

High School Curriculum Maps

SCIENCE

	Standard	Honors	AP/ Elective
9 th grade	Earth & Space Science	H-Earth & Space	
10 th grade	Biology	H-Biology	AP Environmental Science
11 th grade	Chemistry	H-Chemistry	AP Biology
12 th grade	Physics or Human Anatomy & Physiology	H-Physics or H-Human Anatomy & Physiology	AP Chemistry

SOCIAL STUDIES

	Standard	Honors	AP/ Elective
9 th grade	World History	H-World History	
10 th grade	US History	H-US History	AP US History (can substitute for standard)
11 th grade	Psychology	H-Psychology	AP European History
12 th grade	Civics	H-Civics	

MATH

	Standard	Honors	AP/ Elective
9 th grade	Algebra-1	H-Geometry	
10 th grade	Geometry	H-Algebra-2	
11 th grade	Algebra-2	H-Pre-Calculus	
12 th grade	Pre-Calculus	AP Calculus-AB	*College Prep Math *AP Statistics ***AP Calculus-BC

*any elective can replace standard Pre-Calc

**AP Calc-AB is prerequisite for AP Calc-BC

ENGLISH

	Standard	Honors	AP/ Elective
9 th grade	English-9	H-English-9	
10 th grade	English-10	H-English-10	
11 th grade	American Literature	H-American Lit	AP Eng Language & Composition (can substitute for standard)
12 th grade	British Literature	H-British Lit	AP Eng Literature & Composition (can substitute for standard)

BIBLE

	Standard
9 th grade	Mastering Bible Study Skills
10 th grade	Old Testament Survey – Journeying with God
11 th grade	Acts, Romans, and the Letters of Paul
12 th grade	Timeless Truth: Apologetics

*Trinity Christian School integrates Biblical truth
and an appreciation for God's creation in each subject.
Our teachers strive to assist students in their spiritual growth
while attaining mastery of course objectives.*

SCIENCE COURSE DESCRIPTIONS

Earth and Space Science

Earth and Space Science discusses topics including astronomy, plate tectonics, minerals/rocks/structures, surface processes, winds/oceans/weather/climate, natural resources, and earth system changes. This course includes a lab component.

Biology

Biology discusses topics involving living organisms, including cell structure and types, biochemical pathways, major body systems, and genetics. This course includes a lab component.

Chemistry

Chemistry is the study of matter, its composition and the changes it undergoes. Students engage in investigations and labs to support the concepts learned during lectures and discussions.

Physics

As a college-preparatory course, physics involves the study of nature's universal laws which God has set into motion. The course emphasizes problem-solving as the areas of kinetics, dynamics, waves, light, sound, and electricity are discussed.

Human Anatomy and Physiology

HA-P is an advanced course that is an elective designed for those students wanting a deeper understanding of the structure and function of the human body. The body will be viewed as a whole using anatomical terminology necessary to describe location. Focus will be given at both macro and micro levels reviewing cellular functions, biochemical processes, tissue interactions, organ systems and the interaction of those systems as it relates to the human organism.

Advanced Placement[®] Environmental Science

AP Environmental Science is a college-level course helping students to identify and analyze both natural and human-induced environmental problems. The students must be prepared to work outdoors for many of the labs. AP Environmental Science is an applied science course. Therefore, it is designed to provide students with the scientific principles, concepts, and methodologies of the natural world and draws from various scientific disciplines – including biology, earth and atmospheric sciences, fundamental principles of chemistry and physics, population dynamics, and an appreciation for biological and natural resources. Students must take the AP Environmental Science exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

Advanced Placement[®] Biology

AP Biology is a college-level course studying the following: Biochemistry and Introduction to the Cell, Cellular Energy and Related Processes, Cell Communication and the Cell Cycle, the Genetic Basis of Life, Gene Activity and Biotechnology, Evolution and Phylogeny, Organism Form and Function, and Ecology. Student-directed laboratory investigations are a major component of the course. Students must take the AP Biology exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

Advanced Placement[®] Chemistry

AP Chemistry is a college-level course studying the structure of matter, the states of matter, reactions, and descriptive chemistry with a lab component. Students must take the AP Chemistry exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

SOCIAL STUDIES COURSE DESCRIPTIONS

World History

This course is designed for students to develop an understanding of the development of social, economic and political structures in the world, beginning with pre-history civilizations and ancient river civilizations through the environment of 18th and 19th century civilizations. Students engage the content through a variety of media, projects, writing assignments and lectures.

US History

This course covers American history beginning with the Native Americans and the British colonies, exploring the Americas, Colonial America, and the American Revolution. It continues through the establishment of the United States, growth and expansion, the Civil War, the Industrial Age, and World Wars I and II. The course covers recent history including the Cold War, civil rights, and more through current day events.

Psychology

This course is designed to introduce student to the biological and theoretical foundations of psychology. Students are encouraged to develop analytical skills, conduct research, investigate the mind-body connection, analyze concepts of consciousness, evaluate theories of personality, develop an understanding of psychological disorders, evaluate the role and effectiveness of treatments and analyze theories of intelligence. Student will be expected to demonstrate their understanding of psychology through various projects, case studies, discussions and assignments.

Civics

This course is designed for students to gain important skills and knowledge necessary to be a responsible citizen. Students learn about the practices and branches of government, civil rights and responsibilities of citizenship, financial literacy and global awareness. Students engage the content through a variety of media, projects, writing assignments and lectures. This course places a strong emphasis on the rights given to us as Christians and how those rights have been challenged over time.

Advanced Placement® European History

AP European History is a college level course that develops an understanding of the main themes in modern European history, including political and diplomatic, intellectual and cultural, and social and economic history. Analyzing historical evidence and reading critical literary narratives is integrated into the chronologically ordered whole picture of the modern history of Europe. Using a college-level textbook, this course begins with the Renaissance and concludes with the demise of communism in Eastern Europe, the reunification of Germany, and the crisis of global terrorism. Students must take the AP European History exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

Advanced Placement® US History

AP US History is a college level course that provides students with a comprehensive overview of US history while focusing on developing students' abilities to think conceptually about US history from before European contact to the present and apply historical reasoning skills as they learn about the past. Seven themes of equal importance along with ideas, beliefs and culture provide areas of historical inquiry for investigation throughout the course. These require students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. Extensive reading, writing, and study skills useful in college will be emphasized. Students must take the AP US History exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

MATH COURSE DESCRIPTIONS

Algebra-1

This area of study introduces the fundamental concepts of algebra. Concepts included are evaluation of expressions, properties, solutions of equations, graphing, factoring, and operations with radicals.

Geometry

Geometry includes the representation of problem situations with geometric models and the classifications and application of figures in terms of properties and relationships. It reinforces previously learned algebraic skills and develops logic and deductive and inductive reasoning skills.

Algebra-2

The first semester of Algebra 2 reviews and expands concepts learned for graphing and solving linear and quadratic equations and complex numbers, and matrix operations. Second semester the focus shifts to a more advanced look at radical, exponential, rational, and logarithmic equations and functions. A graphing calculator is used throughout the year to build concepts and expand understanding of the material.

Pre-Calculus with Trigonometry

This course introduces the foundations of analysis designed to precede the calculus sequence with emphasis on functions and graphs. Topics include properties of absolute value, polynomial, rational, exponential, logarithmic and trigonometric functions, techniques for solving equations and inequalities, and an introduction to the concept of limits. The use of graphing calculators is encouraged.

College Preparatory Math

College Prep Math is offered to prepare seniors for their entry-level credit-bearing liberal studies mathematics course at the postsecondary level. This course will solidify quantitative literacy by enhancing numeracy and problem solving skills through investigations and use of the fundamental concepts of algebra and geometry, as well as introductory trigonometry, statistics, and probability. College Prep Math will also address test-taking strategies for college entrance examinations.

Advanced Placement[®] Calculus AB

AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to use technology, to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students must take the AP Calculus AB exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

Advanced Placement[®] Calculus BC

AP Calculus BC is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topic of sequences and series. The AP course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. Students must take the AP Calculus BC exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

Advanced Placement[®] Statistics

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Students must take the AP Statistics exam administered in May. It is the student's responsibility to determine whether or not the college(s) they are applying to accept AP credit.

ENGLISH COURSE DESCRIPTIONS

English-9

English 9 is a combination of language arts and literature. This course concentrates on the fundamental language skills of reading, writing, conventions of written and oral language, research, and vocabulary in an effort to build a foundation for student success. Students refine reading comprehension skills through the study of fiction, literary nonfiction, poetry, drama, and informational text. Students write for varied audiences and purposes and work to develop ideas, voice, word choice, fluency, and organization in their writing while applying conventions of the English language.

English-10

English 10 requires students to think deeply and richly about both fiction and nonfiction. This course offers a blend of classic and contemporary works from authors of diverse backgrounds. Students refine reading comprehension skills through the study of fiction, literary nonfiction, poetry, drama, rhetoric, and informational text. This course concentrates on the fundamental language skills of reading, writing, conventions of written and oral language, research, and vocabulary in an effort to build a foundation for student success. Students write for varied audiences and purposes and work to develop ideas, voice, word choice, fluency, and organization in their writing while applying conventions of the English language.

American Literature

Literature study includes reading, analyzing, and discussing various literary forms by American authors from the Early Native American era to the 20th century. Skills of effective writing and close reading are constantly emphasized and practiced. Grammar and vocabulary studies complete the course. Students write for varied audiences and purposes and in many different forms to display knowledge of American Literature and to show evidence of analytical thinking and writing.

British Literature

Literature study includes reading, analyzing, and discussing various literary forms by British authors from the Anglo-Saxon time period to the 20th century. Skills of effective writing and close reading are constantly emphasized and practiced. Grammar and vocabulary studies complete the course. Students write for varied audiences and purposes and in many different forms to display knowledge of British Literature and to show evidence of analytical thinking and writing.

Advanced Placement[®] English Language and Composition

“An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of rhetorical context, and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer’s purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing.” (AP English Course Description, College Board) Students must take the AP English Language exam at the conclusion of the course. It is the student’s responsibility to determine whether or not the college(s) he/she is applying to accept AP credit.

Advanced Placement[®] English Literature and Composition

As indicated in the AP English Course Description, the focus of this class is to “engage students in the careful reading and critical analysis of imaginative literature” (45). A goal of this course is to develop students’ ability to think, to read any literature, to discuss any idea, to write persuasively and creatively on any topic. Careful study of style, structure, theme, and literary terminology will provide a framework for critical reading that provides both meaning and pleasure. Students must take the AP English Literature exam at the conclusion of the course. It is the student’s responsibility to determine whether or not the college (s) he/she is applying to accept AP credit.

BIBLE COURSE DESCRIPTIONS

Bible-9: Mastering Bible Skills

This course seeks to assist our students in developing into mature disciples of Christ by teaching them to correctly handle the Word of God. The students learn, through instruction and practice, how to read the Bible knowledgeably, interpret it accurately and apply it appropriately. Students apply what they have learned as they study Acts and the Letters of Paul; a journey through the life and ministry of the Apostle Paul as told by Luke in the Book of Acts and all of Paul's letters.

Bible 10: Old Testament Survey – Journeying with God

This class is intended to give high school students an overview of each of the 39 books within the Old Testament. The course is structured to provide basic information about each of the books as students are guided through exercises, discussions, and enrichment activities. A strong emphasis in this course is helping students visualize the larger perspective of how God has worked through His people to carry out His plan of salvation.

Bible 11: Acts, Romans and the Letters of Paul

This class is intended to give high school students an introduction to concepts and theologies from within Acts, Romans, and the Pauline Letters. Students will learn to identify the historical and cultural context of these New Testament books, which will include learning such important concepts as chronology, geography, and culture. Students will also focus on the following major theological components: the Triune God, Salvation, The Church, Discipleship, and Eternity.

Bible 12: Timeless Truth – Apologetics

This course is designed to introduce students to the kind of biblical truth that deals with life and its meaning. The overall purpose in introducing students to this truth is that they will become thoroughly equipped with tools and resources that allow them to defend the truth as it is revealed in the Word of God. Ultimately, this will allow them to introduce others to the reliability, authenticity, and authority of the Bible which serves as the fulfillment of God's calling on their life to spread His Word.

Graduation Requirements

TCS requires the following credits for graduation:

1. Bible (1 credit per year at Trinity) 4 credits
2. English 4 credits
3. Math 4 credits
 - a. Algebra I
 - b. Geometry
 - c. Algebra II
 - d. One level above Algebra II
4. Social Studies 4 credits
 - a. World Studies to 1900 (9th grade)
 - b. United States History (10th grade)
 - i. US History to 1900 (class of 2019)
 - ii. US History - modern (class of 2019)
 - c. Approved history course as offered or AP history alternative (11th grade) beginning with class of 2020
 - d. Civics (12th grade)

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| 5. Science | 4 credits |
| a. Earth and Space Science and lab | |
| b. Biology and lab | |
| c. Chemistry and lab | |
| d. One additional Science | |
| 6. Fine Arts | 1 credit |
| 7. Foreign Language (same language) | 2 credits |
| 8. Health | 1 credit |
| 9. Physical Education | 1 credit |
| 10. Electives | 3 credits |

Along with credit hours, students are required 40 hours of Community Service per year at Trinity.

*Students entering Trinity Christian School after their freshman year may have a modified graduation plan developed by the Administration.

Fine Arts Offerings (2018-2019)

Studio Art I
 Studio Art II
 Art III
 Art IV
 Independent Art Study
 Photography
 Graphic Design
 Concert Band
 Chorus
 Drama

Foreign Language Offerings (2018-2019)

Spanish I
 Spanish II
 Spanish III
 Spanish IV

Other Course Offerings (2018-2019)

Sports Management
 Business
 Yearbook

Additional courses offered online.

Dual credit available through Access/WVU