grades 2K – 12 to become well-balanced, Christ-like persons by educating in the mental, physical, social, and spiritual realms.

TABLE OF CONTENTS

Grade Point Average Scale	3
Grading Scale	3
Semester Grade Calculations	4
Summer School	4
Grade Forgiveness Policy	4
Advanced Placement (AP) Courses	5
Dual Enrollment (DE) Courses	5
Graduation Requirements	6
Diploma Options	6
Bible	8
Fine and Performing Arts and Media	9
Foreign Language	10
Language and Communication	13
Mathematics	16
Physical Education and Health	19
Sciences	20
Social Studies	23
Technology and Business	26

GRADING SCALE

GRADE POINT AVERAGE:

All courses taken during high school are included in the GPA. One-half (.5) credit is granted for each semester course of successful academic work. All courses are also assigned numerical values, or “Quality Points,” according to their challenge and demand. The cumulative weighted GPA is determined by dividing the total Quality Points by the total High School credits attempted. Quality points do not affect the amount of credit given per course.

GPA WEIGHTED TABLE
(Applies to all courses beginning fall of 2015)

Grade	% Range	College Prep Quality Points	Honors Quality Points	DE Quality Points	AP Quality Points
A +	98.50 - 100	4.0	4.5	5.0	5.5
A	93.50 - 98.49	4.0	4.5	5.0	5.5
A -	89.50 - 93.49	4.0	4.5	5.0	5.5
B +	86.50 - 89.49	3.0	3.5	4.0	4.5
B	83.50 - 86.49	3.0	3.5	4.0	4.5
B -	79.50 - 83.49	3.0	3.5	4.0	4.5
C +	76.50 - 79.49	2.0	2.5	3.0	3.5
C	73.50 - 76.49	2.0	2.5	3.0	3.5
C -	69.50 - 73.49	2.0	2.5	3.0	3.5
D +	66.50 - 69.49	1.0	1.5	1.0	1.0
D	63.50 - 66.49	1.0	1.5	1.0	1.0
D -	59.50 - 63.49	1.0	1.5	1.0	1.0
F	0 - 59.49	0	0	0	0
I (Incomplete)	0	0	0	0	0

AP=Advanced Placement – college credit may be earned by passing AP exam
DE = Dual Enrollment – college credit may be earned with a “C” or better

SEMESTER GRADE CALCULATIONS

The final semester grade for each course will be recorded on a student's high school transcript. This grade average is calculated based on the percentile grades for each marking period and the semester exam. Each marking period is weighted at 40% and the semester exam is weighted at 20%. Credit is awarded at the end of each semester for all classes in which a passing grade is earned.

A "D" or failing grade in a required course must be up prior to enrolling in a sequential course for which it is a pre-requisite, or, in the case of a senior, prior to receiving a diploma.

SUMMER SCHOOL

Summer School is available for any student who receives a semester grade of "D" or "F" for any core academic course in high school. Summer School typically begins one week after school is out. Students may make up a maximum of four semester classes (2.0 credits) in Summer School. All courses are also eligible for the Grade Forgiveness Policy (see below). Registration for make-up through the high school office will take place through the first day of summer school.

GRADE FORGIVENESS POLICY

High school courses in which a student receives a "D" or an "F" must be retaken. If a student receives a higher grade when taking the course for a second time, both grades will be listed on the high school transcript, but only the higher grade will be used when calculating the cumulative grade point average (CUM GPA). Courses may be retaken through Summer School, adult education at a local high school, or through Florida Virtual. ANY MAKE-UP COURSE NOT TAKEN AT DCS MUST HAVE PRIOR APPROVAL BY THE GUIDANCE OFFICE OR CREDIT WILL NOT BE ACCEPTED.

It is the responsibility of the student to make all arrangements for make-up of any "D" or "F."

ADVANCED PLACEMENT (AP) COURSES

AP courses are offered at Dade Christian School in a variety of subjects, and they culminate each year in an assessment given by the College Board in early May. These courses are respected by colleges and universities as being college-level classes, and a passing score of 3-5 on a scale of 1-5 may result in college credit (depending on individual college policy admission). Admission to these classes is selective and based on a combination of previous subject-area grades, PSAT and Stanford Achievement Test scores, and both teacher and administrative approval. Students must take the national May examination in order to retain the AP designation on report cards and transcripts.

AP CLASSES

- AP Biology
- AP Calculus AB
- AP English Literature
- AP English Language
- AP Government
- AP Spanish Language
- AP Studio Art

DUAL ENROLLMENT CLASSES

Dual enrollment courses are college level courses available on our campus for students who have completed 9th grade. These courses offer one additional point (1.0) of GPA weight. Any DE courses taken off campus require prior approval from Guidance. 3 College credit hours are earned for each class with at least a grade of "C."

DE College Algebra
DE Anatomy
DE US History
DE Chemistry
DE Worldviews/Apologetics

Note: AP students may choose to transfer to a DE level course at the end of 1st semester. This option is available for most AP courses with the approval of the teacher, parent, and Guidance.

NORMAL COURSE SCHEDULE

9th Grade

- » Life of Christ
- » English 1
- » Math (Algebra 1 or Geometry)
- » Physical Science (or Biology)
- » Foundations of US Hist/Geography
- » Physical Education
- » Elective

10th Grade

- » History of My Faith
- » English 2
- » Math (Geometry or Algebra 2)
- » Science
- » US History
- » Foreign Language
- » Elective

11th Grade

- » Christian Discipleship
- » English 3
- » Math
- » Chemistry
- » Cont. History or Found./Geog.
- » Elective (must complete 2nd year of Foreign Language)

12th Grade

- » World Views
- » English 4
- » Math
- » Government & Economics
- » Science

DIPLOMA OPTIONS

Completion of one of these programs meets the requirements for Bright Futures, Florida's state universities and NCAA qualification.

College Prep Diploma

<u>SUBJECT</u>	<u>Credits</u>
Bible	4.0
English	4.0
Math: <i>including at least 1 credit beyond Algebra II</i>	4.0
Social Studies	4.0
Science: <i>including 1 credit of Biology</i>	3.0
Foreign Language: <i>two years of the same language</i>	2.0
Fine/Performing Arts	1.0
Physical Education	1.0
Technology: <i>Computer Applications (for Class of 2019)</i>	0.5
<u>Electives</u>	<u>1.5</u>
TOTAL CREDITS	25

- **Maintain a 2.0 Cumulative GPA.**
- **A minimum of 80 community service hours must be completed.**

Dual Enrollment Diploma

SUBJECT	Credits
Bible	4.0
English	4.0
Math: <i>including at least 2 credits beyond Algebra II</i>	5.0
Social Studies	4.0
Science: <i>including Biology and Chemistry</i>	4.0
Foreign Language: <i>two years of the same language</i>	2.0
Fine/Performing Arts	1.0
Physical Education	1.0
Technology: <i>Computer Applications (for Class of 2019)</i>	0.5
Electives	1.5
TOTAL CREDITS	27

- **Earn a 3.5 Cumulative GPA.**
- **Pass 4 or more DE or AP Classes**
- **A minimum of 100 community service hours must be completed.**

Advanced Placement Diploma

SUBJECT	Credits
Bible	4.0
English	4.0
Math: <i>including at least 2 credits beyond Algebra II</i>	5.0
Social Studies	4.0
Science: <i>including 1 credit of Biology and 1 credit of Chemistry</i>	5.0
Foreign Language: <i>three years of the same language</i>	3.0
Fine/Performing Arts	1.0
Physical Education	1.0
Technology: <i>Computer Applications</i>	0.5
Electives	0.5
TOTAL CREDITS	28

- **Earn a 4.0 Cumulative GPA.**
- **Pass 4 or more Advanced Placement Courses**
- **A minimum of 150 community service hours must be completed.**

Course Descriptions

All courses subject to availability and sufficient enrollment.

Bible

Students must take one full credit of Bible for each year in attendance at DCS.

Understanding My Faith/The Life of Christ 1 Cr. Required Grade 9

Students are introduced to the person, life and ministry of Jesus Christ. This course is designed for you to understand Him as a real person, an historic figure, and discover a personal relationship with Jesus Christ. You will study Jesus' birth, baptism, teachings, parables, miracles, death and resurrection. This course will also give you an understanding of the life of the early church by studying the *Book of Acts* to study the life of 1st century Christians.

Prerequisites: This course is required for all students new to DCS.

History of My Faith/Old Testament Studies 1 Cr. Required Grade 10

This class will examine God's calling of Israel as the Messianic community being a light to the nations and preparing the way for Jesus Christ. This course is a journey through the entire Old Testament focusing on the Historical, Wisdom, and Prophetic writings of the Hebrews, God's people. *History of My Faith* is a course that will increase your Bible knowledge, give you an introduction to biblical archeology, and why the Bible can be trusted as God's inspired Word to mankind.

Prerequisites: 9th Grade Bible or Guidance approval for Transfer students

Living My Faith/Practical Discipleship 1 Cr. Required Grade 11

This course is about the challenge of living out the Christian faith. *Living My Faith* is designed to strengthen your understanding and trust of God in your own life. Theology is not just a matter of the head, but the heart. Loving God and others is the primary fruit of Christ's gospel and the focus of this class. Topics will include Knowing Christ, Knowing God, The Ten Commandments, Entertainment, Spiritual Warfare, Evangelism, and current issues.

Prerequisites: 10th Grade Bible or Guidance approval for Transfer students

Christian Family Life/Christian Worldview 1 Cr. Required Grade 12

This course is about equipping our students with a very practical understanding of Christian family values and relationships as taught in the Bible. Dating, marriage, sexuality,, friendships, and parenting as God intends for us are taught. You will learn to understand the times, defend the Christian Faith and grow in your personal faith in Jesus Christ. Topics will include Worldviews, defense of your faith, Objections to Christianity and World Religions. This class is about guiding Christian young people to live out Jesus' words.

Prerequisites: 11th Grade Bible or Guidance approval for Transfer students

DE Apologetics .5 Cr. Grade 12

This course will examine various Christian responses to secularism in the areas of philosophy, history, and science, and the role of truth in a postmodern society. Students will examine evidence and arguments for five basic questions: What is apologetics and why is it important? Are science and faith compatible, even complementary? What is the evidence for Jesus' claims of divinity? How do we know if the Bible is reliable? What is the relationship between apologetics and the Christian worldview? 3 college credit hours can be earned.

This one semester course must be in addition to a semester of Christian Family Life.

Prerequisites: "B+" in grade 11 English and Bible

Fine and Performing Arts and Media

Students must take one full credit of any of these courses for graduation.

Symphonic Wind Ensemble 1 Cr. 1302360 Grades 9-12

This performing group practices daily as they prepare for the concerts and recitals that take place throughout the year. Highlights include the group and individual participation in competitions across the state.

Prerequisite: Teacher Recommendation

Choir 1 Cr. 1303300 Grades 9-12

This performing group studies the phrasing of music, the meaning of the text, and the power of the performer. As students begin to uncover their own identities, they begin to better understand the minds and lives of the composers. Students are also involved in various concerts and competitions throughout the year.

Advanced Choir 1 Cr. 1303310 Grades 10-12

This advanced performing group continues studies learned in Choir and prepares students and groups for advanced levels of competition and performance.

Prerequisite: Student Audition and Teacher Recommendation

Drama 1 Cr. 0400310 Grades 9-12

This course provides students with a basic background in theater and acting. It introduces students to the appreciation for drama, play production, and basic acting exercises. Students are required to have some role in the high school play productions either on or off stage.

Art 1 1 Cr. 0101300 Grades 9-12

This course introduces the beginning artist to various techniques of creating artworks in the three main areas of drawing, painting, and sculpture. Time is also devoted to the famous artists who developed those mediums extensively.

Art 2 1 Cr. 0101310 Grades 10-12

This course is designed to challenge aspiring art students, and will utilize various media throughout the school year. *Prerequisite: Art 1*

Art 3 1 Cr. 0101320 Grades 11-12

This course is a continuation of Art 2 for students who are not prepared to develop the rigorous portfolio that is required in AP Art. *Prerequisite: Art 2, Teacher Recommendation*

Ceramics .5 Cr. 0102300 Grades 10-12

The purpose of ceramics class is to teach the students three different methods of making ceramic objects from clay. The primary focus of the course is wheel-throw pottery. This will include practice sessions, finishing projects, glazing, and firing. The secondary focus is divided between hand-built techniques and sculpture. *Prerequisite: Art 1*

AP Studio Art 1 Cr. 0109350 Grades 10-12

AP Studio Art is designed for students who are seriously interested in the practical experience of art. Students submit portfolios for evaluation at the end of the school year by the College Board. These portfolios must demonstrate a depth of investigation and process of discovery through concentration, a serious grounding in visual principles and techniques, and a quality of work that exhibits a synthesis of form, technique, and content.

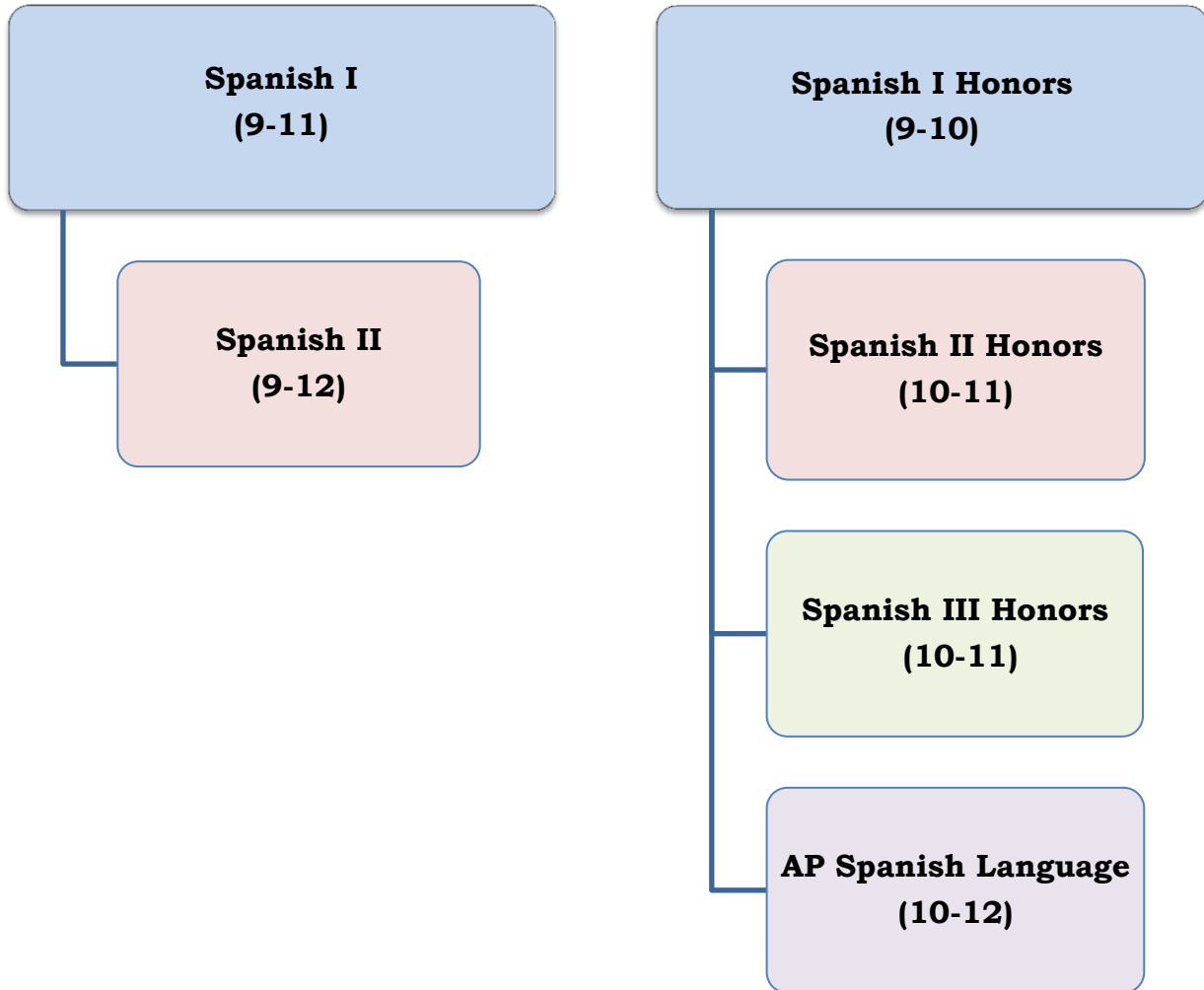
Prerequisite: Art 1, Teacher Recommendation

Yearbook 1 Cr. 1006340 Grades 10-12

This course will enable students to develop fundamental skills in the production of various mass media including, but not limited to, yearbook. The purpose of this course is to enable students to develop skills in the publication arena, allowing them to understand ethics and responsibilities in mass media, philosophy and impact of various programs, production of mass media, analysis of mass media and the impact on history, culture and politics.

Prerequisite: recommendation of Yearbook advisor

Spanish Course Progression



Foreign Language

Spanish I 1Cr. Required 0708340 Grades 9-11
As an introduction to the fundamentals of listening and speaking, vocabulary and grammar; this course is designed for communication with Spanish-speaking people in the community or workplace. Classroom instruction is designed to develop communicative competence and cultural sensitivity. Students will be equipped with a foundation of vocabulary and grammar that will enable them to begin communicating and sharing their faith in Spanish. Skills involving communicating about things occurring in the present, future, and past will be developed. Interactive texts, games, manipulative, and “real life” Spanish language tools like newspapers, radio, television, online video clips, Spanish Bible verses and literature will be used to further develop the student’s understanding of Spanish. Students will continue to expand their proficiency in Spanish II or II Honors. *Students will be evaluated by department for placement. It is recommended that freshmen who take this class have a “B” in 8th Gr. English.*

Spanish I Honors 1 Cr. 0708340 Grades 9-10
This course is intended to help students improve the command of their native or heritage language, as well as learn about its different cultures. It is designed to equip the student with the necessary tools to improve their vocabulary and grammar. This program is mostly conducted in the target language and uses a systematic and enjoyable approach in which each chapter is based on a major theme, and grammar is taught in context, not isolation. Students will continue to expand their proficiency in Spanish II or II Honors. Students will be evaluated by department for proper placement.
Prerequisite: “A” in English and teacher recommendation; some fluency in Spanish is preferred

Spanish II 1 Cr. Required 0708350 Grades 9-12
As a continuation of Spanish I (and Spanish I-Honors-8th grade), this class broadens the development of the basic communicative skills of writing, reading, listening, speaking, grammar, vocabulary and Hispanic culture. The tools needed to share one’s faith through personal testimony will be developed. Classroom practice and exercises are supplemented by multimedia designed to increase communicative competence and cultural sensitivity. Interactive texts, games, manipulative and “real life” Spanish language tools like newspapers, radio, television, online video clips and online audio clips, Spanish Bible verses, film, songs, art and literature will be used to develop the student’s understanding.
Prerequisite: Spanish I or teacher recommendation

Spanish II Honors 1Cr 0708350 Grades 10-11
This course is designed for students who want to take their native or heritage language to a higher level in the areas of grammar, vocabulary, listening practices, and discussions of various topics. Written and oral activities will improve the student’s level of fluency in order to speak, read, and comprehend the language with confidence.
Prerequisite: “B+” in Spanish I Honors; “A” in Spanish I or department recommendation; some fluency in Spanish

Spanish III Honors 1Cr. 0708360 Grades 10-11
This course is designed for students who want to take their native or heritage language to a higher level in the areas of grammar, vocabulary, listening practices, and discussions of various topics. Written and oral activities will improve the student’s level of fluency in order to speak, read, and comprehend the language with confidence. Students may advance their Spanish development with Advanced Placement Spanish.
Prerequisite: “B+” in Spanish II Honors or “A” in Spanish II, “B” in English, some fluency in Spanish; department recommendation

AP Spanish Language 1 Cr. 0708400

Grades 10-12

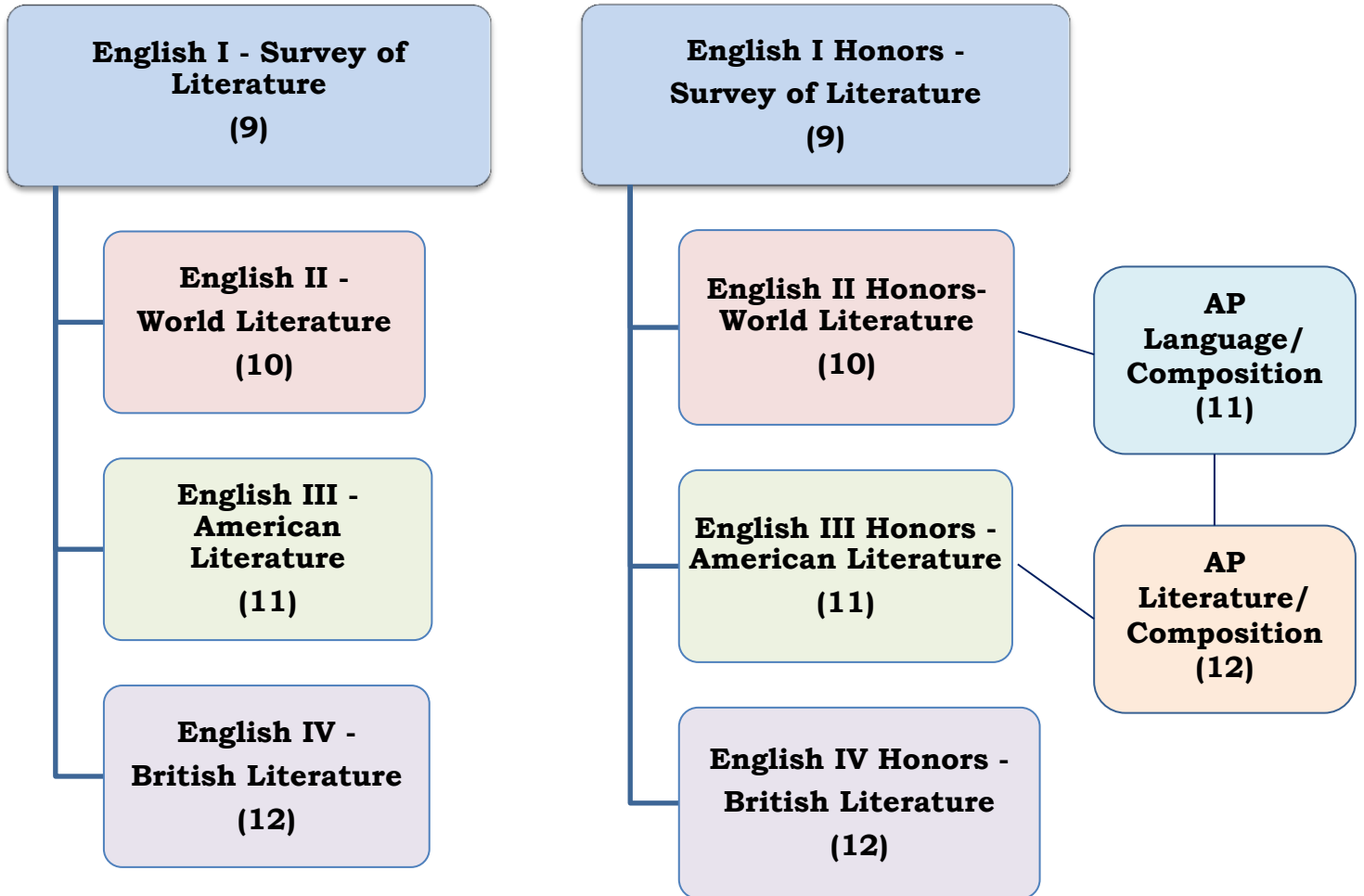
This course is conducted almost exclusively in Spanish. The three modes of communication (Interpretive, Interpersonal, and Presentational) are foundational to this AP course. Students should be able to use the target language to:

- Understand conversations, lectures, oral presentations, newspapers, letters, instructions, Internet articles, and short stories.
- Express themselves orally by convincing, arguing, inquiring, and describing.
- Express themselves well in a variety of written styles, using different strategies for different audiences.

College credit based on test score.

Prerequisites: "B+" in Spanish III Honors and department recommendation

English Course Progression



Language and Communication

English I 1 Cr. Required 1001310 Grade 9

This course introduces distinguished classical authors and themes. Literacy strategies and vocabulary are integrated into class activities as students read a variety of literature and texts. Varied writing instruction and practice facilitating the course writing traits is incorporated into each literature unit. Students will paraphrase, document information, analyze different genres of literature, and make personal application to themes. Discussion, interpretation, and communication skills are developed as students observe and practice the art of oral presentation.

English I Honors 1 Cr. 1001320 Grade 9

This enhanced English I course incorporates a holistic, integrated approach by utilizing other academic disciplines and focusing on analytic and evaluative thinking skills. Assessments and assignments will have additional required writing focusing more rigorously on content, organization, and style.

Prerequisites: "A" in English 8 or "B+" in English 8 Hon. or AP, department recommendation

English II 1 Cr. Required 1001340 Grade 10

This course introduces medieval to contemporary literature from short story, drama, and novel selections. Students will delve into the lives and hearts of characters, exploring the process and purpose of the stories while retrospectively responding to pertinent issues in society. Literacy strategies and vocabulary will be emphasized through reading and analyzing the different texts. Frequent writing utilizing core writing traits and referencing techniques will encompass a comparison of literary works and an analysis of themes, genres, and story elements. Interpretation and communication skills will be strengthened through group interaction as students apply their skills in evaluating critically, and using persuasive language.

Prerequisite: English I

English II Honors 1 Cr. 1001350 Grade 10

This enhanced English II course incorporates a holistic, integrated approach by utilizing other academic disciplines and focusing on analytic and evaluative thinking skills. Assessments and assignments will have additional required writing focusing more rigorously on content, organization, and style.

Prerequisites: "A" in English I or "B" in English I Honors, department recommendation

English III 1 Cr. Required 1001370 Grade 11

This course introduces students to distinguished authors in American literature. Students explore the authors' lives and beliefs as revealed in their writings and compare them with authors of other literary periods. Studies include period exploration of Colonial-Revolutionary, Romantic, Realistic-Naturalistic and Modern literature. Writing Workshop will utilize the SAT standardized timed writing rubric and Scoring Guide. Continuing to write frequently for a variety of purposes, students will refine their understanding of process, audience, persuasion, and evaluation. They will produce analytical and persuasive verbal and written arguments.

Prerequisite: English II

English III Honors 1 Cr. 1001380 Grade 11

This enhanced English III course incorporates a holistic integrated approach by utilizing other academic disciplines and focusing on analytic and evaluative thinking skills. Assessments and assignments will have additional required writing focusing more rigorously on content, organization and style.

Prerequisites: "A" in English II or "B" in English Honors II, department recommendation

AP Language/Composition 1 Cr. 1001420**Grade 11**

This college level course introduces students to the intricacies of language in reading and writing. Reading from a variety of fiction and nonfiction selections, students will decipher stylistic features and connect meaning to the overall analysis of the selections. Different styles of writing such as narrative, expository, descriptive, and persuasive will be evaluated and practiced. Students will learn to incorporate effective use of rhetoric by interacting with the writer's purposes, audience expectations, and subjects as they analyze how generic conventions and the resources of language contribute to effective writing. At the conclusion of the course, students will be able to analyze both fiction and nonfiction literature and develop thoughts clearly in essay form. This course prepares students to take the required AP English Language and Composition exam. Summer work may be required. *College credit depends on exam results.*

Prerequisites: "A" in English II or "B" in Engl. II Honors, 80% Reading score on PLAN/Aspire, PSAT, or ACT, and department recommendation

English IV 1 Cr. Required 1001400**Grade 12**

This course introduces students to distinguished authors in British Literature. Students explore authors' lives and beliefs as revealed in their writings and compare them with authors of other literary periods. Studies include period explorations of Old English, Medieval, English Renaissance, Romantic, Victorian, Modern, and Postmodern literature. Responding to literature in writing workshop utilizing "6+1 Traits," students will analyze and interpret purpose and style. Continuing to write frequently, students will master the understanding of process, audience, voice, and evaluation. They will study and write a broad range of literary analysis and criticism. Students will complete a senior Personal Statement writing project consisting of personal goals and spiritual perspectives.

Prerequisite: English III

English IV Honors 1 Cr. 1001410**Grade 12**

This enhanced English IV course incorporates a holistic integrated approach to British Literature, but focuses more exclusively on analysis, critical thinking, and writing skills. Assessments and assignments will have additional required writing focusing more rigorously on content, organization and style.

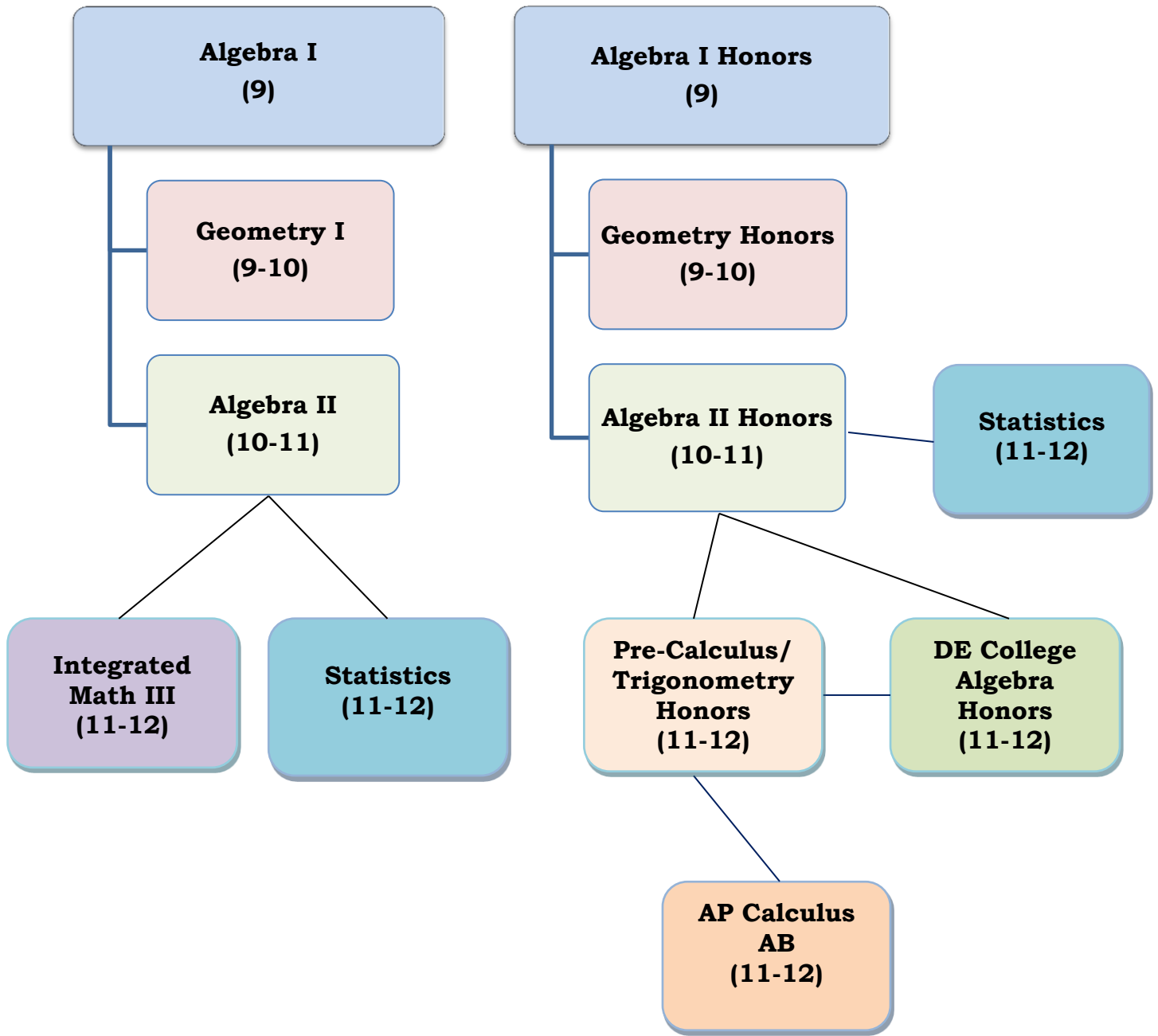
Prerequisites: "A" in English III or "B" in English Honors III, department recommendation

AP English Lit. and Comp. 1 Cr. 1001430**Grade 12**

The core of this course features a wide variety of readings in poetry, plays, and fiction with the objective of deliberately reading to understand the complexity and richness of meaning in a work, enabling the student to arrive at a superior response and analysis. Expository and argumentative prose will be among course topics as well. In preparation for the AP Examination, the student will reflect on his or her reading through extensive discussion, writing, and editing. Significant outside reading is required. This course prepares students to take the required AP English Literature and Composition exam. Summer work may be required. *College credit depends on exam results.*

Prerequisites: "A" in English III, or "B" in English III Honors, or "B" in AP Language & Composition; 80% Verbal score on PLAN/Aspire, PSAT, or ACT; and department recommendation.

Math Course Progression



Mathematics

Algebra I 1 Cr. Required 1200310 Grade 9

The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems. Students who successfully complete this course will be prepared for entry into Geometry and Algebra II. Topics include: order of operations, operations with real numbers, graphing in the coordinate plane, formulas, solving equations and inequalities, functions, linear functions, graphing functions, systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic functions and equations, radical expressions and equations. Problem solving techniques (including STEM problems) will be emphasized.

Geometry 1 Cr. Required 1206310 Grades 9-10

This course is designed to introduce students to logic and proof in order to aid in solving real-world problems. In this course, students will focus on solving problems using geometric postulates and theorems. Students who successfully complete this course will be prepared for entry into Algebra II. Topics include: foundations of Geometry, basic geometric constructions, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangle trigonometry, area, surface area and volume, circles. Problem solving techniques (including STEM problems) will be emphasized.

Prerequisite: Algebra I

Geometry Honors 1 Cr. 1206320 Grades 9-10

This is a fast-paced course designed to introduce students to logic and proof to aid in solving theoretical and real-world problems. In this course, students will focus on solving problems using geometric postulates and theorems. Students who complete this course will be prepared for an accelerated math program, which includes Algebra II Honors. Topics include: foundations of Geometry, geometric constructions, reasoning and proof, parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangle trigonometry, area, surface area and volume, circles, and probability. Problem solving techniques (including STEM problems) will be emphasized. Highlights of this class will be at a high level of reasoning and application of geometric principles. Higher order thinking skills and an advanced work ethic are necessary for satisfactory completion of an honors course.

Prerequisite: "A" in Algebra I or "B+" in 8th Gr. Algebra I Honors; department recommendation

Algebra II 1 Cr. Required 1200330 Grades 10-11

The purpose of this course is to continue the study of algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. Topics include: expressions, solving equations and inequalities, functions/graphs of functions, linear systems, quadratic functions and equations, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, rational functions, sequences and series, quadratic relations and conic sections, probability/statistics, matrices, preparation for standardized testing.

Prerequisites: Algebra I and Geometry

Algebra II Honors 1 Cr. 1200340 Grades 10-11

The purpose of this course is to continue the study of Algebra and to provide the foundation for applying algebraic skills to other mathematical and scientific fields. Higher order thinking skills and an advanced work ethic are necessary for satisfactory completion of an honors course. Students who successfully complete this course will be prepared for entry into Pre-Calculus/Trigonometry or Algebra/Trigonometry. Topics include: expressions, solving equations and inequalities, functions/graphs of functions, linear systems, quadratic functions and equations, polynomials and polynomial functions, radical functions and rational exponents, exponential and logarithmic functions, rational functions, sequences and series, quadratic relations and conic sections,

probability/statistics, matrices, introduction to trigonometry, and preparation for standardized testing.

Prerequisites: "A" in Geometry or "B" in Geometry Honors; department recommendation

Integrated Math III 1 Cr. 1201300 Grades 11-12

The purpose of this course is to review and extend Algebra 2 skills and concepts, and it is intended for students who need some additional preparation prior to taking Pre-Calculus/Trigonometry. These conceptual categories include: number representation and calculation, number theory and the real number system, algebra: functions and linear systems, personal finance, geometry, statistics and probability, set theory, and problem solving and critical thinking.

Prerequisites: Geometry, Algebra 2

Pre-Calculus/Trigonometry Honors 1 Cr. 1202340 Grades 11-12

The purpose of this course is to enable students to develop concepts and skills in function analysis and trigonometric analysis. Students who successfully complete this course will be prepared for entry into AP Calculus. Technology (graphing calculator is required for this course) will be used regularly to reinforce relationships among functions, confirm written work, implement experimentation, and interpret results. Topics include analysis of quadratic, polynomial, rational, exponential, logarithmic, trigonometric, composite, and piecewise functions. Students will be able to analyze these functions algebraically, numerically, and graphically. Additional topics include conic sections, systems of inequalities, sequences and series, sigma notation, and preparation for standardized testing.

Prerequisites: "B" in Algebra II Honors; department recommendation.

DE College Algebra 1 Cr. 1200700 Grades 11-12

This course is intended to enable students to develop concepts and skills in advanced algebra through College Algebra. Topics to be covered include exponents and logarithms, functions and relations, conics, complex numbers, matrices and determinants, statistics, solving systems of equations, exponential and logarithmic equations, and radical equations; the fundamental counting Principle. 3 hours of college credit can be earned.

Prerequisite: "B" in Pre-calculus/Trigonometry Honors or "A" in Algebra II Honors; 75% Math score on PLAN/Aspire, PSAT, or ACT; department recommendation

AP Calculus AB 1 Cr. 1202310 Grades 11-12

This course consists of a full academic year of rigorous college-level work. Students taking AP Calculus should have demonstrated mastery of material from high school mathematics, including Algebra I, Geometry, Algebra II, and Pre-calculus. Technology (graphing calculator required for this course) will be used regularly to reinforce relationships among functions, confirm written work, implement experimentation, and interpret results. Topics include functions, graphs, limits, continuity, derivatives and their applications, integrals and applications. Summer work may be required. *College credit depends on exam results.*

Prerequisites: "B" in Pre-Calculus/Trigonometry Honors, 85% Math score on PLAN/Aspire, PSAT, or ACT; department approval

Statistics 1 Cr. 1210300 Grades 11-12

Students taking Statistics should have demonstrated a mastery of material from high school mathematics through Algebra II. This course will focus on the areas of exploring data, describing patterns and departures from patterns, sampling and experimentation, planning and conducting a study, anticipating patterns, exploring random phenomena using probability and simulation, and statistical inference in estimating population parameters and testing hypothesis. Technology (graphing calculator required for this course) will be used regularly to reinforce relationships among functions, confirm written work, implement experimentation, and interpret results. This course provides an excellent foundation for education, business, or science majors.

Prerequisites: "B" in Algebra II

Physical Education and Health

Physical Education/ Personal Fitness 1 Cr. Required 1501300 Grade 9

The purpose of this course is to gain an understanding of the basic principles of physical training, the influence of lifestyle on health and fitness and begin to develop an optimal level of personal fitness. The student will design his own personal fitness program along with learning how to set short and long term goals. The content will include safety practices, technology applications and assessment of physical and health-related fitness. Students will learn strategies and basic rules for several competitive sports.

Weight Training I 0.5 Cr. 1501340 Grades 9-12

This beginning course provides the principles and experiential methods of strength training to improve muscular strength, endurance, and flexibility, in addition to advanced techniques in strength training and development of exercise programs. The students will also apply leadership training towards national certification.

Weight Training II 0.5 Cr. 1501350 Grades 10-12

This intermediate course provides the principles and experiential methods of strength training to improve muscular strength, endurance, and flexibility. This course provides advanced techniques in strength training and development of exercise programs from Weight Training I. The students will also apply leadership training towards national certification.

Prerequisite: Weight Training I

Weight Training III 0.5 Cr. 1501360 Grades 10-12

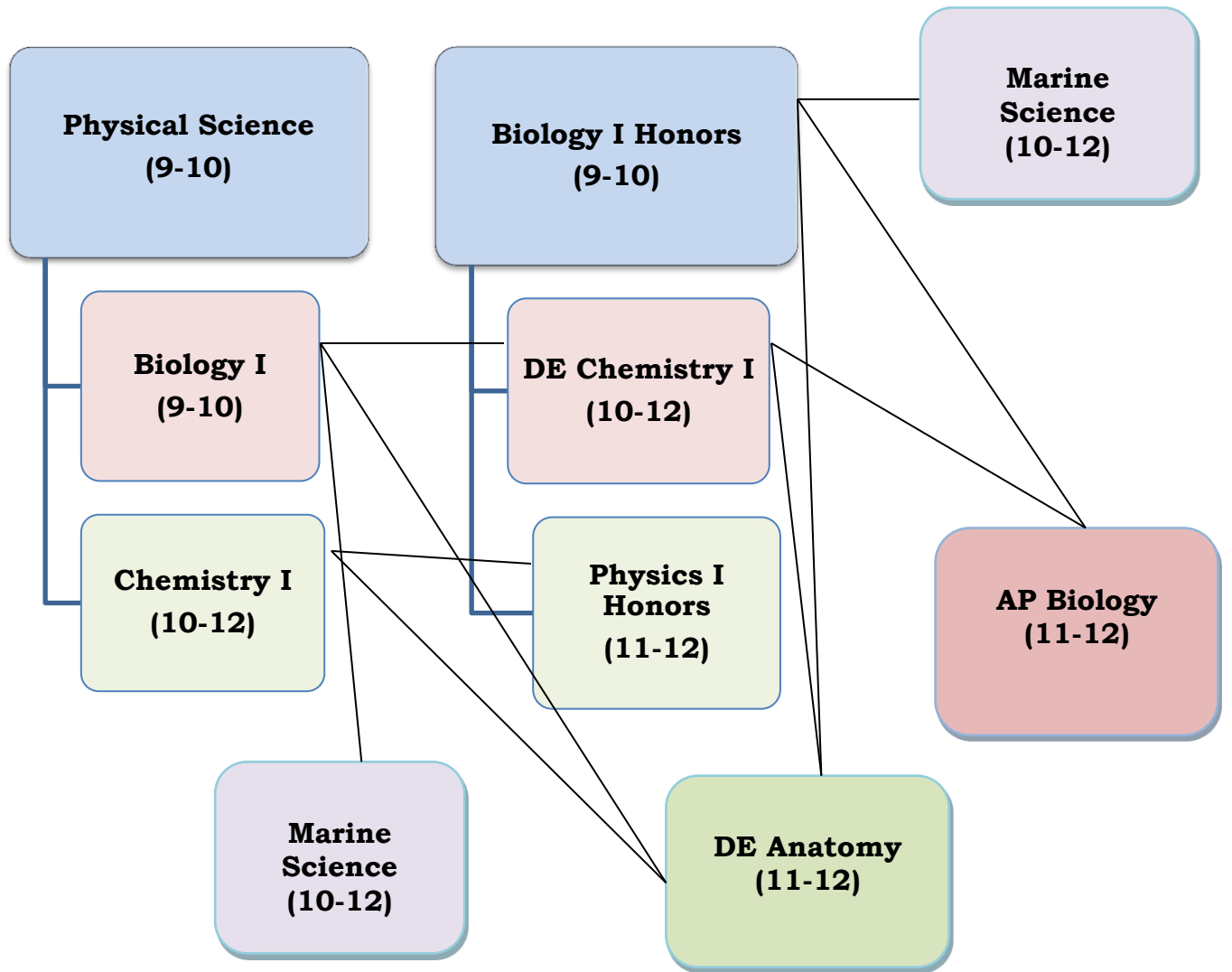
The purpose of this advanced course is to enable students to develop advanced knowledge and skills in weight training, further improve muscular strength and endurance, and further enhance self-image.

Prerequisite: Weight Training II

Team Sports 0.5 Cr. 1503350 Grades 10-12

The purpose of this course is to broaden the students experience and knowledge in a variety of sports such as basketball, volleyball, flag football, etc... Lead-up games and drills will be used to review and refine skills developed during the middle school years. The student will demonstrate knowledge of team strategies within a team setting, along with enjoying the benefits of improved fitness from the daily activity of the class.

Science Course Progression



Sciences

ALL COURSES ARE TAUGHT AS LAB CLASSES.

Physical Science 1 Cr. 2003310 Grades 9-10
This course is designed to give students a general overview of physics and chemistry. Students will be introduced to the scientific method and learn to perform basic measurement techniques. Topics will include motion analysis, forces, work, and energy. Students will also learn basic concepts in chemistry, including organization and use of the Periodic Table, matter and its various classifications, types of bonding, and other related topics. They will be introduced to laboratory techniques used later in Chemistry.

Biology I 1 Cr. Required 2000310 Grades 9-10
This is a survey course in cellular biology, genetics, taxonomy, microbiology, botany, zoology, ecology, and human anatomy. Classes consist of a mixture of lecture, discussion, and hands-on laboratory activities. This course lays the foundation for all upper level biological sciences, including ecology, marine bio, anatomy, and AP courses.

Biology I Honors 1 Cr. 2000320 Grades 9-10
This course provides a foundational, in-depth study of processes of life to expand and reinforce the students' understanding of cellular biology, biochemistry, Mendelian and cellular genetics including molecular basis of heredity and diversity, taxonomy, microbiology, biotechnologies, botany, zoology, ecology, and human anatomy. This course is foundational for all upper level biological sciences, including ecology, marine bio, and Advanced Placement sciences.
Prerequisites: "A" in 8th grade Hon. Science, department recommendation

Marine Science 1 Cr. 2002500 Grades 10-12
During this survey of the earth's ocean and estuaries, students will examine basic concepts in physical, chemical, geological and biological oceanography. A special emphasis will be placed on studying the interactions between coral, sea grass, and mangrove ecosystems in south Florida.
Prerequisite: Biology

DE Anatomy 1 Cr. 2000350 Grades 11-12
This course may be an elective, but is also a co-requisite or pre-requisite for students who will take AP Biology. This course is a balanced introduction to human anatomy and physiology. Topics will include but not be limited to: anatomical terminology, cells and tissues, systems of the body disease and inheritance. The lab component of this course complements and augments the descriptive material and will provide students with exploratory activities in structures and functions of the human body. 4 college credit hours can be earned.
Prerequisite: "B+" in Biology and "B" in Chemistry; department recommendation

AP Biology 1 Cr. 2000340 Grades 11-12
The AP Biology course is designed to be the equivalent of a college introductory biology course. The two goals of the course are to help students develop a conceptual framework for modern biology and an appreciation of science as a process and aims to provide the student with the factual knowledge, and analytical skills necessary to deal critically with the rapidly expanding world of biology. Laboratory experience is a major component of AP Biology. Summer work may be required. *College credit depends on exam results.*
Prerequisite: "A" in Biology honors, "B+" in Chemistry honors, department recommendation.

Chemistry I 1 Cr. 2003340 Grades 10-12
The purpose of this course is to study the composition, properties, and changes associated with matter and their applications. The content will include, but not be limited to the following fundamental principles such as: atomic structure, bonding, stoichiometry, gases, liquids, solids, solutions, acids and bases, and oxidation/reduction reactions. Also addressed will be the nature of science; matter: its classification, structure, and changes; atomic theory, the periodic table, dynamics of energy, the chemistry of life.
Prerequisite: Biology and completion of or concurrent with Algebra II

DE Chemistry I 1 Cr.**2003350****Grades 10-12**

This course is an introduction to the foundational concepts of chemistry, including: atomic structure, bonding, stoichiometry, nomenclature, kinetic theory, solutions, equilibrium, thermodynamics, acid-base chemistry, electrochemistry, organic and biochemistry, and nuclear chemistry. Classes consist of lectures, discussions, and laboratory activities.

5 college credit hours can be earned.

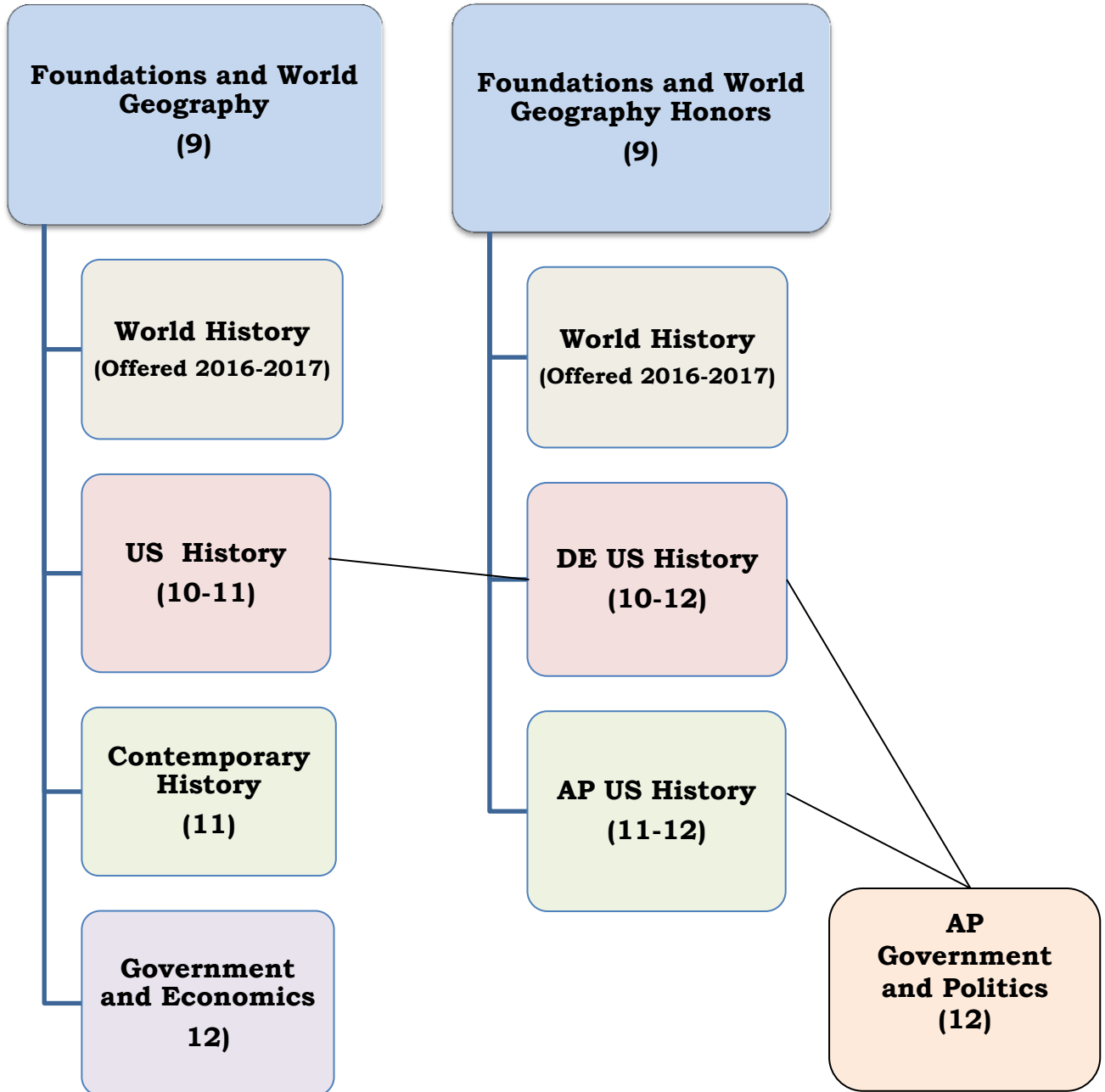
Prerequisite: "B" in Biology Honors or "A" in Biology; completion of or concurrent with Algebra II, department recommendation

Physics I Honors 1 Cr.**2003390****Grades 11-12**

This upper-level physics provides students with an introduction to the laws and theories that govern our universe, and the interaction of matter, energy and mechanical forces, with an emphasis on the mathematical theories and problem solving of physics. Topics will include kinematics, dynamics, energy work, heat, thermodynamics, wave properties, electricity and magnetism, light and nuclear physics with an emphasis on problem solving and laboratory technique. Laboratory work includes the scientific method, proper use of equipment and safety procedures for hands on physics experimentation.

Prerequisite: "A" in Chemistry or "B" in Chemistry Honors, "B+" in Algebra II; department recommendation.

Social Studies Course Progression



Social Studies

Foundations of American History 0.5 Cr. Required **Grade 9**

Students will read and investigate the amazing miracles and distinctive hand of God in the discovery, founding, and establishment of our country. Primary text books used will be Peter Marshall's *Light and Glory*.

Foundations of American History Honors 0.5 Cr. **Grade 9**

Students will read and investigate the amazing miracles and distinctive hand of God in the discovery, founding, and establishment of our country. Primary texts used will be Peter Marshall's *Light and Glory*, and *Sea to Shining Sea*. This is an advanced level course adding research and outside reading to the regular class requirements. *This course is a prerequisite for all DE/AP history and government courses. Beginning for the class of 2019 (9th grade)*

Prerequisite: "B" in US 8th Gr. Honors history

World Geography 0.5 Cr. Required 2103300 **Grade 9**

Students will learn the geographical characteristics, area relationships, and major problems of the world's diverse regions. The underlying theme is to explain how and why geographic factors create global contrasts. Special emphasis will be placed on how the world has become more interdependent as complex economic systems have evolved with regional specialization.

World Geography Honors 0.5 Cr. 2103300 **Grade 9**

Students will learn the geographical characteristics, area relationships, and major problems of the world's diverse regions. The underlying theme is to explain how and why geographic factors create global contrasts. Emphasis will be placed on how the world has become more interdependent as complex economic systems have evolved with regional specialization. This course adds significant research and reading to the regular Geography course content. *This course is a prerequisite for all DE/AP history and government courses.*

Prerequisite: "B" in US 8th Gr. Honors

U.S. History 1 Cr. Required 2100310 **Grades 10-11**

Students will examine events, people, places, culture, and historical themes from the discovery of America to the present. The main events will provide the framework to examine political, intellectual, military, economic, and social development. The uniqueness of American government, the Constitution, and the development of the free enterprise system will be investigated. Although the emphasis will be on the post-Reconstruction period, outside reading will provide an in-depth look at the Colonial period and the Revolutionary War. The Civil War will be presented as the ultimate test of the ideals of America.

Prerequisite: World History

Contemporary History 1 Cr. 2109350 **Grade 11**

This course exposes students to socio-political trends and events in US history from 1900 to the present. Students begin with World War I, going into the Great Depression and the New Deal, followed by World War II and the start of the Cold War. Second semester investigates social movements and civil rights, as well as Vietnam, the Nixon era, concluding with post-9/11 discussion.

Prerequisite: United States History

DE U.S. History 1 Cr. (AMH2010, AMH2020, BC) **Grades 10-12**

This college level course is an advanced U.S. History course which will add significant research and outside reading to the regular U. S. course requirements. Your grade in this course may become part of your college GPA. College credit is earned with a grade of C or higher. Summer work may be required. 3 college credit hours can be earned.

Prerequisites: "B" honors or "A" in regular history; 80% Reading score on PLAN/Aspire, Explore, SAT or ACT; department recommendation

AP U.S. History 1 Cr. 2100330 Grades 11-12

This challenging college course is in addition to the general U. S. History course objectives stated above. It will examine the progression of the political, economic, diplomatic, social, and cultural history of the United States. The content will include the following: review of U.S. history prior to 1877; time-space relationships; significant events and trends in the development of the United States' culture and institutions; impact of expansion on the United States; the changing role of the U.S. Constitution; political, social, and economic conflicts and solutions; technological and urban transformation of the United States; changes in lifestyles of the United States citizens; changes in United States foreign policy from regional to global; cyclical characteristics of the United States economic development; and contemporary issues that affect the United States. Summer work may be required. *College credit depends on AP exam results.*

Prerequisites: "A" in honors history; 85% Reading score on PLAN/Aspire, Explore, SAT or ACT; department recommendation

American Government 0.5 Cr Required 2106310 Grade 12

This course will give an historical perspective of the phases of government through an analysis of all branches of American government and the Constitution. A strong scriptural foundation for law and government and the influence of Christianity in early America will set the stage for a comprehensive analysis of the free market economy, governmental policy, and taxation. Cultural aspects to include interest groups, mass media, and American political behavior will be studied to further prepare our students to be discerning Christian leaders and citizens.

American Government Honors 0.5 Cr. 2106320 Grade 12

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Prerequisite: "B" in DE U.S. or in AP U.S., or "A" in regular US History

AP American Government and Politics 1Cr. 2106420 Grade 12

This course will give historical perspective to the study of American Government and politics. The college level of instruction will emphasize Constitutional underpinnings, political beliefs and behaviors, political parties, interest groups and mass media, institutions of National Government, public policy, civil rights and liberties. Discussion, debate and essay writing will reflect significant outside reading, research and analysis. Summer reading may be required. *College credit depends on AP exam results.*

Prerequisite: "B" in DE or AP U.S., 80% Reading score on PSAT, or ACT; application process

Economics 0.5 Cr. Required 2102310 Grade 12

This course is designed to describe the basic characteristics of the American economic system, develop an understanding of the economic principles that influence business decisions, and analyze the roles of governments and individuals in a capitalist economy. Students will also understand the need for ethical standards for business leaders, producers, and consumers. Scriptural principles and biblical economics are emphasized throughout the course content.

Economics Honors 0.5 Cr. 2102320 Grade 12

This course is an advanced economics course which will add significant research and outside reading to the regular class load. This course is designed to describe the basic characteristics of the American economic system, develop an understanding of the economic principles that influence business decisions, and analyze the roles of governments and individuals in a capitalist economy.

Prerequisite: "B" in any DE or AP history or "A" in U.S. History; department recommendation

Technology and Business

Computer Applications 0.5 Cr. Required for class of 2019 0200310 Grades 9-12

Students will review and expand on the basics of word processing, spreadsheets, and presentations. The class will place an emphasis on developing proficiency with computer applications to be used as communication tools for enhancing personal and professional skills in an information-based society.

Computing for College 0.5 Cr. 8209020 Grades 10-12

The purpose of this course is to prepare students for the technology world they will face in college. The class will utilize many of the virtual tools used on college campuses today, while showing students how to use productivity software for real life needs such as research, college term papers, presentations, statistical analysis, etc.

Computer Graphics A/B 0.5 Cr./0.5 Cr. 0103300 Grades 10-12

Computer Graphics A is an introductory course that will familiarize students with the editing capabilities of Adobe Photoshop and Adobe Illustrator. Students will learn how to use the Adobe Photoshop and Illustrator interface and access its numerous set of features. Lessons cover the basics of saving and storing image files and defining the various processes used for image editing. Computer Graphics B is an advanced course that will allow students to gain a more in depth understanding of Photoshop and Illustrator and the practical uses of these software programs in professions such as advertising, marketing, and graphic design. Students will turn out professional-looking graphics through extensive practical exercises. They will become fluent in the creation of line art, logos, vector graphics and page layout.

Prerequisite: Teacher Recommendation

Accounting 1 Cr. 8203400 Grades 11 - 12

This course creates an understanding of bookkeeping in various business models. Basic financial record keeping processes and principles are covered, and the course is taught both through lecture and practice of record keeping scenarios. This course would be beneficial for any student intending to enter the business field.

Prerequisite: Algebra 1

Personal Finance 0.5 Cr. 8500120 Grades 11 - 12

This elective class will give you the way to set up your own bank account, to buy a car, to take out a student loan, to learn about the stock market, to build your personal budget, and how to set up and balance your checking account. There will be hands-on practical activities to allow students to gain familiarity with many areas you will need as you move on to college. Students will be exposed to business professionals and leave the course with excellent start-up knowledge on many aspects of personal finance.