



Christian Heritage School
Upper School
Program of Studies
2022-2023

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Program of Studies

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2022—2023

Mission and Philosophy	4
NCAA Eligibility Reference Guide	5
GPA Scale	5
Graduation / Diploma requirements	6
AP / Dual Credit	7
Community Service	7
Bible	8
English	10
Mathematics	14
Science	18
Social Studies	23
World Languages	27
Health & PE	30
Performing Arts	31
Visual Arts	34
Electives	36

Mission and Philosophy

Christian Heritage School exists to assist parents in fulfilling their God-given responsibility to teach their children that, "In [Christ] are hid all the treasures of wisdom and knowledge" (Col. 2:3) and to provide its students with an education of spiritual and academic excellence with which to serve God.

Christian Heritage's upper school curriculum offers a balance of liberal arts course offerings based on the core biblical principles of truth, excellence, and virtue. Recognizing each student's unique gifts and interests, CHS endeavors to prepare students for the higher education arena, and, ultimately, to serve God through their professions. The major goals of the upper school curriculum are three-fold:

- To sufficiently prepare students for academic success at the college level through a teaching and learning environment commensurate with a college-preparatory school.
- To facilitate exploration, enrichment, and leadership through co-curricular programs.
- To challenge students to take ownership of their faith in and walk with the Lord, understanding their calling in God's plan.

Academic Integrity

The CHS community holds scholarly pursuit and personal ethics in highest regard, as reflected in God's word, "Whatever you do, work at it with all your heart, as working for the Lord" (Col. 3:23). To this end, we seek to instill a sense of personal integrity in all areas of life by fostering moral and ethical values in a climate of mutual respect. Students are expected to act with integrity as they assume responsibility for their education by submitting work that is truly and wholly their own. In doing so, students learn from their mistakes and have the opportunity to grow and master their subjects of study. Furthermore, students gain self-confidence and independence as they enter college, and ultimately, their vocational calling.

Planning a Program of Studies

Every student should pursue a program that will rigorously challenge their abilities. This program of studies contains academic policies, a list of graduation requirements, and course descriptions with prerequisites. Students must take a minimum of 6.5 credits in grades 9 and 10, and 6.0 credits for grades 11 and 12. All students must complete a minimum of 25 credits and a total of 80 community service hours to graduate.

The academic counselors will meet with students in the spring to assist each student in planning a program of study, fulfilling graduation requirements, and setting goals for his or her future plans.

Course Selection Process

Course selection for the next school year will begin in March. At that time, students in grades 6-12 will be required to complete Course Requests for their specific grade level through their individual Family Portal account. All courses available to students are listed there. Please refer to this Program of Studies as a guide when choosing courses, especially noting the requirements for the Honors/AP/Dual Credit courses.

NCAA Eligibility Reference Guide

For more information, visit the NCAA Eligibility Center website at www.ncaa.org

Division I Core Course Requirement (16 courses)	Division II Core Course Requirement (16 courses)
4 years of English 4 years of Mathematics (Algebra 1 or higher) 2 years of natural/physical science (1 year of lab science if offered by HS) 1 year of additional English, Math or natural/physical science 2 years of social science 4 years of additional courses from any area above, foreign language or comparative religion/philosophy	4 years of English 4 years of Mathematics (Algebra 1 or higher) 2 years of natural/physical science (1 year of lab science if offered by HS) 3 years of additional English, Math or natural/physical science 2 years of social science 4 years of additional courses from any area above, foreign language or comparative religion/philosophy

Honors, Advanced Placement, Dual Credit

Honors courses are designed to be taught at an accelerated pace with a more comprehensive scope of content.

Advanced Placement courses follow the syllabi prescribed by College Board. The content of these courses is commensurate with a freshman college-level courses and therefore intended for students who demonstrate the ability and desire for a rigorous academic course.

Dual Credit courses are any college courses taught by CHS faculty who are also adjunct professors within our partnerships with the University of Connecticut, Seton Hall University, and Syracuse University. Students have the option of earning both high school and college credits simultaneously.

GPA Scale

Grade	%	Standard	Honors	AP, DC
A+	97-100	4.34	4.67	5.34
A	93-96	4.00	4.34	5.00
A-	90-92	3.67	4.00	4.67
B+	87-89	3.34	3.67	4.34
B	83-86	3.00	3.34	4.00
B-	80-82	2.67	3.00	3.67
C+	77-79	2.34	2.67	3.34
C	73-76	2.00	2.34	3.00
C-	70-72	1.67	2.00	2.67
D+	67-69	1.34	1.34	1.34
D	63-66	1.00	1.00	1.00
D-	60-62	0.67	0.67	0.67
F	0-59	0.00	0.00	0.00

High School Graduation Requirements

All students take courses according to the appropriate grade level, and are required to follow the proper sequence for coursework. Courses taken prior to grade 9 do not count towards graduation, but may be used for placement.

Subject

Bible	4.0 credits
English	4.0 credits
Mathematics	4.0 credits
Science	3.0 credits (Biology, Chemistry, Physics required)
Social Studies	3.5 credits (Gov/AP Gov required)
World Language	2.0 credits
PE	0.5 credit
Health	0.5 credit
Fine Arts	0.5 credit
Service Hours	80 hours (50 hours for class of 2023) (60 hours for the class of 2024)

**Total credits required
for graduation**

25 credits (including 3 additional credits from any dept.)

Diplomas

To graduate with a **Standard Diploma**, students must meet all graduation requirements. To graduate with an **Advanced Diploma**, students must successfully complete five "advanced" humanities, four "advanced" STEM, and a total of eleven courses from the Advanced Diploma Course List (ADCL), in addition to meeting all graduation requirements. To graduate with an **Advanced Diploma with Distinction**, students must successfully complete six "advanced" humanities, five "advanced" STEM, and a total of thirteen advanced courses, in addition to meeting all graduation requirements.

Advanced Diploma Course List (ADCL)

Please note: The Advanced Diploma will only be available through the class of 2023

Humanities*

UConn US History I
 UConn US History II
 Seton Hall Univ. Amer. Lit. I
 Seton Hall Univ. Amer. Lit. II
 AP English Language & Composition
 Syracuse Univ. Speaking
 AP Government & Politics
 UConn Philosophy
 H Spanish III
 H Spanish IV
 UConn Spanish

STEM*

UConn Physics I
 UConn Physics II
 UConn Biology I
 UConn Biology II
 AP Calculus AB
 H Pre-Calculus

Electives*

UConn Music Fund. I
 UConn Music Fund. II

****Not all courses may be offered in the 2022-2023 school year***

AP/Dual Credit Coursework

Advanced Placement (AP) and dual credit (DC) courses are rigorous academic classes available to students who are interested in the opportunity to pursue challenging college-level classes while still in high school. Through these college-level courses and exams, students can earn college credit and/or advanced standing when applying to colleges.

English

Seton Hall Univ. Amer. Lit I
Seton Hall Univ. Amer. Lit II
Syracuse Univ. Presentational Speaking
AP English Language & Comp.

Mathematics

AP Calculus AB

Fine / Performing Arts

UConn Music Fundamentals I
UConn Music Fundamentals II

Social Studies

UConn US History to 1877
UConn US History Since 1877
AP Government & Politics

Science

UConn Physics I
UConn Physics II
UConn Biology I
UConn Biology II

UConn Early College Experience (UConn ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head start on a college degree and other postsecondary opportunities. UConn ECE instructors are high school teachers certified by the University. UConn ECE instructors foster independent learning, creativity, and critical thinking—all important for success in college and careers. Christian Heritage School offers UConn ECE courses in Physics, Biology, US History and Music Fundamentals. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE students.

Most of the advanced courses (Honors, Dual Credit, Advanced Placement) at Christian Heritage School have pre-requisites, so be sure to check the course descriptions in this guide for all the details. AP courses are listed in this Program of Studies and on a student's transcript with the "AP" designation. Collegeboard offers AP exams each May to students who have enrolled in Advanced Placement course work. Students expecting to earn college credit must take the AP exam at the end of the course. **There is a fee for each exam taken.** For more information please visit:

<https://apstudent.collegeboard.org/exploreap>

Community Service

Grades 9-12

Christian Heritage School is intentional about targeting the final portion of its mission statement which reads: "... to provide an education of spiritual and academic excellence with which to serve God" in part through the implementation of a vibrant community service requirement in the high school. High school students are required to log a total of 80 hours of service to fulfill the graduation requirement.

Students may complete hours anytime during the 4 years of high school, but are strongly encouraged to complete an average of 20+ hours each year

BIBLE

It is our conviction that “a spiritual education of excellence” must aim at the target defined by our Lord Jesus in Mark 12:30-31. That is, to “Love the Lord your God with all your heart and with all your soul and with all your mind and with all your strength” and to “Love your neighbor as yourself.” It is, therefore, the mission of the Bible Department to enable students to build a biblical worldview by equipping them to discover and apply biblical truth to life in a way that encourages love for God and service to others.

Bible 6

Full year, 1 credit

Grade 6

This course is a New Testament study of the later ministry, death and resurrection of Jesus. The study includes the beginning of the church and Paul's calling and ministry to be the church's apostle to the Gentiles, preaching the message that we are saved by God's grace offered in Jesus Christ. The course follows Paul through his three missionary journeys. Students gain a deeper understanding of the New Testament scriptures by studying the historical context in which it was written.

Bible 7

Full year, 1 credit

Grade 7

Introduction to the Old Testament gives students both a functional and a practical understanding of the Old Testament. The Old Testament is essential in giving students the tools to appreciate the Bible as one complete book. Students focus on God's character and actions in the story of His people. Students see the crucial nature of the Old Testament in the meta-narrative of God's redemptive history and its relevance in their lives today.

Bible 8

Full year, 1 credit

Grade 8

This Introduction to the New Testament is a full-year course that focuses on New Testament Survey, the Parables of Jesus, Missions, Church History, and Preaching. Students recognize how God continued to work in the lives of His people throughout the history of the church and how He is present in our lives today.

Bible 9

Full year, 1 credit

Grade 9

This class involves a more in-depth study of the Old Testament. Then, for the purpose of highlighting the Old Testament, students consider the competing worldviews of cults and other religions. Students are challenged to enter into God's story, living out the Gospel as a person on a mission with God in everyday life.

Bible 10

Full year, 1 credit

Grade 10

This course is designed to acquaint students with the life and teachings of Christ primarily through the Gospels. The class examines central themes present in Christ's teachings. This will also include a unit on Apologetics, using both Pauline Epistles and practical current examples.

Mission of God**1 semester, .5 credit***Grade 11*

This is a half-year course that provides opportunities for students to explore and engage in God's mission as the foundation for the story of the Bible as the lens through which we all relate to others cross-culturally, as the centerpiece of history, and as the driving force for living "missionally" in whatever context we find ourselves. Throughout the class, students are challenged to reconsider how they live their day-to-day experience with God and others. This is not an experience that begins and ends with salvation; it is a journey that lasts a lifetime.

Life Calling**1 semester, .5 credit***Grade 11*

Life Calling is a course that assists students in discovering the concept of life calling in a holistic and faith-based setting by focusing on one's God-given design as a basis for this calling. Students will evaluate their foundational values, unique design and personal mission and discover how to integrate this into their life and leadership.

Christian Worldview Formation**Full year, 1 credit***Grade 12*

This course is designed to help students learn how to examine and understand the culture around them, understand its messages and views of the world, and consequently, learn how to bring their Christian faith and worldview to bear on culture and various systems of thought. The second part of the class focuses on the particular issues facing the world today that Christians should understand and to which they should apply biblical truth in order to live well in a relative world. The course will also include the historical, logical, prophetic, biblical, and scientific evidence for Christianity and the evidential basis for other world religions and worldviews.

ENGLISH

The ministry of education is primarily to the mind. The goal of the English Department at Christian Heritage School is to have students who think. Students should be able to read and evaluate the written word and other media clearly and logically. They should be able to express their thoughts in clear writing and speech. They should be encouraged to be creative and thoughtful Christians by example, and as God's elect, should have high standards for everything they do.

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Literature 9 H Literature 9	Literature 10 H Literature 10	Survey of Amer. Lit Seton Hall Univ. Am. Lit. I Seton Hall Univ. Am. Lit. II	British Literature 12 – I British Literature 12 – II AP Language & Composition 12 Syracuse Univ. Presentational Speaking

Literature and Composition 6

Full year, 1 credit

Grade 6

This course provides an in-depth study of several novels to reinforce reading skills and develop higher order thinking skills with a focus on the literary elements of each novel. Vocabulary in the context of the individual novel is developed. Novels may be assigned from the following list: *The Westing Game*, *A Single Shard* and *A Long Walk to Water*. In writing students should be able to demonstrate that they are becoming independent in their ability to utilize the five stages of process writing, the traits of good writing, and age-appropriate conventions of written expression. Their compositions, often interwoven with the novel being read, should present a clear and compelling message that is focused and well-supported with pertinent details. The research paper is also introduced in this course.

Literature and Composition 7

Full year, 1 credit

Grade 7

This course is designed to help students develop a better understanding and command of the English language. Writing is emphasized, building on skills used in the Six Traits of Writing methodology. Students write a variety of essays and a research paper. Vocabulary comes from the literature read and emphasis is placed on developing oral expression. Grammar instruction focuses on the parts of speech and sentence parts, as well as mechanics and editing skills. In literature, students study short stories, drama, nonfiction, poetry, and the two novels *A Wrinkle in Time* and *The Wednesday Wars*.

Literature and Composition 8

Full year, 1 credit

Grade 8

This course stresses three main areas of language and use: grammar, writing, literature. Students build on their basic understanding of grammar by learning about verb tenses, subject-verb agreement, pronoun usage, punctuation, and capitalization. Writing is a focus as the students will write and journal daily, as well as pursue improvement in sentence, paragraph, and essay structure. In literature, students study short stories, nonfiction essays, poetry, and novels such as *The Hiding Place* and *To Kill a Mockingbird*.

Literature and Composition 9

Full year, 1 credit

Grade 9

This course provides the student with a study of grammar, writing skills, vocabulary, and literature. In grammar, students will review parts of speech, sentence parts, phrases, and clauses. In writing, students will produce several critical literary essays, several creative writings, and an in-depth research paper. Literature units involve short stories and poetry, along with the major works *Great Expectations*, *Romeo and Juliet*, and *The Odyssey*. Vocabulary is studied within the context of the literature. The philosophical content of literature is evaluated in the light of God's truth.

H Literature and Composition 9

Full year, 1 credit

Grade 9

This course provides the student with a study of grammar, writing skills, vocabulary, and literature. In grammar, students will review parts of speech, sentence parts, phrases, clauses, and diagramming. In writing, students will produce several critical literary essays, several creative writings, and an in-depth research paper. Literature units involve short stories and poetry, along with the major works *The Pilgrim's Progress*, *Great Expectations*, *Romeo and Juliet*, and *The Odyssey*. Vocabulary is studied within the context of the literature. The philosophical content of literature is evaluated in the light of God's truth. This is a more rigorous course than standard Literature and Composition 9, as it includes additional units, a faster reading pace, more writings, and more work with English grammar.

Prerequisites:

A- (90) or better in current English course

Department recommendation

Literature and Composition 10

Full year, 1 credit

Grade 10

This course provides the student with a study of grammar, writing skills, vocabulary, and literature. In grammar, students will review verb tenses, proper pronoun usage, mechanics, capitalization, and punctuation. In writing, students will produce several critical literary essays, several creative writings, and an in-depth research paper. Literature units involve short stories and major works such as *Julius Caesar*, *A Midsummer Night's Dream*, and *Jane Eyre*. Vocabulary is studied within the context of the literature. The philosophical content of literature is evaluated in the light of God's truth.

H Literature and Composition 10

Full year, 1 credit

Grade 10

This course provides the student with a study of grammar, writing skills, vocabulary, and literature. In grammar, students will review verb tenses, proper pronoun usage, mechanics, capitalization, and punctuation. In writing, students will produce several critical literary essays, several creative writings, and an in-depth research paper. Literature units involve short stories and major works such as *Julius Caesar*, *A Midsummer Night's Dream*, *Jane Eyre*, and *A Separate Peace*. Vocabulary is studied within the context of the literature. The philosophical content of literature is evaluated in the light of God's truth. This is a more rigorous course than standard Literature and Composition 10, as it includes additional units, a faster reading pace, more writings, and more work with English grammar.

Prerequisites:

B+ (87) or better in current English course or B- (80) or better if honors level

B+ (87) or better on current English course midterm exam or B- (80) or better if honors level

Department recommendation

American Literature

Full year, 1 credit

Grade 11

This course provides a survey of American literature from the Colonial Period until the present. The literary works in this course are presented both chronologically and thematically, and the philosophical content of the course is evaluated in the light of God's truth. Major works include *The Scarlet Letter*, *Walden*, *The Glass Menagerie*, and *The Great Gatsby*. Many other anthologized works of poetry and prose will also be read throughout the course. Grammar skills and vocabulary are reinforced. Presentations and major literary research papers are emphasized.

Seton Hall University American Literature I ♦

Seton Hall University Course ENGL 2103

1 semester, .5 credit

Grade 11

This college level class provides a survey of American literature from the Colonial Period until 1865. The literary works in this course are presented both chronologically and thematically, and the philosophical content of the course is evaluated in the light of God's truth. Major works read include *Nature*, *Walden*, *The Scarlet Letter*, and *Song of Myself*. Many other anthologized sermons, essays, short stories, and poems will also be read throughout the course. Grammar skills and vocabulary are reinforced. Writings include critical literary essays and an in-depth research term paper. This is a more rigorous course than standard American Literature, as it requires a faster reading pace, more writings, and more comprehensive exams.

Prerequisites:

B+ (87) or better in current English course or B- (80) or better if honors level

B+ (87) or better on current English course midterm exam or B- (80) or better if honors level

Department recommendation

Score of 540 or better on PSAT Critical Reading

Seton Hall University American Literature II ♦

Seton Hall University Course ENGL 2104

1 Semester, .5 credit

Grade 11

This college level class provides a survey of American literature from 1865 until the present. The literary works in this course are presented both chronologically and thematically, and the philosophical content of the course is evaluated in the light of God's truth. Works read include *Beyond the Horizon*, *The Great Gatsby*, *The Glass Menagerie*, and *Going After Cacciato*. Many other anthologized essays, short stories, and poems will also be read throughout the course. Grammar skills and vocabulary are reinforced. Writings include critical literary essays and an in-depth research term paper. This is a more rigorous course than standard American Literature, as it requires a faster reading pace, more writings, and more comprehensive exams.

Prerequisites:

B+ (87) or better in current English course or B- (80) or better if honors level

B+ (87) or better on current English course midterm exam or B- (80) or better if honors level

Department recommendation

Score of 540 or better on PSAT Critical Reading

♦ there is a \$300 fee for this course

British Literature 12 - I

Full year, 1 credit

Grade 12

This course provides a survey of British literature from the Old English Period until the Neoclassical Period. The literary works in this course are presented both chronologically and thematically, and the philosophical content of the course is evaluated in the light of God's truth. Major works include *Beowulf*, *The Canterbury Tales*, and *Hamlet*. Many other anthologized works of poetry and prose will also be read throughout the course. Grammar skills and vocabulary are reinforced. Presentations and major literary research papers are emphasized.

British Literature 12 - II

1 Semester, .5 credit

Grade 12

This course provides a survey of British literature from the Romantic Period until the present. The literary works in this course are presented both chronologically and thematically, and the philosophical content of the course is evaluated in the light of God's truth. Major works may include *Wuthering Heights*, *A Passage to India*, and *Arcadia*. Many other anthologized works of poetry and prose will also be read throughout the course. Grammar skills and vocabulary are reinforced. Presentations and major literary research papers are emphasized.

AP Language and Composition 12

1 Semester, .5 credit

Grade 12

Advanced Placement English Language and Composition is a rigorous reading and writing course meant to be the equivalent of a college-level composition class. It includes a variety of interdisciplinary readings and written responses to those writings. In addition, students study logic and rhetoric and create their own original compositions. Assignments emphasize interpretation, argumentation, reflection, with revision. Students may receive AP credits by taking the Collegeboard AP English Language and Composition test at the conclusion of the course.

Prerequisites:

Satisfactory essay and term paper writing in American Literature 11 or Seton Hall American Literature (preference given to those taking the Seton Hall class)

A- (90) or better in current English course, whether standard or advanced

Department recommendation

Score of 540 or better on PSAT Critical Reading

Syracuse University Presentational Speaking◇

Syracuse University course CRS 325

1 semester, .5 credit

Grade 12

This course presents the conceptual and practical dimensions of formal presentations in organizational settings. Students examine analysis, adaptation, strategic arrangement, development of ideas, and verbal and non-verbal presentation skills. The course is designed to build a solid understanding of the fundamentals of public presentations, as well as the ability to employ those skills flexibly so that a speaker can adjust selected topics and tactics to specific audiences.

Prerequisites:

Minimum GPA of 3.5

Department approval

◇There is a \$345 fee for this semester course.

MATHEMATICS

The Christian Heritage School statement of mission begins, “In Christ are hid all the treasures of wisdom and knowledge.” (Colossians 2:3, KJV) With this in mind, mathematics courses are taught on the assumption that the great God we serve is an orderly God, and that mathematics is one reflection of that order. Scripture also calls us to persevere through challenges and in light of this, the CHS mathematics department believes as good stewards that we should work together with students to develop each student’s skills and problem solving abilities.

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Algebra I Geometry H Geometry	Geometry Algebra II H Algebra II	Algebra II Pre Calculus H Pre Calculus	Pre Calculus H Pre Calculus Discrete Mathematics Intro Statistics AP Calculus AB

Math 6

Full year, 1 credit

Grade 6

In this course, students will begin to explore positive and negative numbers, secure the operations of multiplication and division of whole numbers, fractions and decimals, work with and make connections between, ratios, rates, and percent, develop algebraic thinking skills, solve problems using the coordinate plane, find the areas and volumes of various geometric shapes, and begin to explore data and measures of central tendency.

Math 7

Full year, 1 credit

Grade 7

In this course, students will develop an understanding of proportional relationships and apply them to problem solving; develop an understanding of operations with rational numbers and work with expressions and linear equations; solve problems involving scale drawings and informal geometric constructions, and work with two- and three-dimensional shapes; and draw inferences about populations based on samples.

H Math 7

Full year, 1 credit

Grade 7

In this course, students will develop an understanding of proportional relationships and apply them to problem solving; develop an understanding of operations with rational numbers and work with expressions and linear equations; solve problems involving scale drawings and informal geometric constructions, and work with two- and three-dimensional shapes; and draw inferences about populations based on samples. While the content in both 7th grade classes is the same, students in H Math 7 will be exploring problems requiring higher levels of problem solving skills.

Prerequisite:

Satisfactory completion of Math 6

Department chair approval

Math 8 - Algebra

Grade 8

Full year, 1 credit

In this course, students will formulate and reason about expressions, solve linear systems of equations, develop an understanding of linear functions and use those functions to describe quantitative relationships and using algebra to analyze geometric figures using distance, angle, similarity and congruence, and apply the Pythagorean Theorem. The algebra explored in this class would be the equivalent of the first half of a traditional full year algebra 1 class. The emphasis being the depth of exploration and mastery of these specific algebraic skills and concepts.

Prerequisite:

Satisfactory completion of Math 7

H Algebra I

Grade 8

Full year, 1 credit

This course covers the fundamental operations and exponentiation of signed numbers, monomials/polynomials, and formulas. Graphical representation of algebraic concepts is interwoven throughout the course. Students will explore data interpretation and elementary probability; simplify and evaluate algebraic expressions; explore functions, specifically linear, exponential, absolute value and quadratic functions; and solve equations, specifically linear, simple exponential, absolute value, and quadratic equations (using factoring and completion of square) While the content in both Algebra 1 and Honors Algebra 1 classes is the same, students in Honors Algebra 1 will be exploring problems requiring higher levels of problem solving skills. (A graphing calculator is required, TI-84 is preferred)

Prerequisites:

Satisfactory completion of Honors Math 7 or Math 7 (Department chair approval)

Algebra I

Grade 9

Full year, 1 credit

This course will extend some understandings of concepts and skills developed in Math 8—Algebra and then proceed into an in-depth exploration of functions, linear, exponential, absolute value and quadratic functions; and solve equations, specifically linear, simple exponential, absolute value, and quadratic equations (using factoring and completion of square) (A graphing calculator is required, TI-84 is preferred)

Prerequisite:

Satisfactory completion of Math 8.

Geometry

Grades 9-10

Full year, 1 credit

This course covers plane and solid geometry. An emphasis is placed the further development of problem solving skills through the use of proofs and logical reasoning. Topics covered are parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, circles, and probability.

Prerequisites:

Satisfactory completion of Algebra I

H Geometry

Full year, 1 credit

Grade 9

This course covers plane and solid geometry. An emphasis is placed the further development of problem solving skills through the use of proofs and logical reasoning. Topics covered are parallel and perpendicular lines, congruent triangles, relationships within triangles, polygons and quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area and volume, circles, and probability. While the content in both Geometry and Honors Geometry classes is the same, students in Honors Geometry will be exploring problems requiring higher levels of problem solving skills.

Prerequisites:

Satisfactory completion of Honors Algebra I or Algebra I (Department chair approval)

Algebra II

Full year, 1 credit

Grades 10-11

This course begins with a brief review of topics from Algebra I. The graphical/visual representation of algebraic concepts is emphasized throughout the course. Topics covered include data analysis curves of best fit, linear functions and inequalities, systems of two and three variables, matrices (emphasis on use to solve 3x3 systems of equations), series and sequences, complex and imaginary numbers, quadratic functions, variation, roots and radicals, polynomial functions, radical functions and equations, inverse relations and functions, rational functions, exponential functions, and logarithmic functions. (Instruction is done using a TI-84 graphing calculator.)

Prerequisites:

Satisfactory completion of Geometry and Algebra I

H Algebra II

Full year, 1 credit

Grade 10

This course begins with a brief review of topics from Algebra I. The graphical/visual representation of algebraic concepts is emphasized throughout the course. Topics covered include data analysis curves of best fit, linear functions and inequalities, systems of two and three variables, matrices (emphasis on use to solve 3x3 systems of equations), series and sequences, complex and imaginary numbers, quadratic functions, variation, roots and radicals, polynomial functions, radical functions and equations, inverse relations and functions, rational functions, exponential functions, and logarithmic functions. While the content in both Algebra II and Honors Algebra II classes is the same, students in Honors Algebra II will be exploring problems requiring higher levels of problem solving skills. (Instruction is done using a TI-84 graphing calculator.)

Prerequisites:

Satisfactory completion of Honors Geometry and Honors Algebra I

Satisfactory completion of Geometry and Algebra I (Department chair approval)

Pre Calculus

Full year, 1 credit

Grades 11-12

This course is a more comprehensive study of the functions that are introduced in Algebra II. Linear, quadratic, polynomial, exponential, logarithmic, and rational functions are all studied in detail. Applications of each of the categories of functions are interwoven throughout the course. The second half of the course includes a comprehensive study of the six basic trigonometric functions. Topics covered include angle measurement, graphs of trigonometric functions, inverse trigonometric functions, applications of trigonometric functions, fundamental identities, trigonometric equations, laws of sines and cosines, vectors, roots of complex numbers, conic sections, and series and sequences. Parametric equations are also introduced. A graphing calculator is required for this course. (Instruction is done using a TI-84 graphing calculator).

Prerequisites:

Satisfactory completion of Algebra II

H Pre Calculus

Full year, 1 credit

Grades 11-12

This course is a more comprehensive study of the functions that are introduced in Algebra II. Linear, quadratic, polynomial, exponential, logarithmic, and rational functions are all studied in detail. Applications of each of the categories of functions are interwoven throughout the course. The second half of the course includes a comprehensive study of the six basic trigonometric functions. Topics covered include angle measurement, graphs of trigonometric functions, inverse trigonometric functions, applications of trigonometric functions, fundamental identities, trigonometric equations, laws of sines and cosines, vectors, roots of complex numbers, conic sections, and series and sequences. While the content in both Pre-Calculus and Honors Pre-Calculus classes is the same, students in Honors Pre-Calculus will be exploring problems requiring higher levels of problem solving skills. Parametric equations are also introduced. A graphing calculator is required for this course. (TI-84 graphing calculator is preferred).

Prerequisites:

Satisfactory completion of Algebra II (Department chair approval)

Satisfactory completion of H Algebra II

Discrete Mathematics

1 Semester, .5 credit

Grade 12

This course deals with discrete events and finite processes. Topics include social choice (voting, apportionment, fair division, and game theory), management science (circuits, graphs, trees, and critical paths), matrices, and logic. Discrete Mathematics uses the techniques of elementary mathematics to deal with unusual and intriguing applications and is recommended for students of all levels of experience and ability. The goals of this course are to introduce students to the mathematics of finite sets and to develop an understanding of information processing and problem solving in practical situations.

Prerequisites:

Algebra II taken either previously or concurrently

Introductory Statistics

1 Semester, .5 credit

Grade 12

This course is an elementary course in descriptive and inferential statistical procedures. Topics include mean, median, mode variability, standard deviation, standard scores, grouping data, histograms and frequency distributions, elementary probability theory, and binomial probabilities.

Prerequisites:

Algebra II taken either previously or concurrently

AP Calculus AB

Full year, 1 credit

Grade 12

AP® Calculus AB studies limits, derivatives, and integrals and covers all topics listed in the *AP® Calculus Course Description* published by the College Board. In addition to these topics the course also covers L'Hôpital's rule (0/0 and ∞/∞ cases), integration by parts, and integration by partial fractions. Parts and partial fractions are covered after the AP test is given. Emphasis is placed not only on the numeric solutions to problems but also in explaining in written words the significance of the solutions. This is especially true in application problems. An AP approved graphing calculator is required for this course (TI-84 preferred). While it is assumed that students have a working knowledge of the graphing calculator time is taken during class to ensure that all students are able to find max/min points, zeros, intersection points, numeric derivatives, and integrals.

Prerequisites:

Satisfactory completion of Honors Algebra II

59 or better on math portion of PSAT or

590 or better on math portion of SAT (exam must be taken prior to course selection)

SCIENCE

The Science Department at Christian Heritage School seeks to provide a solid foundation of scientific knowledge, thus equipping students with a means for interpreting and understanding the purposed intelligent design of the world around them. The Science Department offers college preparatory science classes at varying levels to accommodate students who pursue science, allied health, medicine, engineering, or technology careers, as well as those who pursue careers in other disciplines. At all levels, it is the goal of the Science Department to spark the interest and expand the understanding of the students through demonstrations, hands-on laboratory work, simulations, and multimedia presentations.

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Biology H Biology Engineering Design with 3D Printing	Chemistry H Chemistry Engineering Design with 3D Printing	Physics UConn General Physics I UConn General Physics II Engineering Design with 3D Printing	UConn Biology I UConn Biology II Astronomy Human Anatomy & Physiology Engineering Design with 3D Printing

Science 6

Full year, 1 credit

This course is designed to introduce students to life science and earth science with a biblical worldview. Topics covered include living things, plants, populations of ecosystems, oceanography, weather, and climate. Students investigate the world in which we live through hands-on experiments. They are trained to ask and answer questions as well as design simple experiments on their own.

Science 7

Full year, 1 credit

This course provides an introduction to the principles of chemistry and broaden the student's understanding of life science. Our Creator is revealed as we learn of the order and intelligent design evidenced in creation. In this course, we learn about atoms, states of matter, bonding, chemical reactions, as well as cell structure, cell processes, genetics, and human body systems. Students develop critical thinking skills through lab activities and experimentation.

Science 8

Full year, 1 credit

This course broadens the scientific knowledge of students by providing an introduction to physics. Students learn about motion, forces, energy, gravity, work, simple machines, and engineering design. The purposed intelligent design of the universe is revealed through the study of the natural laws that govern it. Additional topics include the universe, space, galaxies, the solar system, plate tectonics, earthquakes, and volcanoes. Students solve problems using the scientific method. They make their own discoveries using laboratory investigation and experimentation. They also learn to draw conclusions from data and measurements. Students have the opportunity to conduct independent research as they complete a science fair project during the first semester.

Engineering Design with 3D Printing

1 quarter, 0.25 credit

Grade 8

This course will introduce students to the engineering design process from setting a goal, designing creative and practical solution, planning, building and experimenting with prototypes, and finalizing the design. Students will learn to use Tinkercad, a 3D solids modeling program to develop designs and 3D slicing software which prepares the design for 3D printing. Assessments will be based upon the completion of projects fabricated with 3D printers.

Biology

Full year, 1 credit

Grade 9

Biology is the study of life. In this course, students learn about the three main domains of life, all while discovering how God has designed all creation. Basic topics include biochemistry, cells, cellular respiration, cell division, genetics, protein synthesis, bacteria and viruses, photosynthesis, animals, and the human body systems. Students perform inquiry-driven labs as well as write formal lab reports.

H Biology

Full year, 1 credit

Grade 9

Biology is the study of life. In this course students learn about the three main domains of life, all while discovering how God has designed all creation. Basic topics include biochemistry, cells, cellular respiration, cell division, genetics, protein synthesis, bacteria and viruses, photosynthesis, animals, and the human body systems. Students take a much deeper dive into special topics such as biochemistry, genetics, and gel electrophoresis. Students perform inquiry-driven labs as well as write formal lab reports.

Prerequisites:

A- (90) or better in Grade 8 Science

Chemistry

Full year, 1 credit

Grade 10

Chemistry is the study of how matter interacts and changes. Although chemistry involved things we cannot see, students perform extensive laboratory investigations to connect scientific theory with real phenomena. Topics encountered in this course include scientific measurement, atomic theory, the periodic table, bonding, naming chemicals, the properties of matter the states of matter, gas laws, mixtures and solutions, chemical reactions, energy, the mole, stoichiometry, acids and bases, and nuclear chemistry. The study of chemistry gives deeper insight into the intricate, organized design of nature and ultimately shows us the wisdom and power of our Creator.

H Chemistry

Full year, 1 credit

Grade 10

Chemistry is the study of how matter interacts and changes. Although chemistry involves things we cannot see, students perform extensive laboratory investigations to connect scientific theory with real phenomena. Topics encountered in this course include scientific measurement, atomic theory, the periodic table, bonding, naming chemicals, the properties of matter, the states of matter, gas laws, mixtures and solutions, chemical reactions, energy, the mole, stoichiometry, acids and bases, and nuclear chemistry, polymers, equilibrium, and oxidation-reduction. This honors course differs from the regular Chemistry course in that it is more math intensive and moves at a faster pace. The study of chemistry gives deeper insight into the intricate, organized design of nature and ultimately shows us the wisdom and power of our Creator.

Prerequisites:

B (83) or better in H Biology or A-(90) or better in Biology

B (83) or better in current honors mathematics course or A-(90) or better in current mathematics course

Physics

Full year, 1 credit

Grade 11

Physics is a laboratory course which offers elementary theory and application for the college preparatory student. Topics encountered in this course include motion in one and two dimensions, Newton's laws of motion, work, energy, momentum and collisions, rotational motion, gravity, torque, fluid mechanics, simple harmonic motion and thermodynamics. Considerable skill in algebra, trigonometry, and problem-solving is required for satisfactory completion of this course. The study of physics gives deeper insight into the intricate, organized design of the world around us, explains everyday phenomena that we might take for granted, and ultimately shows us the wisdom and power of our Creator.

Prerequisite:

Satisfactory completion of Algebra I

UConn General Physics I ◊

UConn Courses PHYS 1201Q

1 Semester, .75 credit

Grade 11

UConn Physics is for students who have a career interest in science, engineering, or medicine, or for highly-motivated students seeking a challenge. This course is offered through the University of Connecticut Early College Experience Program. It mirrors Physics 1201Q taught at UConn as first year physics. Students receiving a grade of C (73) or higher during each semester may obtain a transcript from UConn with 4 credits. Students majoring in engineering or science are likely required to take calculus-based physics even if they receive credit for this course. Topics covered include motion in one and two dimensions, Newton's laws of motion, work and energy, momentum and collisions, rotational motion, gravity, torque, solids, fluid mechanics, thermodynamics, simple harmonic motion and sound.

Prerequisites:

B+ (87) or better in Honors Chemistry or A (93) or better in Chemistry

B+ (87) or better in current honors mathematics course or A (93) or better in current mathematics course

◊ Additional course charge of \$150-\$200

UConn General Physics II ◊

UConn Courses PHYS 1202Q

1 Semester, .75 credit

Grade 11

UConn Physics is for students who have a career interest in science, engineering, or medicine, or for highly motivated students seeking a challenge. This course is offered through the University of Connecticut Early College Experience Program. It mirrors Physics 1202Q taught at UConn as first year physics. Students receiving a grade of C (73) or higher during each semester may obtain a transcript from UConn with 4 credits. Students majoring in engineering or science are likely required to take calculus-based physics even if they receive credit for this course. Topics covered include electric fields, magnetic fields, electricity and circuits, light, mirrors and lenses, wave optics, relativity, and nuclear physics.

Prerequisites:

B+ (87) or better in Honors Chemistry or A (93) or better in Chemistry

B+ (87) or better in current honors mathematics course or A (93) or better in current mathematics course

UConn Principles of Biology I ◊

UConn Courses BIOL 1107

1 Semester, .75 credit

Grade 12

These courses follow UConn's syllabus. Subject include biochemistry, cells, cellular respiration, DNA and protein synthesis, cell cycle, mitosis, meiosis, genetics, and human physiology. This is a lab course and includes labs such as cell study, ELISA assay to test for the presence of disease, enzyme lab, and fetal pig dissection. This class requires self-study. Students receiving a grade of C or higher during the course may obtain a transcript from the University of Connecticut with 4 credits.

Prerequisites:

Completion of Chemistry and Physics with grades of B (83) or better

B+ (87) or better in Honors Biology or A- (90) or

better in Biology

UConn Principles of Biology II ◊

UConn Courses BIOL 1108

1 Semester, .75 credit

Grade 12

UConn Early College Experience (UConn ECE) provides academically motivated students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head start on a college degree and other postsecondary opportunities. UConn ECE instructors are high school teachers certified by the University. UConn ECE instructors foster independent learning, creativity, and critical thinking—all important for success in college and careers. Christian Heritage School offers UConn ECE Biology to support rigorous learning. University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE students.

Prerequisites:

Completion of Chemistry and Physics with grades of B (83) or better

B+ (87) or better in Honors Biology or A- (90) or

better in Biology

◊ Additional course charge of \$150-\$200

Astronomy

1 Semester, .5 credit

Grade 12

This science elective will introduce the elements, structure, and operation of the universe. Special attention will be paid to the Earth system and how it functions. Throughout this study, the reality and presence of the designing hand of God will be revealed. The modules of this elective will include:

- The History of Astronomy
- Introduction to Universe
- Astronomical Instruments (telescopes, probes, and robots)
- The Solar System
- Inner Planets
- Earth (Interior, Plate Tectonics, Atmosphere, Weather Systems)
- Outer Planets
- Life Cycle of Stars
- Black Holes, Galaxies, Exoplanets, and Other Stellar Bodies
- Astrobiology (the search for extraterrestrial life and the requirements for life beyond Earth)

Human Anatomy and Physiology

1 Semester, 0.5 credit

Grade 12

This course details the structure and focuses on the function of major body systems, nutrition, and personal health. Students also spent time investigating various disorders that affect the body systems and understand on a molecular level how things function. This course is recommended for students interested in learning more about the structure and functioning of their own bodies.

Prerequisites:

Completion of Biology, Chemistry, and Physics

C (73) or better in Honor Chemistry or B (83) or better in Chemistry

Engineering Design with 3D Printing

1 Quarter, 0.5 credit

Grade 12

This course will introduce students to the engineering design process from setting a goal, designing creative and practical solution, planning, building and experimenting with prototypes, and finalizing the design. Students will learn to use Tinkercad, a 3D solids modeling program to develop designs and 3D slicing software which prepares the design for 3D printing. Assessments will be based upon the completion of projects fabricated with 3D printers. In addition to the required projects, students will have the opportunity to work on projects of their own choosing. Students will also be introduced to 3D sculpting using a 3D printer.

Prerequisites:

Priority given to upperclassmen

SOCIAL STUDIES

The aim of the History Department is ultimately to instill and cultivate a God-centered view of history. Fundamentally, we believe that history is the unfolding of God’s sovereign plan on the earth as viewed from the perspective of mankind. Because the basis for this understanding is found in the Bible, we therefore strive in all courses to derive and apply biblical principles of history within a framework of a biblical worldview. We believe that this approach establishes and enhances objectivity and scholarship. Instead of making man the measure of all things, we endeavor to build a foundation for historical interpretation, analysis, evaluation, etc., upon the unchanging truth of God’s Word. Our goal is for students to gain a comprehensive knowledge of geography, world history, and American history and government and concurrently equip them with tools that enable them to think and discern as Christians in an increasingly secular and non-Christian age. In the pursuit of these goals, it is our earnest desire to help students learn to “take captive every thought to make it obedient to Christ” (II Cor. 10:5), and bring all the glory to the One who is “the King eternal, immortal, invisible, the only God...” (I Tim. 1:17).

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors*
World Civilization I H World Civilization I	World Civilization II H World Civilization II	U. S. History UConn U. S. History To 1877 UConn U. S. History Since 1877	American Government AP Government & Politics Amer. Government is required for graduation

World Regional Studies I

Full year, 1 credit

Grade 6

World Regional Studies is a two-year course for Grades 6 and 7. Students learn the basics of physical geography, including identifying major landforms and how they affect populations. Grade 6 studies the geography, history, and cultures of Asia, Africa, and Oceania. Students practice critical thinking, explore region-specific primary sources, research and writing skills.

World Regional Studies II

Full year, 1 credit

Grade 7

World Regional Studies II is the second year of a two-year course for grades 6 and 7. Students continue to learn the basics of physical geography, including identifying major landforms and how they affect populations. Grade 7 studies the geography, history, and cultures of Europe, North and South America and Africa. Students practices critical thinking, explore region-specific primary sources, research and writing skills.

American History

Full year, 1 credit

Grade 8

American History 8 is an introduction to United States history. The course covers the period from early explorers/pre-colonial America through the second World War. Special emphasis is placed on the American Revolution, the forming of the Constitution, and the Civil War. Students learn the biblical principles that undergird the Declaration of Independence, the Constitution, and our form of government. Students learn to appreciate their rich heritage and, in the process, the goal is that they will grow in a love for their country.

World Civilization I

Full year, 1 credit

Grade 9

World Civilization I is the first year of a two-year course for grades 9 and 10. The areas of study are the ancient civilizations of the Near East and Egypt, classical Greece and Rome, Eastern civilizations (India, China, Japan), African kingdoms, the Middle Ages in Europe, and the Renaissance. The course also includes a study of the role of geography, religion, and culture in the various regions and periods covered. The goal is to conduct all study within a biblical framework to lay a foundation for a proper interpretation and a true understanding of this subject, and to prepare students for World Civilization II.

H World Civilization I

Full year, 1 credit

Grade 9

Honors World Civilization I is an honors level survey into the religious, cultural, political, and economic developments from the ancient Near East through the Renaissance period. While affirming and demonstrating the revealed hand of God in the historical record, this course emphasizes those elements which have provided the most thread for the quilt of Western civilization. As an honors level course, the required reading and writing assignments will be more rigorous, more in-depth and involve greater analysis than the non-honors course.

Prerequisites:

A- (90) or better in current or most recent history course

B (85) or better in current or most recent English course

Department recommendation based on performance in American History (grade 8)

World Civilization II

Full year, 1 credit

Grade 10

World Civilization II is the second year of a two-year course for grades 9 and 10. It begins with the Protestant Reformation and continues to the Cold War era. The course focuses on political, social, and economic themes and movements of the various periods and regions that are studied. Particular attention is given to the rise of modern Western Europe and its influence throughout the world.

H World Civilization II

Full year, 1 credit

Grade 10

Honors World Civilization II is an in-depth survey into the religious, cultural, political, and economic developments from the Protestant Reformation through modernity. While affirming and demonstrating the revealed hand of God in the historical record, this course emphasizes those elements which have provided the most thread for the quilt of Western Civilization. As an honors level course, the required reading and writing assignments will be more rigorous, more in-depth and involve greater analysis than the non-honors course.

Prerequisites:

B (83) or better in Honors World Civilization I

department recommendation

For those not in Honors World Civilization I

A- (90) or better in current or most recent History course

B (85) or better in current or most recent English course or B- (82) or better in honors-level English

Department recommendation based on performance in World Civilization I

United States History

Full year, 1 credit

Grade 11

United States History is a survey of our nation from the time of exploration and colonization to the period of America in transition. The course is approached in a chronological fashion interwoven with political, social, and economic themes and concepts. An integral component of this study is to interpret and evaluate the themes and movements of our history in the light of the principles of Scripture and to cultivate godly knowledge, wisdom, and discernment in the process. The ultimate goal is to bring glory and honor unto God, who is the King of the nations.

UConn United States History to 1877 ◊

UConn Course 1501

1 Semester, .5 credit

Grade 11

UConn US History to 1877 is an introductory college-level course which provides students with a detailed factual knowledge of all facets of American History from exploration/colonization to 1877. The main purpose is to provide the student with a detailed critical and analytical survey of the United States and to produce a student who develops and ultimately obtains active collegiate level study, writing, and reading skills. The final goal is to prepare students for the UConn US History exam and subsequent UConn credit.

Prerequisites:

B (86) or better in Honors World Civilization II AND department recommendation

For those not in Honors World Civilization II:

Department recommendation based on performance in World Civilization I and/or II

A- (90) or better in current or most recent History course

B (86) or better in current or most recent English course or B- (82) or better in honors level English

UConn United States History Since 1877 ◊

UConn Course 1502

1 Semester, .5 credit

Grade 11

UConn US History Since 1877 is an introductory college-level course which provides students with a detailed factual knowledge of all facets of American History from 1877 to the present. The main purpose is to provide the student with a detailed critical and analytical survey of the United States and to produce a student who develops and ultimately obtains active collegiate level study, writing, and reading skills. The final goal is to prepare students for the UConn US History exam and subsequent UConn credit.

Prerequisites:

B (86) or better in Honors World Civilization II AND department recommendation

For those not in Honors World Civilization II:

Department recommendation based on performance in World Civilization I and/or II

A- (90) or better in current or most recent History course

B (86) or better in current or most recent English course or B- (82) or better in honors level English

◊ Additional course charge of \$150-\$200

American Government

1 semester, .5 credit

Grade 12

American Government is a course which includes an examination of the foundations and principles of government, an overview of the United States Constitution, understanding the function and role of political parties, understanding the electoral process, and study of the executive, legislative, and judicial branches of the government. In order to properly interpret and understand the structure, function, and activities of our government, study is conducted within a biblical framework. Students are also challenged to become active and effective citizens of the United States.

Prerequisite:

Satisfactory completion of United States History

AP U.S. Government & Politics

2 semesters, .25 credits each

Grade 12

Honors AP American Government is an introductory college course which provides students with an analytical perspective on government and politics within the United States. The course focuses on constitutional government (both in theory and in practice), political behavior, political parties, special interest groups, mass media, public policy, and issues related to civil rights. The intensive reading and writing requirements of this course develop the skills necessary for students to arrive at conclusions on the basis of informed research and to present that research in an organized and persuasive essay format. Students will also be challenged to become active and effective citizens of the United States.

Prerequisites:

B (86) or better in UConn U.S. History AND department recommendation

For those not in UConn U.S. History:

B (86) or better in current or most recent English course

A- (90) or better in current or most recent History course

Department chair approval

WORLD LANGUAGES

The CHS World Languages Department exists to assist students in communicating in a foreign language so that they are better equipped to fulfill their God-given responsibility to be ambassadors for Christ (2 Corinthians 19b-20a), and to provide vibrant and interactive learning communities that integrate language learning with cultural awareness and appreciation in order to foster celebration of diversity. World language courses emphasize listening, reading, writing, speaking, and culture. Our goal is to develop in students the ability to use language for real life purposes in culturally appropriate ways.

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Gr. 9 World Language is by dept. recommendation only	Spanish II H Spanish II Spanish III H Spanish III	Spanish III H Spanish III H Spanish IV* UConn Spanish Composition	H Spanish IV* UConn Spanish Composition

*Course not offered 2022-2023

Spanish Grade 6

Full year, 1 credit

Grade 6

The goal of this course is to introduce the student to the language and culture. The course includes basic vocabulary, cultural awareness, and grammar learned indirectly. Emphasis is on developing listening and speaking skills, and an enthusiasm for language study.

Spanish Grade 7

Full year, 1 credit

Grade 7

Spanish 1 introduces the Spanish language and culture. The course begins with basic conversations and progressively builds upon them. The course develops listening, reading, writing, grammar, and cultural awareness skills. Special emphasis is placed upon correct pronunciation so that the students have a good basis for developing further conversational skills. Students also learn simple Bible verses in Spanish.

Middle School Spanish I

Full year, 1 credit

Grade 8

Spanish 1 introduces the Spanish language and culture. The course begins with basic conversations and progressively builds upon them. The course develops listening, reading, writing, grammar, and cultural awareness skills. Special emphasis is placed upon correct pronunciation so that the students have a good basis for developing further conversational skills. Students also learn simple Bible verses in Spanish.

Spanish I

Full year, 1 credit

Grade 9 (by dept. recommendation only)

Spanish 1 introduces the Spanish language and culture. The course begins with basic conversations and progressively builds upon them. The course develops listening, reading, writing, grammar, and cultural awareness skills. Special emphasis is placed upon correct pronunciation so that the students have a good basis for developing further conversational skills. Students also learn simple Bible verses in Spanish.

Spanish II

Full year, 1 credit

Grades 9-10 (Gr. 9: by dept. recommendation only)

This course reviews basic speaking, listening, reading, writing, and cultural awareness skills and introduces intermediate ones. Vocabulary and grammar are learned in context with emphasis on building conversational skills. Students continue to memorize key Bible verses in Spanish.

Prerequisite:

Grade 10: Satisfactory completion of Spanish I

Grade 9: B- (80) or better in Spanish I

H Spanish II

Full year, 1 credit

Grades 9-10 (Gr. 9: by dept. recommendation only)

This honors course is designed to prepare students to continue on to H Spanish III. The pace is much faster than in Spanish II. This course reviews grammar, pronunciation, speaking and reading and writing skills and introduces advanced skills in each of these areas. Additional cultural awareness is emphasized. Reading selections include authentic literature. Students memorize longer Bible verses in Spanish. The majority of this course is taught in Spanish. Students are expected to begin conversing in Spanish.

Prerequisites:

A- (90) or better in Spanish I

B (85) or better on Spanish I final exam

Spanish III

Full year, 1 credit

Grades 10-11

This course reviews grammar, speaking, and reading and writing skills and introduces intermediate skills in each of these areas. Additional cultural awareness is emphasized. Reading selections begin to include authentic literature from the Spanish-speaking world. A large emphasis is placed upon developing conversational skills. Students memorize longer Bible verses in Spanish. The majority of this course is taught in Spanish.

Prerequisite:

Satisfactory completion of Spanish II

H Spanish III

Full year, 1 credit

Grades 10-11

This honors course is designed to prepare students to continue on to UConn Spanish. The pace is much faster than in Spanish 3. This course reviews grammar, pronunciation, speaking and reading and writing skills and introduces advanced skills in each of these areas. Additional cultural awareness is emphasized. Reading selections include authentic literature, and a large emphasis is placed upon developing conversational skills. Students memorize longer Bible verses in Spanish. The majority of this course is taught in Spanish. Students are expected to converse primarily in Spanish.

Prerequisites:

A- (90) or better in Spanish II

B(85) or better on Spanish II final exam

H Spanish IV*

Full year, 1 credit

Grades 11-12

**course not offered 2022-2023*

This course is focused on Spanish literature. Students continue to review and improve grammar, pronunciation, speaking, reading, and writing skills at a more advanced level. Students continue to adopt cultural awareness and memorize Bible verses in Spanish with an emphasis on verses to lead a Spanish speaker to faith in Jesus Christ. The majority of the course is taught in Spanish.

Prerequisites:

Satisfactory completion of Spanish III / UConn Spanish

Department chair approval

UConn Spanish Composition◊

Full year, 1 credit

Grades 11-12

This dual credit course provides a thorough review of grammar and methodical practice in composition leading to command of practical idioms and vocabulary. The course uses authentic readings of various genre as models of writing and composition. It will concentrate on the study of advanced vocabulary and grammatical structures through the use of authentic texts.

Prerequisites:

Satisfactory completion of Spanish III/H Spanish III

Department recommendation

◊Additional course charge of \$150-\$200

HEALTH & PE

The goal of the Physical Education and Health Department is to inform students how to develop a healthy lifestyle pleasing to God. The students are taught to form desirable habits in the care of their body and to develop respect for their body as the temple of the Holy Spirit. Health classes focus on human anatomy and physiology, mental health, social health, and physical fitness concepts. The classes are taught in a way where the students can apply the concepts of the class to their own lives. Physical Education class is in a safe, non-threatening environment where sportsmanship and personal fitness are the most important objectives of the class. Students develop an appropriate level of physical fitness, motor skills, and sports skills throughout the class. Our desire as a department is that our students leave the classroom with an appreciation of the benefits of health education coupled with a desire to adhere to a personal health and fitness plan.

Physical Education 6

Full year, .5 credit

Grade 6

Physical Education in grades 6 focuses on the importance of fitness during the transition into adolescence. Emphasis is placed upon cardiovascular fitness as well as flexibility. Team sports are employed to give students enjoyable opportunities to achieve physical fitness.

Physical Education 7

Full year, .5 credit

Grade 7

Physical Education in grades 6 focuses on the importance of fitness during the transition into adolescence. Emphasis is placed upon cardiovascular fitness as well as flexibility. Team sports are employed to give students enjoyable opportunities to achieve physical fitness.

Health 7

1 Semester, .5 credit

Grade 7

This discussion-oriented course is designed to build a student's knowledge base in the three areas of the health triangle: social, emotional, and physical, so that the students can make informed choices throughout their lives. Topics include: communication, developing relationships, human body systems, human development, nutrition, weight management, physical fitness, and resisting illegal drug, tobacco, and alcohol use.

Health 9

1 Semester, .5 credit

Grade 9

The students in this course develop the ability to set health goals, practice responsible decision-making, and use resistance skills in the following areas of study: stress management, communication, relationships, conflict resolution, proper nutrition, healthful weight management, personal physical fitness, human body systems,

Physical Education 10

1 Semester, .5 credit

Grade 10

Physical Education in grade 10 focuses on the importance of fitness. Emphasis is placed upon cardiovascular fitness as well as flexibility. Team sports are employed to give students enjoyable opportunities to achieve physical fitness.

Students may earn a physical education exemption credit if they participate in two seasons of high school sports before graduation.

PERFORMING ARTS

The Christian Heritage School performing arts program is designed to cultivate, encourage, and develop the creative abilities of students. Because we are committed to excellence, students are challenged individually and corporately to present their best creative effort, as coached by their instructors. The study of the arts allows students to nurture God-given gifts, faithfully using these gifts for His glory. Students will be required to have .5 credit of Arts (Visual and/or Performing) for graduation.

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Concert Choir Symphonic Band Jazz Band Kingsmen Singers Music & Media Tech Drama*	Concert Choir Symphonic Band Jazz Band Kingsmen Singers Music & Media Tech Drama*	Concert Choir Symphonic Band Jazz Band Kingsmen Singers Music & Media Tech Drama*	Concert Choir Symphonic Band Jazz Band Kingsmen Singers Music & Media Tech UConn Music Fundamentals 1 UConn Music Fundamentals 2 Drama*

***Course not offered 2022-2023**

Grade 6 Band

Full year, .5 credit

Sixth Grade Band is a year-long course designed to develop musical independence in all participants. Students accomplish this while being exposed to appropriate works of the wind band repertoire. In band, students are able to demonstrate a progressive ability to perform on an instrument with accuracy and artistry. Finally, band students discover joy and satisfaction in the process of collective music-making that points them to the Creator of all things beautiful.

Middle School Band

Full year, .5 credit

Grades 7-8

Middle School Band is a year-long course designed to expose middle school students to appropriate major works of the wind band repertoire while developing musical intellect, skill, and expression in an ensemble setting. In band, students are able to demonstrate a progressive ability to perform on an instrument with accuracy and artistry. Finally, band students discover joy and satisfaction in the process of collective music-making that points them to the Creator of all things beautiful.

Middle School Chorus

Full year, .5 credit

Grades 6-8

The purpose of this course is to expose students to many styles of music and to develop their individual voices. Students will develop basic fundamental skills in vocal production and choral reading techniques as they are exposed to various choral works and music styles. Emphasis on rehearsal and concert etiquette both as a performer and an attendee helps the young musician to grow as a values member of a choral ensemble. The in-class rehearsals culminate in two performance concerts during the school year, one in December and the other in May.

Concert Choir

Full year, .5 credit

Grades 9-12

The purpose of the Concert Choir is to provide students with musical ensemble experiences within a large choral ensemble setting. The content will include, but not be limited to, enabling students to develop fundamental skills in characteristic vocal production, choral techniques, exposure to various SATB choral works, reading and interpretation of octavo and concert etiquette both as a performer and attendee. The study of vocal singing encourages each student to grow as both a musician and as a responsible and valued member of a choral ensemble. The in-class rehearsals culminate in two performance concerts during the school year, one in December and the other in May.

Prerequisite

A meeting with the instructor is required.

Symphonic Band

Full year, .5 credit

Grades 9-12

Symphonic Band is a year-long course designed to expose students to appropriate major works of the wind band repertoire while developing musical intellect, skill, and expression in an ensemble setting. In band, students are able to demonstrate a progressive ability to perform on an instrument with accuracy and artistry. Finally, band students discover joy and satisfaction in the process of collective music-making that points them to the Creator of all things beautiful.

Prerequisite

Prior music performance experience on a band instrument is recommended

Kingsmen Singers

Full year, .5 credit

Grades 9-12

Chamber Choir is a year-long before-school course designed to enhance students' vocal music experience by providing an opportunity for interested musicians to sing in a small group setting. The literature covered in this choir includes many genres of vocal music, from renaissance to contemporary styles. The goal is to expose students to many styles of choral singing and to discover the uses each has in today's world.

Prerequisite

Auditions are required. All students must be members of the Concert Choir.

Jazz Band

Full year, .5 credit

Grades 9-12

Jazz Band is a year-long after-school course designed to expose students to works of the jazz and other popular music genres while developing musical creativity and technical skill in an ensemble setting. Special emphasis is placed on instrumental improvisation - a skill to be cultivated for playing jazz music.

Prerequisite

Auditions are required. Wind and percussion instruments must also be a part of Symphonic Band. Rhythm section members must also participate in either the Symphonic Band or Concert Choir.

Music and Media Technology

Full year, .5 credit

Grades 9-12

The goal of this course is to provide students with an opportunity to learn how to create, record, and produce all kinds of music in a lab setting. Music and Media Technology students accomplish this using an array of audio software applications and equipment like Sound Trap, Ableton, Garageband, Audacity, MIDI keyboards and recording interfaces. Students create computer-based drum beat patterns, bass lines and melodies, while cultivating personal listening skills. This course is a great opportunity for all students who love to listen to music and play any instrument in any capacity; no prior music performance skills are required. Enrichment learning opportunities incorporate other media applications into class projects (i.e., photo and video work combined with music). Other learning extensions include work in a “live” setting with sound and technology equipment (CHS events like chapels, concerts and plays).

UConn Music Fundamentals & Ear Training I ♦

UConn Course MUSI 1011

1 Semester, .5 credit

Grade 12

UConn Music Fundamentals 1 is a one semester course designed for students who want a deeper understanding of how music works in the Western world. (At UCONN, this course is a first semester course required of all music minors, but open to all interested students.) Course content includes written work in music theory, notation and form. Aural skills (ear training and sight singing) and basic keyboard skills are also addressed. The primary objective is to enhance music literacy for all students enrolled. It is suggested that all students enrolled in this course have prior experience as a vocalist or instrumentalist.

UConn Music Fundamentals & Ear Training II ♦

UConn Course MUSI 1011

1 Semester, .5 credit

Grade 12

UConn Music Fundamentals II is a one semester course designed for students who want a deeper understanding of how music works in the Western world. (At UCONN, this course is a second semester course required of all music minors, but open to all interested students.) Course content includes written work in music theory, notation and form. Aural skills (ear training and sight singing) and basic keyboard skills are also addressed. The primary objective is to enhance music literacy for all students enrolled. It is suggested that all students enrolled in this course have prior experience as a vocalist or instrumentalist.

Prerequisite:

Satisfactory completion of UConn Music Fundamentals & Ear Training I

Drama

1 Semester, .5 credit

Grades 9-12

In Drama, students will focus on growing in their confidence and comfort on stage by identifying their individual acting “superpowers” and working to incorporate these into their performances. Through focused acting exercises, improvisations, and the devising and writing of original work, students will learn how to incorporate their personal experiences into their work on stage. Various class time activities will include monologues, group exercises and concentrated scene work.

VISUAL ARTS

The Christian Heritage School visual program is designed to cultivate, encourage, and develop the creative abilities of students. Because we are committed to excellence, students are challenged individually and corporately to present their best creative effort, as coached by their instructors. The study of the arts allows students to nurture God-given gifts, faithfully using these gifts for His glory.

Courses available to Freshmen*	Courses available to Sophomores*	Courses available to Juniors*	Courses available to Seniors*
Drawing 2D: Design Painting Printmaking	Drawing 2-D: Design Painting Printmaking	Drawing 2-D: Design Painting Printmaking H Art	Drawing 2-D: Design Painting Printmaking H Art

**not all courses offered every year*

Art 6

1 semester, .25 credit

Grade 6

This class provides students with a formal introduction to the principles of art and elements of design. Every project is centered around a specific artist and style of art. Students achieve technical skills in various art media such as drawing, painting, printmaking, and sculpting.

Art 7

1 semester, .25 credit

Grade 7

This class provides students with a formal introduction to the principles of art and elements of design. Every project is centered around a specific artist and style of art. Students achieve technical skills in various art media such as drawing, painting, printmaking, and sculpting.

Art 8

1 semester, .25 credit

Grade 8

This class provides students with a formal introduction to the principles of art and elements of design. Every project is centered around a specific artist and style of art. Students achieve technical skills in various art media such as drawing, painting, printmaking, and sculpting.

Painting

2 semesters, .25 credit each

Grades 9-12

Drawing is a studio course that focuses on aesthetic awareness, problem solving, and developing observational and technical skills in drawing. This course will cover the fundamentals of mark-making, value, and line, with a major emphasis on art history and reflective analysis of works created by master artists and peers. Students will develop technical skills in various painting media such as acrylic, watercolor, and ink.

Drawing

2 semesters, .25 credit each

Grades 9-12

Drawing is a studio course that focuses on aesthetic awareness, problem solving, and developing observational and technical skills in drawing. This course will cover the fundamentals of mark-making, value, and line, with a major emphasis on art history and reflective analysis of works created by master artists and peers. Students will develop technical skills in various drawing media such as graphite, charcoal, colored pencil, marker, pastel, and ink.

2-D: Design

Full year, .5 credit

Grades 9-12

Two-Dimensional Design (2D) is a studio course exploring the formal elements and principles of visual design. Each project is centered around a specific element of art or principle of design. This course places a major emphasis on problem solving and the historical and cultural context in which works of art are produced. Students will develop technical skills in various art media such as drawing, painting, printmaking, and sculpting.

Printmaking

2 semesters, .25 credit each

Grades 9-12

Printmaking is a studio course that introduces a range of printmaking methods including relief, intaglio, stencil, and monoprint. Printmaking is varied, repeatable, and tactile, with images printed as unique works, as multiples, or as variations, using an array of processes. Concepts of drawing, design, color, layering, mark, and space are emphasized. Students will build on process, experiment with print media, and think creatively and critically.

H Art

2 semesters, .25 credit each

Grades 11-12

Course description TBD

ELECTIVES

Courses available to Freshmen	Courses available to Sophomores	Courses available to Juniors	Courses available to Seniors
Yearbook Python Coding 1	Yearbook Introduction to Business	Yearbook Introduction to Business UConn Problems of Philosophy	Yearbook Introduction to Business UConn Problems of Philosophy

Introduction to Coding with Python

Full year, .5 credit

Grade 7

The students will learn to code using Python. The course is entirely browser-based, including an Integrated Development Environment (IDE) that students use to create and run their programs. Using the IDE, students will learn coding by creating shapes; they will write their code and watch their drawings appear and eventually move on the screen as they advance through the course.

Python Coding 1

2 semesters, .5 credit

Grade 9

Python Coding will be the beginning of a deep dive into the fundamentals of programming concepts and teaches the test-based coding using Python. This class is predicated on the notion that learning about programming and computer science should be fun and engaging. In our introduction to the programming course we expose students to graphics-based problem solving because it is visually engaging, allow for multiple correct solutions, and provides visual cues when a solution goes awry.

Yearbook

Full year, .5 credit

Grades 9-12

The Yearbook course at Christian Heritage is designed to develop students' skills in print media production. Students learn basic principles of production and develop skills including: writing copy, captions, and headlines; digital photography; working with a publishing program, and other technological tools for media production. The Yearbook course is designed to support students' development as writers, photographers, editors, independent users of technology, and as responsible contributing members of the Christian Heritage community. Please note: yearbook staffers may be asked to spend extra time during lunch, before and after school, study halls, weekends, and other time outside of the classroom to help the publication meet strict deadlines. It should also be noted this course is selective and individuals seeking to take the course must go through a validation process.

Entrepreneurial Business ◇**2 semesters, .25 credit each***Grades 10-12*

Intended as practical and applied to the real challenges and opportunities of starting and running a business. Concepts including pitching ideas, basic business theory, personal finance, and public speaking is taught, but this is definitely a course where the application of theory to real business situations is the focus. Startup businesses and entrepreneurship are huge factors in our current economy and that of the future; we want our students prepared for that future.

◇ there is a \$25.00 fee for this course

UConn Problems of Philosophy◇**UConn Course PHIL 1101****2 semesters, .25 credit each***Grades 11-12*

This is an introductory course in philosophy. Students study the principles of logic and reasoning, logical fallacies, and introduce the major problems of metaphysics, ontology, epistemology, and ethics. Students sample some of what has been written on topics such as the existence of God, the problem of evil, and the nature of morality, knowledge, being, personhood, and the meaning of life. Reading will include the writings of Plato, David Hume, Rene Descarte, John Stuart Mill, and Gottfried Leibniz, as well as evangelical theologians of the last two millennia. Students should expect 50-60 pages of reading per week and significant writing assignments. This course includes the viewing of films with philosophic themes.

Prerequisite:

Instructor approval

◇ there is a \$150-\$200 fee for this course