



Christ the King Catholic High School Course Catalog 2016-2017

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The School Mission

The Mission of Christ the King Catholic High School is to believe sincerely, think critically, act responsibly, and serve others in the name of Christ the King.

Our Beliefs

We believe individuals should model and integrate the teachings of Christ the King in all areas of conduct in order to nurture faith and inspire action.

We believe prayer, worship, and reflection are essential elements, which foster spiritual and moral development of our students, faculty, and staff.

We believe in cultivating a supportive, healthy and challenging environment that recognizes the dignity, needs, and diversity of all individuals.

We believe academic excellence is a priority as teachers set high expectations of performance while providing appropriate resources and academic challenges.

We believe opportunities should be provided for parents and the local community to participate in and support Christ the King Catholic High School.

The Twin Pillars of Faith and Reason

Blessed John Paul II proclaimed in his 1998 encyclical, *Fides et Ratio*, that “faith and reason are like two wings on which the human spirit rises to the contemplation of truth.” Taking inspiration from our late Pope’s wisdom, Christ the King Catholic High School aims to lift its academic programs to a plane that is worthy of human dignity. Anchored to the twin pillars of faith and reason, all of our academic endeavors—classes, field trips, seminars, and independent study projects—are designed to develop our students’ minds within the light of our glorious Faith, and thereby empower them to soar to the “contemplation the truth.”

Christ the King Catholic High School Graduation Requirements

English (4 Credits)

✓	Year	Course Title	CP	H	AP
	9	Literature and Composition			
	10	World Literature			
	11	American Literature			
	12	Seminar Series -or- AP Language			

Math (4 Credits)

✓	Year	Course Title	CP	H	AP
	8				
	9				
	10				
	11				
	12				

Science (3 Credits)

✓	Year	Course Title	CP	H	AP
	9	Freshmen Physics			
	10	Chemistry			
	11	Biology			

Social Sciences (4 Credits)

✓	Year	Course Title	CP	H	AP
	9	The Fundamentals of Historical Study (.5 credit)			
	10	World History			
	11	US History			
	12	Government (.5 credit) or AP Government			

Core Curriculum for Critical Catholic Thinking (Social Science Credits)

✓	Year	Course Title	CP	H	AP
	9	Logic and Argumentation (.5 credit)			
	12	Philosophy (.5 credit)			

Theology (4 Credits)

✓	Year	Course Title
	9	The Revelation of Christ in Scripture
		Who is Jesus Christ?
	10	The Mission of Jesus Christ (The Paschal Mystery)
		Jesus Christ's Mission Continues in the Church
	11	Sacraments as Privileged Encounters with Jesus Christ
		Life in Jesus Christ
	12	Catholic Social Teaching OR Ecumenical & Interreligious Issues
		Catholic Apologetics

Health and Wellness (1 Credit)

✓	Year	Course Title
	9	Health and Wellness
	10	Physical Education

Fine Arts (1 Credit)

✓	Credit	Course Title

World Languages (2 Credits)

✓	Year	Course Title	CP	H	AP

Electives (4 Credits)

✓	Credit	Course Title	CP	H	AP

AP Policy

At Christ the King, we limit students' AP courses to 1 sophomore year, 2 junior year, and 2 senior year. We set this policy because we believe that limiting AP courses allows students to live more well-balanced lifestyles and focus on their grades in other courses. We explain this specifically in our college profile which is sent with Christ the King transcripts to colleges. Therefore, colleges only expect that student will take a maximum of 5 AP courses over the course of their high school careers. Students are not "penalized" for taking this amount.

Occasionally, capable students who want to pursue even more academic rigor will be allowed to take 3 AP courses upon their request. We do not recommend this as it requires an extraordinary amount of hard work and time management. Therefore, in order to be permitted to take 3 AP courses, several standards must be met:

For rising seniors:

- Students must have taken 2 AP courses during their junior year
- Students must have made at least an A- in their AP courses

For rising juniors:

- Students must have taken 1 AP course during their sophomore year
- Students must have made at least an A- in their AP course
- Students must have made at least an A- in all of their honors courses during sophomore year

Grading Scale

The following numerical equivalent scale is used for all courses:

100-97	96-93	92-90	89-87	86-83	82-80	79-77	76-73
A+	A	A-	B+	B	B-	C+	C
4.33	4	3.7	3.3	3	2.7	2.3	2

72-70	69-68	67-66	65	>65
C-	D+	D	D-	F
1.7	1.3	1	.7	0

CTK Honors Diploma

Honors Diploma Requirements

A student shall earn the distinction of 'Crusader Honor Graduate' if he/she achieves all four of the following:

1. a weighted 3.75 GPA
2. extraordinary independent initiative in four courses at either the honors or AP-level
3. completion of four Advanced Placement courses
4. successful completion of the CTK Horizon Research Project

Honors Diploma Concentrations

- Students who wish to earn an honors diploma with a STEM concentration must demonstrate their extraordinary independent initiative in at least three math or science courses.
- Students who wish to earn an honors diploma with a humanities concentration must demonstrate their extraordinary independent initiative in at least three history or literature courses.
- Students who wish to earn an honors diploma with a theology concentration must demonstrate their extraordinary independent initiative in at least three theology courses.
- Students who wish to earn a general studies honors diploma may demonstrate extraordinary independent initiative in any four courses.

Extraordinary Independent Initiative

Extraordinary independent initiative in courses can be demonstrated in a variety of ways. However, the initiative should include, at minimum, ten hours of academic research and/or field experience, and some form of presentation of the research.

Requirements/Timeline

The student who wishes to earn an honors diploma should make a declaration of intent at the time he/she registers for his/her junior classes. A student shall complete this declaration in consultation with his/her advisor.

Students who wish to demonstrate independent initiative in a course must earn a B average for the first semester for a yearlong course, and may carry out the initiative at any point during the second semester. Students in a semester-long course must earn a B average for the first quarter of the course, and will carry out the initiative at any point during the second quarter of the semester-long course.

Independent Initiatives Proposals must be approved by course instructors of yearlong courses by January the 30th.

Independent Initiatives Proposals must be approved by course instructors of semester-long courses by November the 10th for first-semester courses; by April 5th for second-semester courses.

Some examples of independent-initiative projects include the following:

- Research + Research Paper + Presentation
- Research + Interviews/Consultations with experts in area of research + Presentation
- Research + Special labs/Experiments + Presentation
- Internship

Considerations

Students who have discovered a passion are strongly encouraged to find avenues by which they can pursue their passions. Many colleges are looking for students who have demonstrated commitments to a particular area of study. For example, if a student knows that he/she is interested in becoming a diplomat, he/she might complete an independent research project in World History on the diplomacy of WWII, explore the health concerns of a third-world country in Biology, design and carry out an independent study course by interning at the World Affairs Council of Charlotte, and use the Horizon Project to investigate a particular diplomatic challenge.

It is also highly recommended for honors students to design and keep a portfolio of their independent initiatives.

Departmental Descriptions and Course Descriptions

Theology

The goal of the CTK Theology program is to instill and nurture within the students both a knowledge of, and a love for, the Revelation of Jesus Christ through His Holy Church. The program has, as its aim, to bring the students to a deeper understanding of the content of the Catholic Faith and to aid the students as they internalize the teachings of Jesus Christ. Of fundamental importance is the utilization of class discussions on the theological, moral, spiritual, and social dimensions of the life of a believer in our age and culture. Students will go deeper in their faith through a practical study of the Church's teachings, technology-based exploration of the richness of Christian culture, discussions, lectures, and other teaching techniques. Through a careful study and discussion of Sacred Tradition, Sacred Scripture, the Magisterium, and the beauty of the Church's history, the students will come to a more comprehensive understanding of the truth, beauty, and reliability of the Revelation of Jesus Christ and His Holy Church.

The study of the Catholic Faith will take place, for the students of our generation, in the context of a culture characterized by doubt, disbelief, indifference, and even hostility toward the Christian faith and moral values. Being a school founded on the twin pillars of faith and reason, the Faith will be presented at CTK as something both reasonable and challenging, beautiful and demanding. As students are led into a deeper understanding of the Faith, they will be guided how to wrestle with the demands it makes of them and how to develop the skills to respond to the saving Truth.

The progression of the courses in Theology is determined by the United States Conference of Catholic Bishops who set out a general curriculum for Catholic high schools. Electives will be determined by both the suggestions of the USCCB Curriculum and those offered by Christ the King faculty.

Theology 9 A: The Revelation of Jesus Christ in Scripture (.5 credit)

013

The purpose of this course is to give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will come to encounter the living Word of God, Jesus Christ. In the course they will learn about the Bible, authored

by God through Inspiration, and its value to people throughout the world. They will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally. (USCCB Curriculum Framework)

Theology 9 B: Who is Jesus Christ? (.5 credit)

014

The purpose of this course is to introduce to students to the mystery of Jesus Christ, the living Word of God, and the Second Person of the Blessed Trinity. In this course students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who he is, the students will also learn who he calls them to be. (USCCB Curriculum Framework)

Theology 10 A: The Mission of Jesus Christ (The Paschal Mystery) (.5 credit)

023

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. Through this course of study, students will learn that for all eternity, God has planned for us to share eternal happiness with him, which is accomplished through the redemption Christ has won for us. Students will learn that they share in this redemption only in and through Jesus Christ. They will also be introduced to what it means to be a disciple of Christ and what life as a disciple entails. (USCCB Curriculum Framework)

Theology 10 B: Jesus Christ's Mission Continues in the Church (.5 credit)

024

The purpose of this course is to help the students understand that in and through the Church they encounter the living Jesus Christ. They will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by him through the Holy Spirit. The Student will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. In this course, students will learn not so much about events in the life of the Church but about the sacred nature of the Church. Material related to the ongoing plan of salvation history, revelation and tradition, the nature of the teaching authority of the Church and the ongoing need in the Church to address concerns of the times throughout its history in ways that are faithful to the proclamation of the Gospel will be key areas of study throughout the semester. (USCCB Curriculum Framework)

Theology 11 A: Sacraments as Privileged Encounters with Jesus Christ (.5 credit)

033

The purpose of this course is to help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. (USCCB Curriculum Framework)

Theology 11 B: Life in Jesus Christ (.5 credit)

034

The purpose of this course is to help students understand that it is only through Christ that they can fully live out God’s plans for their lives. Students are to learn the moral concepts and precepts that govern the lives of Christ’s disciples. (USCCB Curriculum Framework)

Catholic Apologetics (.5 credit: REQUIRED for Seniors)

041

The purpose of this course is to enable students to engage in a conversation about the fundamental principles of the Church and explain clearly with effective reason the truth of those principles of faith on which the Church is grounded. With a solid foundation in the doctrine and teachings of the Catholic faith, the student will learn reasoned answers to various questions of faith and be able to use these answers in an apologetic dialogue. Students will be given the abilities to understand the nature, power and limitation of apologetics, learn about the relationship between faith and reason, explore arguments for the existence of God, and understand objective truth and the dichotomy between Christianity and other religions.

The Social Teaching of the Catholic Church (.5 credit: In addition to Catholic Apologetics, seniors will choose between either The Social Teaching of the Catholic Church and Ecumenical and Interreligious Issues)

042

The purpose of this course is to introduce students to the Church’s social teaching. In this course, students are to learn how Christ’s concern for others, especially the poor and needy, is present today in the Church’s social teaching and mission. Students will

study issues related to the unity of mankind, justice, the moral law, the dignity of human life, and the social dimensions of the Commandments.

Ecumenical and Interreligious Issues (.5 credit: In addition to Catholic Apologetics, seniors will choose between either The Social Teaching of the Catholic Church and Ecumenical and Interreligious Issues)

043

The purpose of this course is to help the students understand the manner in which the Catholic Church relates to non-Catholic Christians as well as to other religions of the world. Building on the foundational truth that Jesus Christ established the Catholic Church and entrusted to her the fullness of God's Revelation, the course is intended to help students to recognize the ways in which important spiritual truths can also be found in non-Catholic Christian churches and ecclesial communities as well as in non-Christian religions. It is also intended to help them to recognize the ways in which other systems of belief and practice differ from the Catholic Faith.

Catholic Literary Giants (.5 credit)

052

This elective course will focus on a study of the writings of great Catholic literary giants, such as J.R.R. Tolkien, G.K. Chesterton, R. H. Benson, and Hilaire Belloc, among others, with honorary mention to C.S. Lewis. Special attention will be paid to the writings of J.R.R. Tolkien, in particular *The Lord of the Rings* and *The Silmarillion*, in addition to other literature in the style of mythology and allegory, and other Christian-themed works. Students will be expected to be familiar with these two books, and additional works will be read throughout the course. Students will be guided through their readings in order to see the hidden and veiled expressions of the Catholic faith in these works. Class discussion, reading, research, and writing will be key components of this course.

Prerequisite: Completion of Freshman year

English

The role of the English Department of Christ the King Catholic High School is to challenge students to be

- accomplished writers. Students will formulate arguments; weigh, select, and correctly cite evidence; reason logically and effectively; express personal views; use language imaginatively; and present their collected works in clear, grammatically correct prose.
- critical readers. Students will cultivate a respect for reading a rich diversity of genres, becoming intellectually and emotionally engaged, and comprehending and appreciating an author's diction, syntax, tone, style, ideas, and methods in the historical context of the work.
- empathetic, Catholic beings. Students will analyze and respond, both orally and in writing, to the universal connections made between works of literary merit and cultural history, as well as their own lives and the lives of others, as we all participate in the process of nurturing our faith.
- interactive scholars of the world. Students will establish and understand the interconnectedness among each discipline in the context of our faith.

Composition and Literature 9 (1 credit)

211

The CTK freshman English class sets the framework for the writing process. In conjunction with the principles and theories learned in Logic class (see course description) and in keeping with the CTK twin pillars of faith and reason, students will navigate through the writing process, reading and referencing classic literary works. Students will recognize that successful writing requires sustained effort, sound argumentation, and persistence.

Honors Composition and Literature 9 (1 credit)

212

Honors students will complete the same coursework as the Composition and Literature students (see above) at advanced pace. They will write additional essays. Honors students will additionally read at least two to four major literary works both inside and outside of class independently.

Prerequisites:

1. Recommendation of Middle School English Teacher
2. CTK Placement Exam

World Literature 10 (1 credit)

222

To facilitate an understanding of the commonalities and the differences created by cultures, CTK sophomores will explore the strikingly similar patterns of characters and themes throughout the world. In conjunction with World History (see course description) and in keeping with the CTK twin pillars of faith and reason, through the mediums of art, literature, politics, and religion; students will make and support assertions about texts at an evaluative level.

Honors World Literature 10 (1 credit)

223

Honors students will complete the similar coursework as the World Literature students (see above) at advanced pace. They will write additional essays and read additional texts. Honors students will additionally independently read assigned texts as well as read supplementary texts in class.

Prerequisites:

1. Grade of 85 in AP English, 90 in Honors English, or 93 in CP English
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

USA Literature 11 (1 credit)

232

This survey course of USA literature incorporates the major genres, enabling students to understand the imagery and recurring themes that define USA literature. In conjunction with USA History (see course description) and in keeping with the CTK twin pillars of faith and reason, students focus on the essential questions of "What does it mean and has it meant to be a citizen of the United States and a Catholic?" The practice of close reading is emphasized in all literature units, while writing assignments focus on literary style and audience. Students also practice for the SAT and prepare for the college entrance personal essay.

Honors USA Literature 11 (1 credit)

231

This survey course of USA literature incorporates the major genres, enabling students to understand the imagery and recurring themes that define USA literature. In conjunction with USA History (see course description) and in keeping with the CTK twin pillars of faith and reason, students focus on the essential questions of "What does

it mean and has it meant to be a citizen of the United States and a Catholic?" The practice of close reading is emphasized in all literature units, while writing assignments focus on literary style and audience. Students also practice for the SAT and prepare for the college entrance personal essay. In addition to the reading required in English 11, students in Honors classes will read independently and be evaluated on an additional two to four major literary works per semester.

Prerequisites:

1. Grade of 85 in AP English, 90 in Honors English, or 93 in CP English
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

AP USA Literature (1 credit)

233

This college-level course engages students in intensive close reading and critical analysis of various genres and time periods of texts to understand the ways writers craft their texts. Extensive formal and informal writing, an integral part of any college-level English course, will involve response and reaction papers, as well as writing to explain and/or to evaluate a literary work. The goal of writing assignments is to increase students' ability to explain clearly and cogently what they understand about literary works and why they interpret them as they do. Also, students will complete the required coursework for Honors USA Literature. (Syllabus on file at College Board.)

Prerequisites:

1. Grade of 85 in AP English, 90 in Honors English, or 93 in CP English
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

Shakespeare Seminar (.5 credit)

253

This course will explore, read, perform, and analyze many of the plays of William Shakespeare. In addition to discussing the themes and ideas that emerge in these plays, we will also explore Shakespeare's linguistic and dramatic achievements through careful readings of the texts. One very important guideline- to remember that Shakespeare's plays are just that- plays that were meant to be performed on a stage in front of a live audience. And so while the course is not an Acting or Performance course, everyone in the class should be open to and willing to participate in this aspect of the study of Shakespeare's plays.

Honors Shakespeare Seminar (.5 credit)

254

This course will explore, read, perform, and analyze many of the plays of William Shakespeare. In addition to discussing the themes and ideas that emerge in these plays, we will also explore Shakespeare's linguistic and dramatic achievements through careful readings of the texts. One very important guideline- to remember that Shakespeare's plays are just that- plays that were meant to be performed on a stage in front of a live audience. And so while the course is not an Acting or Performance course, everyone in the class should be open to and willing to participate in this aspect of the study of Shakespeare's plays.

The Honors students of the Shakespeare Seminar will read and study two additional plays by Shakespeare, to be determined by the instructor(s) teaching the class. In addition to the assessments on these plays, the students will have a number of additional writing assignments, exploring the themes, storylines, and characters in Shakespeare's works.

British Literature (.5 credit)

252

Honors British Literature (.5 credit)

251

English 12 is a semester-long survey course built around British Literature and composition. The intent is for students to develop as strong writers through reading, writing, and revising. Students will focus on exemplary British literature, which displays different writing techniques spanning from diction to prolonged narrative tools. Beginning with the choice of a single word the student will notice the deliberateness behind the act of writing, and develop the rigor, focus, and attention required of the craft. Students will also dedicate time to uncovering perspectives of Catholic teaching in the studies of time honored literary works.

Works may include *Canterbury Tales*, *Pride and Prejudice*, *Gulliver's Travels*, *Frankenstein*, *1984*, *Brave New World*, *Jekyll and Hyde*, and *Pygmalion*.

Shorter works may include poetry and prose selections from Coleridge, Wordsworth, Blake, Shelley, Byron, Yeats, Thomas, McCourt, and ...

AP Language (1 credit)

250

This college-level course engages students in intensive close reading and critical analysis of various genres and time periods of non-fiction texts to understand the ways writers use language for their readers. Extensive formal and informal writing, an integral part of any college-level English course, will involve response and reaction papers, as well as writing to explain and/or to evaluate a literary work. The goal of writing assignments is to increase students' ability to explain clearly and cogently what they understand about literary works and why they interpret them as they do. Also, students will complete the required coursework for Honors British Literature. (Syllabus on file at College Board.)

Prerequisites:

1. Grade of 85 in AP English, 90 in Honors English, or 93 in CP English
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

Modern Literature and Film (.5 credit)

260

This class will explore the multifaceted relationship between modern literary pieces and their film adaptations. Selections to be studied in the different genres will range from the 1950s to today. Students will analyze stories for literary elements and draw parallels between their film companions. Students will explore themes and motifs, as well as symbolism, in the novels and the films. After learning cinematographic terms, students will take both an analytical and a critical approach to the movie adaptations. The students will be exposed to different genres of literature and film ranging from Science Fiction to Historical Fiction and Romance to Horror. Students will also learn the skill of editing a novel to become a screenplay. During this semester class, they will gain an appreciation for modern literature and film.

Prerequisite: 11th and 12th Grade Students Only

Journalism I or Journalism II (.5 credit)

Journalism I 261

Journalism II 262

In this one-semester elective course, students will develop investigative skills, responsible reporting, as well as photographic and journalistic writing techniques as they read and write their own news and feature articles. Students will conduct interviews, research, write, and design the school's newspaper: *The Shield*. Design of

the newspaper is done with Adobe Creative Cloud InDesign, so students should be computer savvy. Successful students must have strong writing and editing skills and be self-starters.

The product of this course is a student written, photographed, laid-out, and designed issue of *The Shield*, to be published every other month. Students will also be responsible for submitting articles about CTK of interest to the general Catholic public to *The Catholic News Herald*.

Prerequisite for Journalism II: Two Semesters of Journalism I

Creative Writing

265

The Abstract Expressionist painter Willem De Kooning once stated about art, “All we can hope for is to put some order into ourselves.” With this idea in mind, the design for the creative writing class aims to ignite the imaginative part of the brain, build critical thinking, and guide students to a deeper understanding of the beauty of language. Taught in three sections, the course introduces the main genres of the contemporary literary landscape: creative nonfiction, fiction, and poetry. By its very nature this course focuses intensely on reading and writing. Students will study examples of each genre as well as compose and workshop their own pieces. The workshop stands as a unique place for students to learn constructive critique techniques that will aid them in their future endeavors.

Tutoring Internship in English

270

Students who have demonstrated exceptional mastery in either English or Math and who have the ability and desire to help others may be asked to participate in a tutoring internship. Tutor interns will attend the class to which they are assigned and assist in small group and one-on-one instruction.

Prerequisite: Invitation Only

Math

The goal of the CTK math program is to give students the mathematical skills, quantitative information, problem-solving techniques, and analytical skills necessary to function in today’s society. Through student-centered discussions, technology-based

explorations, discovery exercises, lectures, and other teaching techniques, we encourage students to investigate and analyze a variety of mathematical problems. From exposing our students to age-old traditional problem sets to less traditional new-age real world application problems, we strive to impart in our students an ability to competently solve problems in a manner that demonstrates a well-organized effort on the task at hand.

We seek to place students in math sections relevant to their skill level, and in which they will be challenged to think quantitatively, work efficiently, and contribute actively in class discussions. The department will determine the appropriate placement of students in math courses.

Algebra I (1 credit)

600

First-year algebra deals with the properties of numbers extended to include the real number system. Linear and quadratic functions, their graphs and solutions to equations involving these functions are the core topics. Sets, equations, inequalities, and polynomial, exponential and rational functions are introduced.

Prerequisite: 8th Grade Math

Advanced Algebra I (1 credit)

612

First-year algebra deals with the properties of numbers extended to include the real number system. Linear and quadratic functions, their graphs and solutions to equations involving these functions are the core topics. Sets, equations, inequalities, and polynomial, exponential and rational functions are introduced. The course is differentiated from Algebra I through alterations of pacing, instructing, and assessing.

Prerequisite: 8th Grade Math

Geometry (1 credit)

622

Through deduction and logical reasoning students are encouraged to investigate and then formalize their ideas relating to plane and spatial relationships. Concepts of congruence, translation, similarity, proof, area and volume are applied to triangles, polygons, circles and three-dimensional figures. Using coordinate geometry, students are encouraged to make the connections between algebra and geometry. Students will

also have a brief introduction to the three basic trigonometric ratios, simple applications, and geometric probability.

Prerequisite: Algebra I

Honors Geometry (1 credit)

The same topics as Geometry (see above) are covered in greater depth and at a significantly swifter pace at the Honors level. The course is a problem-based course where the course material is largely presented through the problems that students solve each day. Students will also have a brief introduction to the three basic trigonometric ratios, simple applications, and geometric probability. Additional topics may include coordinate geometry, vectors and more advanced trigonometry.

Prerequisites:

1. Semester 1 Algebra 1 grade A
2. PSAT Math Score 500
3. Placement Test

Algebra II (1 credit)

632

Second-year algebra builds on the understanding and the skills developed in the first-year course. Students are taught to use mathematical thinking in problem solving; emphasis is placed on developing student communication skills, both written and oral. The mathematical content includes the study of a variety of mathematical functions — linear, quadratic, exponential, logarithmic, radical, rational, and polynomial. Trigonometry is introduced.

Prerequisites: Algebra I and Geometry

Honors Algebra II (1 credit)

633

The same topics as Algebra II (see above) are covered in greater depth and at a significantly swifter pace at the Honors level. Additional topics may include linear programming and sequences.

Prerequisites:

1. Semester 1 Geometry grade -A or Semester 1 Honors Geometry grade- B
2. PSAT Math Score 500

3. Placement Test

Pre-Calculus (1 credit)

644

Students develop a firm grasp of the underlying mathematical concepts, while using algebra as a tool for solving problems. Topics include the expansion of trigonometry into the polar grid, sequences and series, extensive function analysis and transformations on these functions. Additional topics include Newton's Difference Formula, analytic geometry, central limit theorem, as well as an exploration of finding areas under curves.

Prerequisite: Algebra II

Honors Pre-Calculus (1 credit)

643

The same topics as Pre-calculus (see above) are covered in greater depth and at a significantly swifter pace at the Honors level. Additional topics may include normal distribution and vector geometry.

Prerequisites:

1. Semester 1 Algebra II grade -A or Semester 1 Honors Algebra II grade -B
2. PSAT Math score 500
3. Placement Test

Honors Calculus (1 credit)

651

The purpose of this introductory Calculus course is to establish a firm understanding of the fundamental ideas of Calculus. The course will begin with an in-depth review of topics in Pre-Calculus to ensure that all students have a strong foundation for Calculus. The course will include differentiation and integration techniques for the elementary functions and applications of these techniques in real world problems.

Prerequisites:

1. Semester 1 Pre-Calculus grade A- or semester 1 Honors Pre-Calculus grade B
2. PSAT Math Score 550
3. Placement Test

AP Calculus AB (1 credit)

650

The course covers the topics in differential and integral calculus that are normally covered in the first semester or two of college Calculus. This Calculus course follows the Advanced Placement syllabus and students are required to take the AP examination at the end of the year.

Prerequisites:

1. Semester 1 Honors Pre-calculus A-
2. PSAT math score 600
3. Placement Test

Advanced Functions and Modeling (1 credit)

670

The course provides students an in-depth study of modeling and applying functions. Home, work, recreation, consumer issues, public policy, and scientific investigations are just a few of the areas from which applications will originate. Some skills utilized to solve problems include: linear, quadratic, cubic, and exponential functions, systems of two or more equations or inequalities, trigonometric ratios, and logic and deductive reasoning to draw conclusions.

Prerequisite: Algebra II

Statistics (1 credit)

660

This course is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students will see how statistics is used to analyze and interpret data to make informed decisions.

Prerequisite: Algebra II

Tutoring Internship in Math

685

Students who have demonstrated exceptional mastery in either English or Math and who have the ability and desire to help others may be asked to participate in a tutoring

internship. Tutor interns will attend the class to which they are assigned and assist in small group and one-on-one instruction.

Prerequisite: Invitation Only

Science

Our science curriculum is designed to foster scientific literacy in a genuinely Catholic setting. Students will ascertain knowledge and skills to ask good questions, to design and conduct investigations, to interpret data, to build and evaluate arguments, to propose models, and to competently critique their own scientific work and the work of others. In order to execute this vision, we use a curriculum that starts with freshman physics, the most approachable of sciences. We build on this with chemistry and then biology, each vertically aligned with the other science courses and laterally integrated in a rich way with all other courses taught at our school. This sequence gives each student a portfolio of at least three solid lab sciences. We then provide our students with the opportunity to continue their science experience via a selection of upper-grade science electives and AP courses.

Freshman Physics (1 credit)

811

Freshman Physics is a required lab science course for 9th grade, which anchors the physics-first sequence in our science curriculum. This sequence allows students to learn the scientific method using approachable concepts and human-scale hands-on lab experiences. It lays a foundation for a robust Chemistry course and more importantly allows the ensuing Biology course to be truly rigorous. Freshman Physics teaches the student to think like a scientist, to design proper experiments, to deal competently with precision, to make valid graphs and interpret them, and to use the *Système Internationale* measurement system. Because Freshman Physics is an introductory course, it is offered only at the college prep, not honors, level.

Honors Physics (.5 credit)

812

Honors Physics is a year-long elective course available to juniors and seniors who seek to strengthen their science credentials. It builds upon the freshman physics course, and addresses all topics contained in the SAT subject matter test for physics. Depending on time available and student interest, the course might also include structural analysis and an introduction to astronomy.

Prerequisites:

1. Algebra II
2. Teacher Recommendation

Chemistry (1 credit)

831

Chemistry is a required lab science course for 10th grade, which builds on the previous Freshman Physics course and lays a foundation for a rigorous Biology course in 11th grade. It is the study of ‘matter’: What is matter made of, and how do different types of matter react with one another? The Chemistry course content has been cross-checked against the *NC Science Essential Standards for Chemistry* to assure that our course meets and exceeds those standards.

Honors Chemistry (1 Credit)

832

The Honors Chemistry course will focus on the same curricular content as the Chemistry class (see above) at a more advanced pace. The course is also designed for students to delve deeper into topics.

Prerequisites:

1. Grade of 85 or higher in previous science class
2. Co-requisite: Algebra II
3. Teacher Recommendation

Biology (1 credit)

822

In Biology, students study of all living things, from the most basic forms of life to the most complex. Students learn about life through the four major units of study: the Unity and Diversity of Life, the Structures and Processes of Molecules and Cells, Inheritance and Variation of Traits and the Interactions, Energy and Dynamics of

Ecosystems. Students will participate in a variety of activities to enhance learning including Project Based Learning, concept mapping, flipped classroom formatting, in depth reading and writing, and extensive lab and field work. Students will study a variety of topics in an outdoor classroom of 100+ acres that will extend scientific learning, allowing students to study plants and creatures in their natural settings.

Honors Biology (1 credit)

821

Honors Biology is a more in depth, faster-paced study of all living things, from the most basic forms of life to the most complex. Honors students learn about life through the four major units of study: the Unity and Diversity of Life, the Structures and Processes of Molecules and Cells, Inheritance and Variation of Traits and the Interactions, Energy and Dynamics of Ecosystems. Students will complete labs, projects, readings, reports, and field studies in the 100+ acre outdoor classroom that will enhance the scientific experience, allowing students to study plants and creatures in their natural settings.

Prerequisites:

1. Grade of 92 or higher in CP Physics and CP Chemistry
2. Grade of 85 or higher in Honors Physics and Honors Chemistry
3. Teacher Recommendation

AP Biology (1 credit)

841

AP Biology is a very challenging and fast-paced course. In this college-level course, students are expected to process large amounts of information outside of class. Learning will be achieved through a variety of methods including Project Based Learning, concept mapping, flipped classroom formats, in depth reading and writing, and extensive lab and field work using both the laboratory and grounds of the school. AP Biology is based on four big ideas:

- The process of evolution drives the diversity and unity of life.
- Biological systems utilize free energy and molecular building blocks to grow, to reproduce, and to maintain dynamic.
- Living systems store, retrieve, transmit, and respond to information essential to life processes.
- Biological systems interact, and these systems and their interactions possess complex properties.

Students will practice questions modeled after the AP Biology exam, are required to take the AP Biology exam as part of the class, and will complete an in-depth, scientific paper.

Prerequisites:

1. Grade of 92 or higher in CP Physics and CP Chemistry
2. Grade of 90 or higher in Honors Physics and Honors Chemistry
3. PSAT Verbal and Math Scores of 460
4. Teacher Recommendation

AP Environmental Science (1 credit)

860

AP Environmental is designed to be the equivalent of a one-semester, introductory college course in environmental science, where students will study the natural world. The goal for the course is for students to be able to identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental Science is interdisciplinary, including topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Prerequisites:

1. Biology
2. Physics or Chemistry
3. Algebra
4. Teacher Recommendation

Introduction to Aviation (.5 credit)

849

Introduction to Aviation is semester long course designed to introduce the student to the exciting world of flying. The student will be familiarized with the fundamentals of aerodynamics involved in small single engine airplanes and their airplane systems such as flight instrument, engine, and flight controls. Students will learn how to read aeronautical charts and comply with the airspace system. They will also learn the communications required to communicate with air traffic control and other airplanes. Students will understand basic navigation in visual conditions. The student will also fly the Redbird TD G-1000 Basic Aviation Training Device (BATD), which is equipped with a yoke, rudders, and a throttle quadrant. This BATD is FAA approved. Students in this course will also take several field trips where they can witness aviation first hand and talk to various professionals in the aviation business.

Honors Aeronautical Science (1 credit)

850

Aeronautical Sciences is a team-taught, cross-curricular exploration of math, physics, engineering, weather, anatomy and physiology, and history, designed to further understanding of the wonder and science of flight. Students completing this yearlong course are fully prepared to take the FAA private pilot knowledge exam.

Note: Students interested in pursuing solo flight opportunities can begin as early as 16 years old and be a licensed pilot as early as 17.

Prerequisite: Satisfactory Completion of Algebra II

Introduction to Horticulture (.5 credit)

880

This course will introduce students to the art and practice of gardening. Students will have an opportunity to learn about the growth and care of trees, vegetables, and flowers. Students in this course will also be responsible for the care and maintenance of the school's greenhouse, chicken coop, and compost bins.

Horticulture II (.5 credit)

881

This course will build upon the introductory course in horticulture, and students will be expected to design and execute independent projects in the field. Horticulture II students will oversee Crusader Crops, the school's entrepreneurial program in horticultural arts.

Introduction to Engineering (.5 credit)

870

This elective course introduces the student to some fundamentals of engineering. The course is vertically integrated with CTK Freshman Physics and also Chemistry. Introduction to Engineering is intended as a survey course, with broad rather than deep coverage of topics. The course will include laboratory exercises using actual components and material samples, model components, and computer simulations. Each unit contains topics that the student should 'know'. 'Know' does not mean merely to define or to recall. Borrowing from Bloom's Taxonomy (rev. 2000), it also means understanding, applying, analyzing, evaluating, and even creating. Knowledge items will be presented via out-of-class posted lectures, brief in-class explanations, notes on

the board, and reference to primary and secondary sources on paper or online. Students will be assessed via small in-class self checks, quizzes, lab reports, unit tests, and exams.

Prerequisites: Algebra II

Social Studies

The Social Studies Department at CTK will play a vital role in the intellectual, moral, and social development of the school's students. Inspired by Blessed John Paul II's encyclical *Fides et Ratio*, all of the social science courses will strive to illuminate the human condition. In each course, students will consider fundamental, perennial questions that stem from social science investigations. What does it mean to be a human? From where have humans come? To where are humans going? What is the meaning of the Incarnation in human history? What is a just law? What is a humane economy? How ought governments operate? What is the purpose of society? What is the relationship between individual and social development? Through these and other inquiries, teachers will aim to impart a Catholic worldview and develop an authentically Catholic anthropology within the hearts and minds of Crusaders. The social science courses will also be designed to equip students with the academic tools that are readily acquired through study of the social sciences—critical thinking, analytical reading, intensive research with primary and secondary sources, persuasive and elegant writing, and public speaking.

Logic (.5 credit)

908

Traditional Logic & Argumentation is a foundational course within the CTK curriculum. The course is designed to train students to think and write seriously about intellectual matters. Students will inquire philosophically into man's ability to reason, and consider the ways that Catholics are called to put this unique human capability to use. In order to develop and hone their reasoning powers, students will learn Aristotelian logic, and complete exercises, which demonstrate the usefulness of Aristotelian logic in all branches of knowledge. The course will also be quite concerned with imparting the disposition and skills (namely the development and analysis of arguments, systematic thinking, and precise writing) necessary for success in a rigorous academic environment. Public speaking and debate will also be incorporated throughout the course.

World History 10 (1 credit)

921

World History is a survey of the human experience from the earliest civilizations to contemporary times. By approaching each unit as historians, students seek to make real world connections by evaluating the impact that past events have on the present. The role of the Church and how the Church has shaped our world is a theme that is explored throughout the course. Historical simulations, case studies, multi-genre projects, interdisciplinary activities, primary source analysis, historical fiction, and essays will be used to accomplish the course objectives.

Honors World History 10 (1 credit)

924

Honors World History students will be expected to explore the same topics as World History (see above) in more depth. This will be accomplished through complex readings, primary and secondary source analysis, Socratic seminars, document -based questions, essay writing, and personal research projects. Students in Honors World History will also learn critical reading and writing skills to equip them to take Advanced Placement courses in the social sciences.

Prerequisites:

1. Grade of 93 in History
2. Grade of 90 in Honors English or 93 in CP English
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

AP World History (1 credit)

947

The Advanced Placement Course in World History is a college-level survey course of all of the world's history. The grandness of the course requires a presentation of the material that is both quick and broad; the focus is on the big picture of the history of humankind, from the point of origin to the present. In addition to familiarizing students with major themes in world history, a heavy emphasis is also placed on the development of thinking and writing skills that are readily acquired through the study of history. Students who enroll in this course will take the AP World History exam during May, and those who do well will be able to earn college credit from many colleges and universities.

Prerequisites:

1. Grade of 85 in AP History, 90 in Honors History, or 93 in CP History
2. Grade of 85 in AP English, 90 in Honors English, or 93 in CP English
3. PSAT Verbal and Writing Scores of 460
4. Critical Writing Proficiency (Timed Writing Sample required)
5. History Teacher Recommendation
6. English Teacher Recommendation

AP Psychology (1 credit)

951

AP Psychology is a college level survey course that examines the study of human behavior from various perspectives such as sociocultural, biological, psychodynamic, and behavioral. Topics studied in this course include research methods, personality, sensation and perception, abnormal psychology, treatment of psychological disorders, testing and individual differences, social psychology, and states of consciousness. Students will also learn the biological basis of behavior by exploring the brain, nervous, and endocrine systems. Case studies, primary and secondary source analysis, free response essay writing, project-based learning, experiments, and critical reading of college level texts will be used to accomplish course objectives. Students who perform well on the AP Psychology exam will have the opportunity to be awarded college credit by many colleges and universities.

Prerequisites:

1. PSAT Verbal Score of 480
2. Teacher Recommendation

United States History 11 (1 credit)

931

The eleventh-grade survey course in United States history is designed to acquaint students with significant events, eras, trends, and themes of United States history and to provide an interpretation of the meaning of those events, eras, trends, and themes. The course will examine the nation's politics, economics, geography, society, culture, and religion from pre-colonial times to the present. A deliberate effort will also be made to cover significant developments in the country's Catholic history and to interpret the meaning of our nation's past through a Catholic lens. Additionally, there will be a strong emphasis on the development and honing of skills that are readily acquired through the study of history—analytical reading and writing, critical thinking, public speaking and

debating. This course builds upon all of the history courses offered at CTK, and students will be expected to move at ease through the text and primary sources.

Honors United States History 11 (1 credit)

932

The same topics are covered in Honors United States History (see above), but Students in the honors-level course will have more reading and writing, and assignments that require higher-level thinking.

Prerequisites:

1. Grade of 85 in AP History, 90 in Honors History, or 93 in CP History
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

AP United States History (1 credit)

933

Students in the Advanced Placement section of United States history will be expected to think, work, and study at a college level. Students in this course will have an abundance of outside readings and writings to complete. The additional work for the AP section will, of course, prepare students to take the national AP exam in United States History, which is offered every year in May. Successfully passing the AP exam will qualify students to receive college credit for this course at many colleges and universities throughout the United States.

Prerequisites:

1. Grade of 85 in AP History, 90 in Honors History, or 93 in CP History
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

International Relations (.5 Credit)

910

This course will examine key questions, events, and theories about international relations throughout the 20th century and into the 21st century. We will look at critical issues through a historical context. The primary focus will be on how countries interact with one another and how events from around the world can shape our own personal lives. Finally, we will discuss future challenges confronting the world in the 21st century.

Students will leave this course with a better understanding of global affairs and the United States' important position in the international system.

Introduction to Philosophy (.5 Credit)

960

This course will serve as an introduction to major thinkers, writers, and philosophies. Students will be asked to examine a wide array of ideas and be pressed to analyze philosophical texts with a critical eye. Introduction to Philosophy will seek to extend the mind of Christ the King students in their pursuit of becoming critical Catholic thinkers.

Introduction to Metaphysics & Epistemology (.5 credit)

961

Metaphysics is a branch of philosophy that tries to comprehensively describe the world at a very fundamental and abstract level. Metaphysical questions include: Are people's actions determined? Do people have free will? What is the nature of physical objects? Do any things other than physical objects (for example numbers, qualities, God) exist? Can anything from the present time cause things to happen in the past? What is the nature of persons? Is there such a thing as a perfect circle?

Epistemology is the study of the nature, scope, and limits of knowledge. It seeks to provide an answer to some of the big issues: How do we know (or do we know) that we're not just brains in vats (Matrix)? Are the sources of justified belief internal or external? Are there some beliefs which are 'basic' in nature, such as beliefs concerning self-evident truths?

Together, both branches of philosophy will be used to address lifelong questions about the individual and his or her relationship to the external world and God.

Government (.5 credit)

945

The 12th grade Government course is a survey of the foundations of the United States political system and the responsibilities of citizenship. The course is taught through a series of seminars on topics to include the constitutional underpinnings of the United States government, political ideologies and parties, the role of interest groups and mass media in the political process, voting behaviors, institutions of government, public

policy, and civil rights and civil liberties. This course will also examine the Church's teachings on politics, laws, and governing.

Honors Government 12 (.5 credit)

944

Honors Government students will participate in a series of seminars on the same topics as Government (see above), but will be expected to explore these topics in greater depth. Honors Government students will take on leadership roles by presenting topics and leading discussions in the seminar series. Honors students will also have more outside reading and writing, and assignments that require higher-level thinking.

Prerequisites:

1. Grade of 85 in AP History, 90 in Honors History, or 93 in CP History
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

AP United States Government and Politics (1 credit)

940

The Advanced Placement course in U.S. Government and Politics provides students with an analytical perspective on government and politics in the United States. Topics covered in the course include the constitutional underpinnings of the United States government, political beliefs and behaviors, political parties, interest groups and mass media, institutions of national government, public policy, and civil rights and liberties. The course is taught at the college level utilizing college texts, primary sources, and essay writing to prepare students to take the AP exam in May.

Prerequisites:

1. Grade of 85 in AP History, 90 in Honors History, or 93 in CP History
2. PSAT Verbal and Writing Scores of 460
3. Critical Writing Proficiency (Timed Writing Sample required)

African American Studies (.5 credit)

990

This course will introduce students to the broad and dynamic discipline of African American Studies. It will examine significant aspects of the history of African Americans with particular emphasis on the evolution and development of black communities from

Africa to enslavement to the present. Students will also examine the history, treatment, and rights of African Americans as they relate to Catholic teaching and institutions.

Introduction to Anthropology (.5 credit)

991

This course will examine the human experience through our interaction with our environment. Students will devote much of their attention to what human groups share across time and space, what makes them different, the ways in which we physically adapt to our environment, build and organize societies, pray, and communicate. To answer questions, the course will draw on various disciplines – art, economics, biology, history, geography, psychology – in order to understand our world as separate cultural spheres, but, more than a subject matter, set of questions, and research techniques, the course aims to reveal the beauty of ‘Christ the King’ in all things, time, and cultures.

World History in Film (.5 credit)

992

This course will evaluate the multifaceted relationship between historical events and their film adaptations, and explore the human condition through the experience of on-screen storytelling. Students will analyze films and stories for their historicity, accuracy, rhetoric, and messages. Students will learn cinematographic terms, and take analytical and critical approach to cinematic adaptations of history. During this semester class, they will gain an appreciation for both history as the human story connected to a higher Truth, along with an appreciation for film as an artistic and human medium.

World Cultures (.5 credit)

980

This course is an introduction to the cultural and ethnic diversity of our global community. Students will examine one or more global cultures and their worldviews, exploring the perceptions, products and practices of the culture(s) studied. Students will compare and contrast the culture(s) studied with their own in order to challenge or deepen their understanding of their own worldviews and help prepare them to live in a global society. The tenets of Catholic Social Teaching are imbued throughout the course.

World Languages

Students are encouraged to undertake the study of a world language while at Christ the King. Aside from the gratification of mastering listening, reading, speaking and writing

skills in a second language, world language study enables students to enhance their understanding of the subtle and complex relations among the world's peoples. The world languages department aims to not only help students become literate in another language, but to increase their awareness of the history and current issues facing other countries and societies where the target language is spoken.

Spanish I (1 credit)

414

Spanish I introduces students to effective strategies for beginning Spanish language learning and to various aspects of Spanish-speaking culture. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to basic requests and questions, understand and use appropriate greetings and forms of address, participate in guided conversations on familiar topics, and write short passages with guidance. Additionally, students will examine the practices, products and perspectives of Spanish-speaking culture; recognize basic routine practices of the target culture; and recognize and use situation-appropriate non-verbal communication.

Spanish II (1 credit)

424

Spanish II builds on the effective strategies for Spanish language learning by encouraging the use of the language and cultural understanding for self-directed purposes. This course encourages interpersonal communication through speaking and writing, providing opportunities to make and respond to requests and questions in expanded contexts, participate independently in brief conversations on familiar topics, and write cohesive passages with greater independence and using appropriate formats. This course also emphasizes the development of reading and listening comprehension skills, such as using contextual clues to guess meaning and comprehending longer written or oral directions.

Prerequisite: Satisfactory Completion of Spanish I

Spanish III (1 credit)

435

Spanish III encourages interpersonal communication through speaking and writing, providing opportunities to initiate, sustain and close conversations; exchange detailed

information in oral and written form; and write cohesive information with greater detail. This course also emphasizes the continued development of reading and listening comprehension skills, such as using cognates, synonyms and antonyms to derive meaning from written and oral information, as well as comprehending detailed written or oral directions. Additionally, students will continue to develop understanding of Spanish-speaking culture through recognition of the interrelations among the practices, products and perspectives of the target culture; discussion of significant events in the target culture; and investigation of elements that shape cultural identity.

Prerequisites:

1. Satisfactory Completion of Spanish II
2. Teacher Recommendation

Spanish IV Honors (1 credit)

443

Spanish IV Honors provides a context for integration of the continued development of language skills and cultural understanding with other content areas and the community beyond the classroom. The skill sets that apply to the exchange of written and oral information are expanded through emphasis on practicing speaking and listening strategies that facilitate communication, such as the use of circumlocution, guessing meaning in familiar and unfamiliar contexts, and using elements of word formation to expand vocabulary and derive meaning. Students will develop understanding of Spanish-speaking culture through explaining factors that influence the practices, products, and perspectives of the target culture; reflecting on cultural practices of the target culture; and comparing systems of the target culture and the student's own culture.

Prerequisites:

1. Satisfactory Completion of Spanish III
2. Teacher Recommendation

Spanish V Honors (1 credit)

450

Spanish V Honors continues the development of language acquisition skills through the use of authentic resources, film, literature and music. Emphasis will be on refining presentational speaking and writing skills, interpersonal communication, and interpretation of written and spoken language. Instruction will prepare students for the AP Spanish Language and Culture exam, should they choose to take it.

Prerequisites:

1. Satisfactory completion of Spanish IV Honors
2. Teacher Recommendation

Latin I (1 credit)

413

This course emphasizes the elements of Latin grammar, level-appropriate readings, and basic Latin vocabulary, and culture. Students will learn Latin language usage through the speaking, writing, and reading of original Latin.

Latin II (1 credit)

423

A continuing study of elementary Latin grammar, literature and culture: students will learn Latin grammar usage through the speaking, writing and reading of original Latin. Students will be expected to read and understand elementary Latin literature.

Prerequisite: Satisfactory Completion of Latin I

Latin III (1 credit)

436

A continuing study of Latin grammar, literature and culture: students will further learn Latin grammar through the speaking, writing and reading of original Latin. Students will be expected to read and understand higher-level Latin literature.

Prerequisite: Satisfactory Completion of Latin II

AP Latin (1 credit)

437

Fine Arts

The role of the Fine Arts Department of Christ the King Catholic High School is to challenge students to be the following:

- accomplished artists. Students will learn to expand on individual creativity through hands-on projects, incorporating the principles and elements of design or drama, demonstrating initiative and self-direction.
- critical thinkers. Students will use problem solving skills to promote innovation in the fine arts, learning to communicate effectively through in-class critique sessions and small group collaboration. Flexibility and adaptability are highly regarded in the fine arts classroom.
- empathetic, Catholic beings. Students will analyze and cultivate a respect for differences through the study of cross-cultural and historical genres of works of art.
- interactive scholars of the world. Students will establish and understand the interconnectedness among each discipline in the context of our faith, especially through the introduction and analysis of Catholic works of art.

Art I (.5 credit)

311

Through the mediums of graphite drawing, paper painting, oil pastel, watercolor, and acrylic painting, this course emphasizes the use of basic elements and principles of design in two-dimensional art, as well as the five color schemes and their incorporation into various forms.

Art II (.5 credit)

321

Continuing the study of the history of art and artists and the development of the use of principles and elements of design, students will be introduced to the creation of three-dimensional art through the mediums of hand-building with air-dry clay, relief carving with linoleum-block prints, designing and building architectural structures, as well as the art of mosaic tile.

Prerequisite: Art I

Art III (.5 credit)

331

Prerequisites: Art I and Art II

Industrial Design (.5 credit)

353

This hands-on course is introduction into the creative process of product design that covers orthographic and isometric drawing, modeling, prototype development and reverse engineering. Students visualize and create 3D designs.

Industrial Design II (.5 credit)

358

This hands-on course will build upon the skills that students learn in Industrial Design I, and students will be expected to initiate and execute their own independent projects.

Landscape Design (.5 credit)

145

This semester-long course is designed to introduce students to basic design principles and theory, basic plant identification and culture, and basic hardscape layout. Both hand drawing and computer aided design will be used to create plans and elevations of various sites. Students complete the class with a portfolio of simple designs, and final presentation of an individual project.

Glassworks (.5 credit)

Glassworks I 354

Glassworks II 355

Glassworks III 356

Glassworks IV 357

Students in this course explore the beauty of glass with an introduction into traditional stained glass window making and kiln formed glass. Students will learn to design and create their own pieces through a variety of mediums. Additional costs may apply.

Prerequisite: Art I

Introduction to Theatre Arts (.5 credit)

330

This course will explore many different aspects of Theatre Arts, from Theatre History, from Improvisation and Monologue and Duet Scene Work to Technical Theatre and Script Analysis. Different genres of Theatre will be considered, and students will also experience the wide range of crafts and disciplines that compose Technical Theatre.

Theater II (.5 credit)

340

Theater III (.5 credit)

350

Digital Design (.5 or 1.0 credit)

Digital Design I (1.0) 333

Digital Design I (.5) 334

Digital Design II (1.0) 335

Digital Design III (1.0) 336

Digital Design III (.5) 338

Digital Design IV (1.0) 337

Digital design students work as a team to collaborate on the school yearbook, social media, community advertisements, and photography. Students in this course commit to learning and using different technological programs to work on design, advertising, photoshop, photo layout, and social media. Additionally, students will evaluate pieces of journalism and develop their own writing and interviewing skills. Students with interests in advertising, social media, and digital design are encouraged to take this class. This individualized course allows students to build upon their skills each semester and assume more responsibilities and lead their peers.

Voice I (.5 credit)

370

This course will instruct students on the physical makeup of the voice, the use of breath and muscles to produce a vocal line. Students will learn about the history of singing and significant vocalists and composers from the past. They will also have a chance to explore sacred, folk and art song, repertory from Broadway and contemporary music.

Voice II

371

This course is designed for students who want to further develop the power and strength of their singing voice. Students will also learn the basics of Italian, French and German diction. A repertoire of Broadway, art song, and light operatic music will be used to further expand students' vocal range and tone. The students will also develop a personal portfolio of music for performance and auditions.

Prerequisite: Voice I

Guitar (Acoustic/Electric) (.5 credit)

380

This course will be designed to accommodate beginning and intermediate level students. Beginning students will learn music notation and basic chords. Intermediate level students will work on advanced chords and scales, technique, and improvisation. Students will need to provide their own instrument.

Guitar II (Acoustic/Electric) (.5 credit)

381

Survey of Fine Arts (.5 credit)

360

The survey of fine arts will explore major developments in the history of painting, sculpture, architecture, music, and drama. Particular emphasis will be placed on imparting an understanding and appreciation of Catholic art in these various media.

Health and Wellness

Health (.5 credit)

515

The course content will help establish patterns of behavior that will assist a person in achieving complete health. Complete health is accomplished by having a balance of physical, social, mental/emotional, and spiritual well-being. This course is designed to offer the students opportunities to acquire knowledge, integrate skills, and develop positive attitudes about life, and make healthy decisions. Development of a healthy body and a healthy mind will assist young people in living active, productive, and successful lives.

Physical Education (.5 credit)

512

CTK Physical Education credit will be earned before graduation by taking one of the offered physical education courses or by participating on a CTK sports team.

Athletic Conditioning (.5 credit)

514

Designed to be a cross-training workout, this class combines movements from various sports, boot camp drills, and muscle conditioning to improve cardio and muscular

endurance and agility. Each student is required to plan, teach, and lead several classes under the guidance of the instructor.

Informational Technology

Technology Independent Study I (.5 credit)

731

This class is designed for the highly motivated, self-directed student in mind. Students will choose a technology related topic they are interested in learning more about, as long as they remain focused and moving forward in their learning. The following are examples of topics students may want to research: Computer Programming, Web Design, Robotics/Lego EV3 Projects, Computer Aided Design, Video Game Creation, App Design, and Raspberry Pi Microcomputer Projects.

Prerequisites: None

Honors Technology Independent Study II (.5)

732

This class continues the theme of self-directed learning from the introductory course. Students must propose a project with a scope that reflects a deeper understanding of technology and ability to work independently. Projects must be approved by the Administration and students must submit monthly progress reports documenting their progress.

Prerequisites:

1. Technology Independent Study I
2. Teacher Recommendation

Learning Support

Academic Skills

148

This course will provide students who may need extra help with additional support and resources. The primary goal of Academic Skills is to help students reach their maximum potential and achieve success by helping them develop the skills necessary to meet the demands of high school and beyond. Students will learn to recognize their strengths and areas for growth, and learn strategies to help them navigate these demands.

Academic Skills has a flexible agenda, which changes as students' needs change. The three primary topics covered include: Organization and executive skills, subject area strategies, including writing, math, and physics, and self-advocacy.