

**Trinity Christian School
160 Changebridge Road
Montville, NJ 07045**



**Secondary Curriculum Guide
2020-2021**

TABLE OF CONTENTS

INTRODUCTION	1
HIGH SCHOOL GRADUATION REQUIREMENTS	2
WEIGHTED GRADE SCALE	2
HONOR ROLL	2
SECONDARY COURSE SELECTION SUMMARY	3
COURSE DESIGNATIONS	4
Honors Option	4
Honors	4
Advanced Placement	4
SUGGESTED COURSE OF STUDY FOR COMPETITIVE COLLEGES	5
COURSE DESCRIPTIONS	6
BIBLE	6
Ethics	6
Old Testament Survey	6
New Testament Survey	6
Church History	6
Bible Doctrine	7
Comparative Worldviews	7
TECHNOLOGY	7
Computer I	7
Computer II	7
Computer Science	8
ENGLISH	8
English 7	8
English 8	8
American Literature (Honors Option)	9
Writing Lab	9
British Literature (Honors Option)	9
Great Books I Honors	9
Great Books II Honors	10
FINE ARTS	10
Art 7 / Art 8	10
High School Art	10
FOREIGN LANGUAGE	11
Latin 7	11
Introduction to Spanish	11
Spanish I	11
Spanish II	12
Spanish III	12
Spanish III Honors	12
Advanced Placement Spanish	12
HISTORY	13
World History I	13
World History II	13

TABLE OF CONTENTS

US History I (Honors Option)	13
US History II (Honors Option)	14
Western Thought I Honors	14
Western Thought II Honors	14
LOGIC	15
Logic I	15
Logic II	15
MATHEMATICS	16
Pre-Algebra	16
Algebra I	16
Algebra I Honors	16
Geometry	17
Geometry Honors	17
Algebra II	17
Algebra II Honors	17
Advanced Math	18
Pre-Calculus Honors	18
Discrete Math	18
AP Calculus	18
PHYSICAL EDUCATION	19
PUBLIC SPEAKING	19
RHETORIC	19
Rhetoric I	19
Rhetoric II (Senior Thesis)	19
SCIENCE	20
Health	20
Earth Science	20
Physical Science	20
Biology with Lab (Honors Option)	21
Chemistry with Lab (Honors Option)	21
Physics with Lab (Honors Option)	21
Human Anatomy & Physiology with Lab (Honors Option)	22
STUDY AND COMMUNICATION SKILLS	22
YEARBOOK	22
EXTRACURRICULAR ACTIVITIES	23
ATHLETICS	23
CLUBS	23
STUDENT COUNCIL	23
NATIONAL HONOR SOCIETY	23

Secondary Curriculum Guide 2020-2021

INTRODUCTION

Trinity Christian School seeks to honor God by providing a Biblically based, academically excellent, classical education in partnership with Christian parents. In order for students to gain the most from their TCS secondary experience we urge students and parents to work together as they plan an appropriate course of study, seeking guidance from teachers and counselors when questions arise.

As you examine the course selections in this guide, please consider not only short-term needs and desires but also long term goals. Bear in mind that high school course selection and performance in those courses is extremely important when applying to college. This includes electives and extra-curricular activities. While students will want to match their ability level to the correct course, it is also important to note that students who are applying to competitive colleges and/or are hoping to earn scholarships will need to demonstrate that they took full advantage of what their high school had to offer. Merely taking the minimum requirements, even if a student does well, will not necessarily impress those who make admission and scholarship decisions. So please consider the following information carefully.

HIGH SCHOOL GRADUATION REQUIREMENTS

20 credits of English – 5 credits each year
 10 credits of United States History
 10 credits of Western Thought
 20 credits of Mathematics
 18 credits of Science
 10 credits of Foreign Language
 8 credits of Bible
 4 credits of Electives (Art, American Sign Language, Computer Science, Yearbook)
 10 credits of Classics (Logic and Rhetoric)
 Physical Education each year of enrollment
 Health each year of enrollment
 Weekly Chapel attendance

WEIGHTED GRADE SCALE

WEIGHTED GRADE SCALE					
		CP	H	AP	
A+	97-100	4.3	4.8	5.3	P Pass (Pass/Fail)
A	93-96	4.0	4.5	5.0	F Failure(Pass/Fail)
A-	90-92	3.7	4.2	4.7	
B+	87-89	3.3	3.8	4.3	I Incomplete
B	83-86	3.0	3.5	4.0	W Withdrawn
B-	80-82	2.7	3.2	3.7	WF Withdrawn Failure
C+	77-79	2.3	2.8	3.3	
C	73-76	2.0	2.5	3.0	
C-	70-72	1.7	2.2	2.7	
D+	67-69	1.3	1.3	1.3	CP = College Prep
D	63-66	1.0	1.0	1.0	H = Honors
D-	60-62	0.7	0.7	0.7	AP = Advanced Placement
F	0-59	0.0	0.0	0.0	

HONOR ROLL

A student must attain a grade point average of 4.0 or higher to be on the high honor roll. A grade point average of 3.5 to 3.99 will place a student on the honor roll.

A grade of “D”, “F” or Incomplete in any course automatically excludes a student from consideration for both honor rolls.

SECONDARY COURSE SELECTION SUMMARY

Grade	Course Name	Credits	Grade	Course Name	Credits	Grade	Course Name	Credits
7	English 7 Honors	5	9	American Literature (Honors Option)	5	11	Great Books I Honors	5
	Earth Science	5		Biology with Lab (Honors Option)	6		Physics with Lab (Honors Option) OR	6
	Pre-Algebra	5		Geometry Honors	5		Human Anatomy & Physiology with Lab (offered during 12 th grade only)	
	World History I	5		OR Geometry			Pre-Calculus Honors	5
	Latin 7	4		US History I (Honors Option)	5		OR Advanced Math	
	Bible - Ethics	2		Spanish I	5		Western Thought I Honors	5
	Computers 1	2		Bible – Old Testament*	2		Bible – Church History*	2
	Study Skills	2		Writing Lab	2		Spanish III Honors OR Spanish III	5
	Art	1		Physical Education	1		Logic II	2
	Physical Education	2		Health Education	.5		Physical Education	1
	Health Education	.5		HS Req'd Elective	1		Health Education	.5
				HS Req'd Elective	1			
	TOTAL CREDITS	33.5		TOTAL CREDITS	32.5		TOTAL CREDITS	32.5
8	English 8 Honors	5	10	British Literature (Honors Option)	5	12	Great Books II Honors	5
	Physical Science	5		Chemistry with Lab (Honors Option)	6		AP Calculus OR Discrete Math	5
	Algebra I Honors OR Alg 1	5		Algebra II Honors	5		Western Thought II Honors	5
	World History II	5		OR Algebra II			Bible – Comparative Worldviews	2
	Introduction to Spanish	4		US History II (Honors Option)	5		Rhetoric II - Senior Thesis	5
	Bible – Old Testament*	2		Spanish II	5		Physical Education	1
	Computers 2	2		Bible – Church History*	2		Health Education	.5
	Logic I	2		Rhetoric I	3		**Science Requirement	
	Art	1		Physical Education	1		HS Req'd Elective	1
	Physical Education	2		Health Education	.5		<i>NOTE: See below for Senior optional specific electives</i>	
	Health Education	.5		HS Req'd Elective	1			
				TOTAL CREDITS	33.5		TOTAL CREDITS	24.5+

NOTE: Weekly Chapel Attendance Required

* Bible courses are offered alternating years. Old Testament and Church History will be taught 2020-2021; New Testament and Bible Doctrine are being taught 2021-2022.

There is a 3-year Science requirement. Anatomy & Physiology is either a 4th year Science **elective for those students completing the prior 3 years of Science or a requirement for those who opt out of Science their Junior Year.

High School Required Electives
(Minimum of 1 per year)

Art (1 credit)
American Sign Language (1 credit)
Computer Science (2 credits)
Yearbook (2 credits)

12th Grade Specific Elective

AP Spanish (5 credits) (Honors Option)
Human Anatomy & Physiology
with Lab (6 credits) (Honors Option)

Secondary Clubs

Handbells
Orchestra

COURSE DESIGNATIONS

Honors Option

All high school courses at TCS are considered college preparatory courses; however, an Honors Option is available for some courses. Students who have achieved a final grade of 87 or higher in the previous non-honors course within the discipline, or who are recommended by their teacher, may choose the Honors Option. Students must receive a final average of 80 or higher in their Honors Option course, or be recommended by their teacher in order to take advantage of this option in subsequent years. Honors Option students should expect more work outside the classroom as well as additional requirements on tests.

Honors

Some courses are designated Honors courses. Students should expect content and a workload commensurate with such a designation.

Advanced Placement

AP classes are designed to be the equivalent of a freshman level college course. There are no homework limits. Students taking these classes should be eager to learn and ready to work hard both in and out of the classroom. AP students will be required to take an AP exam in May; there is a cost associated with this exam.

SUGGESTED COURSE OF STUDY FOR COMPETITIVE COLLEGES

Grade 9

American Literature Honors and Writing Lab
US History I (Honors Option)
Geometry Honors
Biology with Lab (Honors Option)
Spanish I
New Testament or Old Testament
Physical Education and Fine Arts Requirements
Health
Additional Elective(s)

Grade 10

British Literature Honors
US History II (Honors Option)
Algebra II Honors
Chemistry with Lab (Honors Option)
Spanish II
Rhetoric I
Church History or Bible Doctrine
Physical Education and Fine Arts Requirements
Health
Additional Elective(s)

Grade 11

Great Books I Honors
Western Thought I Honors
Pre-Calculus Honors
Physics with Lab (Honors Option)
Spanish III
Logic II
Bible Doctrine or Church History
Physical Education and Fine Arts Requirements
Health
Additional Elective(s)

Grade 12

Great Books II Honors
Western Thought II Honors
AP Calculus
Anatomy & Physiology with Lab (Honors Option)
AP Spanish
Rhetoric II
Comparative Worldviews
Physical Education and Fine Arts Requirements
Health
Additional Elective(s)

COURSE DESCRIPTIONS

BIBLE

Ethics

2 credits – Grade 7

This course is an introduction to Ethics, the study of standards of moral conduct and moral judgment. These standards must be based on the word of God, not worldly or human wisdom, therefore class time is spent immersed in the Scriptures. Special attention is given to the first chapters of Genesis, where God establishes ethical “norms” such as marriage and work, and on the Ten Commandments. Students also learn the vital place of Jesus Christ in Ethics—that He is Judge, Redeemer, Example and Strength, apart from whom even the simplest of God’s commandments cannot be kept.

Old Testament Survey (offered alternate years)

2 credits – Grade 8, 9

This is a survey course that seeks to demonstrate the relevance of each of the thirty-nine books of the Old Testament to redemptive history. Lectures will emphasize the covenantal structure of Old Testament history and its relationship to the New Testament, as well as its practical wisdom for godly living. Students will read large portions of the Old Testament, memorizing theme verses and applications for each book. Students will begin to develop critical thinking and composition skills as they write a brief paper during each quarter.

New Testament Survey (offered alternate years)

2 credits – Grade 8, 9

This course guides students through all 27 of the New Testament books, covering aspects such as authorship, historical context, and key doctrines and teachings. Material will be covered by reading the entirety of the New Testament, with lectures and discussions to cover key people and themes. Students will also memorize theme verses associated with each book and develop critical thinking and composition skills by writing a brief paper each quarter.

Church History (offered alternate years)

2 credits – Grade 10, 11

This course is a one year study of the founding and development of the Christian Church. It will begin with a look at the background and inception of the Apostolic Church. Other topics covered will be the Church Fathers, early challenges and heresies that confronted the Church, The Church in the Middle Ages, and the Protestant Reformation.

Bible Doctrine (offered alternate years)

2 credits – Grades 10, 11

This is a foundational study of basic Christian doctrine (Christian Beliefs by Wayne Grudem) that explores the faithful application of these truths for life. The course will incorporate an apologetics element that reviews and answers contemporary ideas and positions contrary to biblical Christianity, cultivating the scriptural injunction to: “. . . *sanctify the Lord God in your hearts, and always be ready to give a defense to everyone who asks you a reason for the hope that is in you, with meekness and fear*” 1 Peter 3:15.

Comparative Worldviews

2 credits – Grades 12

This course is designed to present the Biblical Christian worldview in contrast to the humanist worldviews of Secular Humanism, Marxism/Leninism, New-Age Humanism and Post-modernism, and the theistic worldview of Islam. Using a curriculum called *Understanding the Times*, the course surveys essential areas of study: theology, philosophy, ethics, psychology, sociology, politics, economics, and history. The intent of this course is to provide the tools with which students can shape their own worldview biblically. The supremacy of Christ and the Christian worldview is presented as the point of integration for all areas of knowledge (Col. 2:3-4). Students will become increasingly aware of the lost condition of those without Christ and be better equipped not only to communicate God’s truth, but to recognize and evaluate the many deceptive voices they hear in the world around them.

TECHNOLOGY

Computer I

2 credits – Grade 7

During the first half the year, students will work towards the goal to touch type at least 40 words per minute. The *EduTyping* web-based keyboarding software is used and includes individual lessons, key drills, and timed tests. Focus shifts during the third quarter to introduce students to word processing.

Computer II

2 credits – Grade 8

This class will teach students computer skills that are necessary to be successful in school, in the workplace, and in life. Topics include word processing, spreadsheets, and presentation software. Obtaining these skills will give students confidence to create professional written reports, oral reports, and graphics. It will also teach them how to organize and manage information in a way that is useful and relevant.

Computer Science - Elective

2 credits – Grade 9-12

This class is designed to offer an introduction to computer science. Students will learn the basics of computer programming along with other central elements of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex programs. It prepares students for further study including AP Computer Science Principles and AP Computer Science A courses.

ENGLISH

English 7

5 credits – Grade 7

This course is designed to provide students with an overview of different marks, modes, and forms of literature. Students will learn to analyze the important elements of literature. Students will also learn to respond to the literature biblically and thoughtfully through regular classroom discussions and writing assignments. These assignments will also hone essential writing skills. (*See Study Skills for introduction to research and more on writing skills.*) As a supplement, students will continue to develop English grammar skills through daily exercises. There will be weekly spelling and vocabulary assignments to give each student a greater grasp of our language. In addition, students will memorize and recite several selections of poetry each marking period in order to foster an appreciation for the beauty of language and develop their public speaking skills.

English 8

5 credits – Grade 8

This course is designed to provide students with an overview of different basic aspects of literature. Students will learn to analyze how these fundamentals work together to form a work of literature and will be encouraged to respond to the literature biblically and thoughtfully through regular classroom discussions and writing assignments. These assignments will continue to hone essential writing skills. In addition, students will continue to practice their research skills. There will be regular vocabulary assignments to give students a greater grasp of our language as well as begin to prepare him for the SAT. The students will memorize and recite several selections of poetry each marking period in order to further foster an appreciation for the beauty of language and exercise their public speaking skills.

American Literature (Honors Option)

5 credits – Grade 9

This course is designed to provide students with an overview of American literature. The student will learn to analyze the works of literature individually and in their historical context. Students will be encouraged to respond to the literature biblically and thoughtfully through regular classroom

discussion and response papers. These papers will continue to hone essential writing skills, and research papers on significant authors will polish research skills. In addition to response papers and brief research papers, each student will give an oral presentation on an assigned author, which will require additional research. Through regular vocabulary assignments students will improve their use of and confidence in our language. These exercises will continue to prepare them for the SAT. Students will continue to memorize several selections of poetry each marking period, further developing their appreciation for the beauty of language.

Writing Lab

2 credits – Grade 9

This course will start with a unit on research skills. Students will learn how to do research using online database services available to Trinity Christian School. This will enable them to find and use quality, academic sources for writing papers throughout their secondary careers. Students will then proceed to learn the elements of well-written paragraphs through peer review and teacher assistance. By the end of the year, they will have expanded this knowledge to a full 2-3 page paper. Ten minute writing prompts at the beginning of each class will encourage creative thinking and develop writing within a set time limit.

British Literature (Honors Option)

5 credits – Grade 10

This course is an overview of British literature from the Early Modern period through the mid-twentieth century. Students will learn to analyze works of literature individually and in their historical context. They will be encouraged to respond to the literature biblically and thoughtfully through regular classroom discussion and essay writing. Students will continue to develop their writing skills as they are guided through the writing process and offered regular feedback. They will also continue to exercise their research skills as they complete a full length research paper. Particular attention will be given to grammar and style through writing revisions. Regular vocabulary exercises will improve students' use of and confidence in the English language. These exercises will also provide vital preparation for the SAT. Additionally, students will memorize important pieces of poetry throughout the year.

Great Books I Honors

5 credits – Grade 11

This course introduces students to some great works of the Western literary tradition, particularly in the Classical, Medieval, and Early Modern periods. Literary texts will be discussed in their historical and cultural contexts to better illuminate their meanings, even as they transcend those contexts with a timeless relevance. Important aspects of structure and generic convention will be studied, yet notice will be taken of those moments of genius and innovation which go far beyond the conventional.

Students will begin to develop discernment when approaching texts, as meanings and messages are judged in the light of the Scriptures. The majority of studied texts will be either epic poetry or dramatic poetry. A large portion of the year will be spent on Homer and Shakespeare because of their unique and incomparable contributions to Western literature. Students will be asked to interact with and evaluate texts through frequent reading, thinking, discussion, and regular writing. They will also continue vocabulary study in preparation for the SAT.

Great Books II Honors

5 credits – Grade 12

This course continues the students' exposure to some of the great works of the Western Literary Tradition. Students will continue their study of Shakespeare and end the year with a close look at 20th-century dystopian literature. Texts will be discussed in their historical and cultural contexts to better illuminate their meanings, even as they transcend those contexts with a timeless and unique relevance to contemporary culture. Important aspects of structure and generic convention will be studied, yet notice will be taken of those moments of genius and innovation which go far beyond the conventional. Students will develop a greater sophistication and discernment when approaching texts, as their meanings and messages are judged in the light of the Scriptures. As the novel makes its debut in the 18th century and profoundly impacts the literary landscape from that time forward, most of the texts studied this year are British, American, and Russian novels. Students will be asked to interact with and evaluate texts through frequent reading, thinking, discussion, and writing.

FINE ARTS

Art 7 / Art 8

1 credit – Grades 7-8

This course will give the students an outlet for creative expression through the Visual Arts. Students will be exposed to a variety of artistic tools, techniques, and materials, as well as historical background and the use of the elements of Art.

High School Art - Elective

1 credit – Grades 9-12

The drawing segment of this course explores the techniques and design elements used in drawing in greater depth. Still life and landscapes are utilized, along with a variety of tools and materials. On opposite years, the human form and portraits are utilized to put new skills into practice, along with developing an architectural project. The painting segment of this course explores advanced watercolor and acrylic techniques.

LANGUAGES

American Sign Language - Elective

1 credit – Grades 9-12

ASL is a way for students to gain appreciation for a beautiful language and culture, develop basic communication skills in American Sign Language, learn about a wide variety of topics that apply to the Deaf/hard-of-hearing, and use a variety of technology - all in a fun, environment where they can take responsibility for some of the pacing and content of their learning. Because of the wide variety of topics and subjects, as well as the inclusion of students from multiple grades, students will have a unique opportunity to practice rhetoric-levels of synthesis, understanding, application, and communication within the context of a Christian worldview.

Latin 7

4 credits – Grade 7

This is the second year in a course of Latin Grammar following the Cambridge Latin Course curriculum. The course has two major objectives: to teach comprehension of the Latin language through practice in reading it; and to develop, through these readings, the students' understanding of the social and political history of the Romans. The course does not present the Latin language as an abstract linguistic system or merely as an exercise for developing mental discipline. Instead, it presents the language as the medium of the great culture and literature that molded it.

Introduction to Spanish

4 credits – Grade 8

TBD

Spanish I

5 credits – Grade 9

This course is an introductory study of Spanish grammar, vocabulary, and pronunciation. The chapters are organized into themes that enable the student to learn and interpret the written and spoken language through interaction with a variety of topics. Each chapter contains an average of forty new vocabulary words and introduces new grammatical structures. The course seeks to develop reading, writing, listening, and speaking skills through short readings, written reports, listening activities, oral presentations, and daily conversations outside the classroom. A study of the culture is woven into the curriculum through selections from *el mundo hispano* (Hispanic world) and *fundo cultural* (cultural background).

Spanish II

5 credits – Grade 10

Prerequisite: Spanish I

Spanish II begins with a review of the vocabulary and grammar covered in Spanish I and yet simultaneously introduces and integrates new material into the coursework. Each chapter presents an average of forty-five new vocabulary words and increasingly complex grammatical structures. Students continue to develop reading, writing, speaking, and listening skills through select articles, written reports, oral presentations, and listening activities. A study of the culture is also incorporated into the course through readings on *perspectivas del mundo hispano* (perspectives from the Hispanic world) and *la cultura en vivo* (cultural life).

Spanish III

5 credits – Grade 11

Prerequisite: Spanish II

Spanish III continues the grammatical studies of Spanish I and II and furthers the development of the four basic skills: reading, writing, speaking, and listening. Students memorize an average of sixty-five vocabulary words per chapter and learn and utilize more complex grammatical structures. They also engage with selections from authentic literature, construct several three to four-paragraph essays, present multiple oral reports, converse daily with fellow students outside the classroom, and listen to the language in varying comprehension activities. A study of the culture is also integrated into the coursework through cultural notes and extended readings.

Spanish III Honors

5 credits – Grade 11

Prerequisite: B+ in Spanish II

Spanish III continues the grammatical studies of Spanish I and II and furthers the development of the four basic skills: reading, writing, speaking, and listening. Students memorize an average of sixty-five vocabulary words per chapter and learn and utilize more complex grammatical structures. They also engage with selections from authentic literature, construct several three to four-paragraph essays, present multiple oral reports, converse daily with fellow students outside the classroom, and listen to the language in varying comprehension activities. A study of the culture is also integrated into the coursework through cultural notes and extended readings.

Advanced Placement Spanish – Elective

5 credits – Grade 12

Prerequisite: Spanish III Honors

This course is designed to further develop student proficiency in all four language skills so as to meet the challenge of the Advanced Placement Examination given in May. The course will be conducted entirely in Spanish from day one and students will develop their proficiency in the language through

the use of contemporary textbooks available for use in AP Spanish courses. They will be required to read, analyze, and discuss essays, short stories, newspaper articles, internet articles, novels, plays and poetry in Spanish. Students will also enhance their conversational and composition skills by composing oral presentations and written themes on both literary and nonliterary topics. Listening proficiency will be developed through the use of recorded media, films, and videos. This course will be taught as a third year university level course and will provide a valuable preparation for those students who wish to continue study in Spanish at the university level.

HISTORY

World History I

5 credits – Grade 7

This course will survey the history of the world from Creation through the Middle Ages. Students will examine the major civilizations, leaders, events, and ideas which have shaped history and identify each civilization's contributions to philosophy, theology, government, literature, and the arts. Students will be expected to complete nightly reading assignments and write short essays. These assignments will introduce students to historical research methods, encourage critical reasoning, and foster good communication skills. Classroom study will be enriched by an annual field trip.

World History II

5 credits – Grade 8

A sequel to World History I, this course will survey the history of the world from the Renaissance to the present. Students will examine the major leaders, events, and ideas which have shaped world history paying special attention to industrialization, globalization, and modern political movements. Students will use the research skills they develop in English class to write a major research paper. Students will also complete nightly reading assignments and write short essays. These assignments will improve students' research skills, encourage critical reasoning, and foster good communication skills. Classroom study will be enriched by an annual field trip.

US History I (Honors Option)

5 credits – Grade 9

This course will survey United States history from the Age of Exploration to the Civil War. Heavy emphasis will be placed on the development of the Thirteen Colonies, the War for Independence, the Constitution, the Civil War, and Christianity's role in shaping the nation. This course will encourage critical reasoning, written and verbal communication skills, and good citizenship through written essays, an annual research paper, an in-class speech, and regular discussions and debates. Students will benefit from an annual field trip to a relevant historic site.

Advanced students have the option of taking Honors US History I. Both courses meet in the same classroom but honors students will have extra writing assignments, including a significant paper each marking period and more challenging tests and quizzes.

US History II (Honors Option)

5 credits – Grade 10

A sequel to US History I, this course will survey United States history from the Reconstruction Era to the present. Emphasis will be placed on the economic growth and increasing global influence of the nation as well as the major social and political changes of the twentieth century. This course will encourage critical reasoning, written and verbal communication skills, and good citizenship through essays, an annual research paper, an end-of-year group project, an in-class speech, and regular discussions and debates. Students will benefit from an annual field trip to a relevant historic site.

Advanced students have the option of taking Honors US History II. Both courses meet in the same classroom but honors students will have extra writing assignments, including a significant paper each marking period and more challenging tests and quizzes.

Western Thought I Honors

5 credits – Grade 11

This course is an overview of the history of Western thought with a particular focus on the great questions of man's existence and purpose, as evidenced in the development of philosophy and science and their impacts on theology, culture, and society. The first half of Western Thought I provides students with a historical sketch of important thinkers and ideas in Western philosophy. The second half begins a more intensive critical evaluation of certain ideological trends in Western thought, and we will be continuing that evaluation in Western Thought II. Students will interact with a variety of texts, both expository and argumentative; representing a variety of modern discourses, and learn to evaluate the conclusions of those texts with biblical accuracy. Students will learn to communicate their evaluations with precision and clarity through frequent class discussion and regular essay writing. They will begin to develop philosophical, theological, scientific, and historical literacy through regular memory material that includes important names, dates, ideas, and terms in these disciplines. With their developing literacy, students will be able to enter into the "Great Conversation" more effectively.

Western Thought II Honors

5 credits – Grade 12

This course is an overview of the history of Western thought with a particular focus on the development and implications of modern conceptions of humanity and its relationship to science,

economics, theology, morality, and technology. Western Thought II continues the critical evaluation of particular trends in Western ideology and practice that is begun in Western Thought I through critical reading, discussion, and writing. Students will interact with a variety of texts, both expository and argumentative, representing a variety of modern discourses, and evaluate the conclusions of those texts against a biblical worldview. Students will communicate their evaluations with precision and clarity through frequent class discussion, essay writing, and oral presentations. They will grow their philosophical, theological, scientific, and historical literacy through regular memory material that includes important names, dates, ideas, and terms in these disciplines. With this literacy and rhetorical evaluation, students will be able to enter into the “Great Conversation” effectively.

LOGIC

Logic I

2 credits – Grade 8

This course is an introduction to logic as a set of tools for various reasoning tasks. Students are introduced to the basic concepts of statement and argument, and are given rules for assessing the strength of various kinds of arguments. They are also taught a system of symbolic logic and how to test arguments in ordinary language using that system.

Logic II

2 credits – Grade 9-11

Building on the foundations of Logic I, this classical distinctive course takes a deeper look into key topics such as deductive reasoning, inductive reasoning, and categorical statements. Students will also branch into logical fallacies and Christian apologetics. Through this course, students will develop the skills necessary to analyze arguments and critically think through challenging questions.

MATHEMATICS

The courses offered in the Mathematics Department fall into two levels: Honors & College Prep. The honors courses are taught at a more rigorous level. In the senior year, AP Calculus is also offered.

Pre-Algebra

5 credits – Grade 7

This course serves as the transition from concrete math at an elementary level to the abstract Algebra-Geometry sequence of the secondary program. Pre-Algebra introduces the logical order inherent in the natural laws of God’s universe through the use of symbolic math language. Students move from the manipulation of numerical expressions to the manipulation of algebraic expression, becoming increasingly familiar with sequential thinking, generalizations, and abstract concepts. Specifically, the concept of a variable is carefully introduced, together with definitions, properties and operations that will be used in first year Algebra. The Pre-Algebra course also emphasizes logical reasoning in the procedures for simplifying algebraic expressions, solving algebraic equations, and constructing solutions to word problems. Topics covered include arithmetic, graphs, number sets, measurement, ratio, proportion, percent, rate, exponents, roots, statistics, probability, expressions, equations, algebraic skills, trigonometry, and geometry.

Algebra I

5 credits – Grade 8

Prerequisite: Pre-Algebra

Through the study of Algebra, students develop an understanding of the symbolic language of mathematics and the sciences. Algebraic skills and concepts are developed and used in a wide variety of problem-solving situations. Topics covered include solving equations, polynomials, factoring, and fractions with variables, ratio and proportion, functions, linear equations, systems of equations, inequalities, and quadratic functions.

Algebra I Honors

5 credits – Grade 8

Prerequisite: B+ in Pre-Algebra

Through the study of Algebra, students develop an understanding of the symbolic language of mathematics and the sciences. Algebraic skills and concepts are developed and used in a wide variety of problem-solving situations. Topics covered include solving equations, polynomials, factoring, fractions with variables, ratio and proportion, functions, linear equations, systems of equations, inequalities, and quadratic functions.

Geometry

5 credits – Grade 9

Prerequisite: Algebra I

This class is designed to introduce students to the language of geometry. Students will develop good reasoning skills in order to write quality proofs. Topics covered include basic geometric concepts and proofs, congruent triangles, parallel lines and related figures, lines and planes in space, polygons, similar polygons, the Pythagorean Theorem, circles, areas, surface areas and volume, coordinate geometry, locus, and constructions.

Geometry Honors

5 credits – Grade 9

Prerequisite: Algebra I Honors (or a grade of “A” in Algebra I)

This class is designed to introduce students to the language of geometry. Students will develop good reasoning skills in order to write quality proofs. Topics covered include basic geometric concepts and proofs, congruent triangles, parallel lines and related figures, lines and planes in space, polygons, similar polygons, the Pythagorean Theorem, circles, areas, surface areas and volume, coordinate geometry, locus, and constructions.

Algebra II

5 credits – Grade 10

Prerequisite: Geometry

Algebra II is presented as a study of special classes of functions. In the process, relationships between theory and real-world applications are thoroughly explored, bringing the material to life. The topics covered in this course include inequalities, quadratic functions and relations, rational and irrational algebraic functions, higher degree polynomials and complex numbers.

Algebra II Honors

5 credits – Grade 10

Prerequisite: Geometry Honors (or a grade of “A” in Geometry)

Algebra II and trigonometry are presented as a study of special classes of functions. In the process, relationships between theory and real-world applications are thoroughly explored, bringing the material to life. The topics covered in this course include inequalities, quadratic functions and relations, higher degree polynomials, complex numbers, exponential and logarithmic functions, rational algebraic functions, irrational algebraic functions, sequence and series, probability, data analysis, and an introduction to trigonometry.

Advanced Mathematics

5 credits – Grade 11

Prerequisite: Algebra II

Topics from algebra, geometry, trigonometry, discrete mathematics, and mathematical analysis are interwoven to form a fully integrated course. A rigorous treatment of Euclidean geometry is also presented. Word problems are developed throughout the problem sets and become progressively more elaborate. With this practice, students will be able to solve challenging problems such as rate problems and work problems involving abstract quantities. This course is organized into a series of lessons that gradually develop concepts. This approach gives students the time to develop a deeper understanding of concepts and how to apply them. Through continual review, previously presented concepts are practiced frequently and extensively throughout the year. The cumulative daily practice strengthens students' grasp of concepts and improves their long-term retention of concepts.

Pre-Calculus Honors

5 credits – Grade 11

Prerequisite: Algebra II Honors (or a grade of "A" in Algebra II with extra summer assignment)

This course begins with the study of functions and graphs then analyzes more closely different types of functions, such as polynomial, power, and rational functions, exponential, logistic, and logarithmic functions, and finally trigonometric functions. It then explores analytic trigonometry, applications of trigonometry, systems and matrices, and analytic geometry.

Discrete Mathematics

5 credits – Grade 12

Prerequisite: Pre-Calculus

In discrete mathematics, we are concerned with properties of numbers and algebraic systems that do not depend on the kind of continuous concepts learned in Algebra and Geometry. Topics covered include basic combinatorics, binomial theorem, sequence and series, mathematical induction, probability, graphical and numerical statistics, random variables and probability models and statistical literacy.

AP Calculus

5 credits – Grade 12

Prerequisite: Pre-Calculus Honors

This course is a first year, single variable calculus course, covering functions, graphs and limits, as well as derivatives and integrals. It begins with limits and continuity then goes into a detailed study of derivatives and their applications, followed by a study of differential equations and mathematical modeling. Finally, it explores anti-derivatives and applications of definite integrals, including areas and volumes. This class should prepare the students to successfully complete the AP exam.

PHYSICAL EDUCATION

2 credits – Grades 7-8

1 credit – Grade 9-12

Physical Education is offered once a week. The purpose of the program is to build skills that will develop a balanced healthy lifestyle and glorify God in every way. The program is designed to increase competence, personal responsibility, and enjoyment of physical activity.

PUBLIC SPEAKING

All 7th and 8th graders are required to participate in the Speech Contest; high school participation is optional. All 9th and 10th graders are required to participate in the Poetry Out Loud Competition; 11th and 12th grade participation is optional. In addition, seniors are required to present their senior theses fourth marking period senior year.

RHETORIC

Rhetoric I

3 credits – Grade 10

Although it is ubiquitous, rhetoric has not always been reputable. The sophists of the fifth century BC earned a bad name for rhetoric, and the Western world has been grappling with both its value and its dangers ever since. Aristotle defined rhetoric (one of the three traditional language arts) as “the faculty of observing in any given case the available means of persuasion.” You will step through his Rhetoric in your attempt to become better rhetors yourselves. Of course, the goal is to become the ideal orator – what Quintilian called, “the good man speaking well.” Students will grow in their abilities as ideal rhetors by giving frequent speeches (both impromptu and prepared).

During this course, you will explore the art of rhetoric both in great speeches and in great writing. Aristotle’s Rhetoric provides a scaffold for the course. The first weeks of the course are devoted to the three rhetorical appeals: ethos, pathos, and logos. You will then examine and practice the five canons of rhetoric: invention, organization, style, memory, and delivery. Finally, you’ll conclude by learning about the three genres of rhetoric: deliberative, epideictic, and judicial.

Rhetoric II (Senior Thesis)

5 credits – Grade 12

Through this course, students will originate a thesis paper based on an approved topic of their choice, then present and defend their research in front of a panel. Building on skills already obtained in their academic career, students will perform detailed research using academic databases, study effective

methods of argumentation and claim support, and review important verbal presentation guidelines. Students will also connect their research to a Biblical worldview perspective.

SCIENCE

Health Education

.5 credit – Grades 7-8

The first year of this two-year health class focuses upon physical growth, nutritional needs, healthy food choices, cardio and muscular fitness, and good hygiene. As part of physical fitness, we also cover recreational and athletic safety. The second year covers spiritual health, mental/emotional health, and social health. As a sub-unit of social health, we learn and practice basic first aid skills and engage in basic emergency response training.

Health Education

.5 credit – Grades 9-12

The purpose of this class is to present the Bible as the foundation for a healthy lifestyle. Scientific research supporting biblical principles for achieving and maintaining health as well as evidence of life in a fallen world as seen in health problems will be presented. This class will deal with the integration of the physical, mental, social and spiritual dimensions of life. Specific topics for Year 3 include: Addictions, CPR, and Personal Responsibility for Health and Exercise.

Earth Science

5 credits – Grade 7

This course covers three areas of study: the universe around us, the Earth, and living things. It begins by considering the parts of the universe outside the earth's atmosphere and then moves to consider the structure of the earth, focusing on its surface processes. Transitioning from earth to life science, students will consider responsible Christian stewardship of our ecological resources. Finally, students will explore foundational concepts of biology, including characteristics of life, the origin of life, heredity, and a brief overview of living things.

Physical Science

5 credits – Grade 8

This course is an introduction to physics and chemistry. It provides an essential foundation for subsequent science courses, including Biology, Chemistry, and Physics. Through practical Bible integration, students learn that a Christian worldview permeates true science. This course does not assume any prior knowledge in physics or chemistry, other than normal life experiences. It builds a foundation of basic information concerning matter and measurements early in the year, then furnishes the student with the key principles and scientific laws of classical physics: thermodynamics, electricity, magnetism, sound, light, and optics.

Biology with Lab (Honors Option)

6 credits – Grade 9

This course is designed to provide students with a foundational understanding of the science of biology. With such an understanding, they will be better prepared for many practical aspects of life and the possibility of further study in medical or scientific fields. The course explores in depth the hierarchical levels of life, as well as different cell types, organelles, and the processes that go on within individual cells (cellular respiration, photosynthesis, cellular reproduction, etc.) Various aspects of genetics are covered, as is the origin of life. The course concludes by studying different topics in human anatomy and physiology. Students will engage in regular labs to reinforce their understanding of the course material.

Advanced students have the option of taking Honors Biology. Both courses meet in the same classroom, but honors students will have more challenging tests and quizzes, as well as projects to complete. They will also have some formal lab reports to write, and may also have periodic short essays to write for homework.

Chemistry with Lab (Honors Option)

6 credits – Grade 10

In this course, students will learn about the makeup of matter, the design of atoms, the periodic table of the elements, bonding, formulas, reactions, solutions, acids, bases, and several specialized branches of chemistry. Mathematical skills such as graphing, unit conversions, and analysis of numerical data will be taught and practiced. The ultimate goal is for the student to develop an increased appreciation of God's creation. The examination of the complexity and design of God's creation at the molecular level provides a strong foundation for countering naturalistic philosophies. Students will grow in their understanding that the effects of chemistry reach far beyond schools and laboratories and play a vital role in our daily lives and in the complex workings of our world. Students will engage in regular labs that reinforce the course material.

Advanced students have the option of taking Honors Chemistry. Both courses meet in the same classroom, but honors students will have more challenging tests, quizzes, and homework, as well as formal lab reports to write. They will also have periodic articles to read and present to the class.

Physics with Lab (Honors Option)

6 credits – Grade 11

This college preparatory course takes a liberal arts approach to conceptual and problem-solving studies in the realm of classical physics. Students will learn and gain mastery over topics including motion, Newton's Laws, force and work, waves, and electromagnetism, including their practical uses in contemporary contexts. This will be accomplished through lab experimentation, demonstration, lecture and discussion, problem solving, and the use of technology. Students will develop skills in writing by preparing lab reports, in addition to developing problem-solving strategies and computational aptitude.

Advanced students have the option of taking Honors Physics. Both courses meet in the same classroom, but honors students will have more challenging tests and quizzes as well as additional assignments, such as more complex, math-intensive homework problems, extra lab activities and reports, and research into physics applications in contemporary contexts. Honors level is strongly recommended for students pursuing math, science, or engineering degree programs in college.

Anatomy & Physiology with Lab – Elective (Honors Option)

6 credits – Grade 12

This course is designed for the senior with a genuine interest in the biological sciences, or a strong interest in a possible health care field. The course will survey human systems, their functions, and mechanisms of action. Emphasis will be placed on integration of systems, homeostatic mechanisms, and failures of those mechanisms that lead to disease. Laboratory activities will be an integral part of the course, and will include dissections, the study of histological slides, mechanical and chemical activities, as well as cardiovascular and pulmonary activities related to exercise and fitness. Topics covered will include a review of cell biology, homeostasis, the integumentary system, digestive system, respiratory system, circulatory system, immune system, endocrine system, skeletal and muscular systems, nervous system, urinary system, and reproduction and embryonic development.

STUDY SKILLS

Study & Communication Skills

2 credits – Grade 7

The first and second quarters of the course is designed to teach students the skills and techniques that will enable them to be successful in their courses both this year and in years to come. The third quarter is designed to help students as they prepare for the Speech Contest. They will choose how they are going to participate in the contest and then practice their pieces. Over the course of the marking period, students will learn how to dramatize a speech appropriately. The fourth quarter is designed to teach students the skills and techniques needed for doing research, both for papers and for oral presentations.

YEARBOOK

Yearbook - Elective

2 credits – Grades 9-12

The workload is light in the beginning of the year and gradually increases during the second half. Early in the year students are assigned the different grades, clubs, and/or sports teams that they will be responsible for. Some yearbook tasks include taking pictures at various events, speaking with teachers, students, or parents to acquire pictures, writing captions, conducting various polls, and collecting superlatives. There are greater responsibilities for the different editors who not only take pictures but also design spreads or get business letters out to the community to raise money.

EXTRACURRICULAR ACTIVITIES

ATHLETICS

The TCS sport's program recognizes that spiritual, academic, social, *and* physical development is essential to every student's growth. Training and competition in athletics can promote many important character qualities and health benefits. TCS teams strive not only to win, but to exemplify those traits that glorify God. Our coaches are to be servant leaders who develop the Christian character of our student athletes by emphasizing personal responsibility, self-denial, effort, and teamwork.

TCS fields separate men's and women's teams in soccer, basketball, baseball (men) and track/field for high school students (9-12). TCS fields separate boys' and girls' teams in basketball and track/field for middle school students (6-8). The middle school soccer program is coed.

CLUBS

Handbells

Grade 7-12

Handbells meets one morning per week before school starts to practice selections for the Christmas and spring concerts. Preference is given to returning members and upperclassmen with teacher approval. During Christmas and spring concert weeks, students are expected to have daily rehearsals.

Orchestra

Grades 7-12

Orchestra focuses on the group performance of small ensemble, orchestral music with the goal of testifying to the beauty of God through music. Students will rehearse for two concerts during the school year.

STUDENT COUNCIL

Grades 8-12

The Student Council of TCS exists to glorify God, serve the school and local community, and foster school spirit, healthy discussion, and spiritual growth among the student body. Members sit on the Service, Social, School Life, Spiritual, and/or Fundraising committee from which activities are organized. Eligible students in grades 8 through 11 who are interested in giving back to the school may

seek election for a position on the Student Council in May; student terms and activities run from June to June.

NATIONAL HONOR SOCIETY

Grades 11-12

Membership is open to juniors and seniors who exhibit, to an exceptional degree, the qualities of scholarship, service, leadership and positive character. Eligibility is open to students who meet NHS requirements and who have been selected by an appointed Faculty Council.