

# Roncalli Catholic High School

## 2021-2022 CURRICULUM GUIDE

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### **ADMINISTRATIVE AND SUPPORT STAFF**

President  
 President Emeritus  
 Principal  
 Assistant Principal/Activities  
 Admissions and Retention Director  
 School Counselor  
 Business Manager  
 Facility Management  
 Administrative Support  
 Accounts Payable  
 Student Resource Coordinator

Mr. Sean Keisling  
 Father Lloyd Gnirk  
 Mr. T.J. Orr  
 Mr. Jim Meister  
 Mr. Colton Wierzbicki  
 Mrs. Michaela Sievers  
 Mrs. Dale Kreher  
 Mr. Tom Albion  
 Mrs. Jody Hubschman  
 Mrs. Theresa Tworek-Jensen  
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## **GRADING**

Regular Courses		Honors	AP/Dual Credit
A = 93-100%	(4.0)	+2	+5
B+ = 89- 92%	(3.5)	+2	+5
B = 85- 88%	(3.0)	+2	+5
C+ = 81- 84%	(2.5)		
C = 77- 80%	(2.0)		
D+ = 74- 76%	(1.5)		
D = 70- 73%	(1.0)		
F = 69% or less	(0)		
College-level grading for AP/Dual Credit			
A = 90-100%	(4.0)		
B = 80- 89%	(3.0)		
C = 70- 79%	(2.0)		
D = 60- 69%	(1.0)		
F = 59% or less	(0)		

## **GRADUATION REQUIREMENTS**

Graduation requirements for RCHS provide our students with a strong background in the core curriculum areas, along with broad study and experience in theology. The requirements are consistent with our mission statement. In order to graduate from RCHS, a student must fulfill a minimum of the following requirements:

<b>Subject</b>	<b>Credits</b>
Religion	16 (4 Years)
English	16 (4 Years)
Math	12 (3 Years)
Science	12 (3 Years)
Social Studies	12 <i>Must include 1 semester of Government and 1 semester of Economics/Personal Finance</i>
World Languages	8 <i>Students who are unable to fulfill this requirement may substitute credits from other content areas.</i>
Technology	2 <i>All students take one semester of Technology Applications.</i>
Physical Ed	2
Fine Arts	2
Health	2
Electives	18

## **HONORS and HIGH HONORS:**

High Honors and Honors Lists will be posted at the end of each semester. Honorable Recognition requires a 3.0 grade point or greater for the semester.

- Honor Roll requires a 3.5 grade point average or above
- High Honor Roll requires a grade point of 3.75 or above

# RELIGIOUS EDUCATION

JESUS CHRIST IN SCRIPTURE: CATHOLIC ESSENTIALS Prerequisites: None Gr: 9 Duration: Sem

This course gives 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. Students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. This section of the Freshmen religion requirement introduces students to foundational knowledge essential to the Catholic faith.

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JESUS CHRIST IN SCRIPTURE (*Honors*) Prerequisites: None Gr: 9 Duration: Sem

This course gives 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. Students will learn about the Bible, authored by God through Inspiration, and its value to people throughout the world. If they have not been taught this earlier, they will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. *(Fulfills religion requirement)*

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CHRISTOLOGY Prerequisites: None Gr: 9 Duration: Sem

This course will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, students will also learn who he calls them to be. *(Fulfills religion requirement)*

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CHRISTOLOGY (*Honors*) Prerequisites: None Gr: 9 Duration: Sem

This course will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation to us from God. In learning about who He is, students will also learn who he calls them to be. *(Fulfills religion requirement)*

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THE PASCHAL MYSTERY Prerequisites: None Gr: 10 Duration: Sem

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. 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 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. *(Fulfills religion requirement)*

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THE PASCHAL MYSTERY (*Honors*) Prerequisites: None Gr: 10 Duration: Sem

The purpose of this course is to help students understand all that God has done for us through his Son, Jesus Christ. 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 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. In addition, students will read material from Church documents. *(Fulfills religion requirement)*

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JESUS CHRIST IN THE CHURCH Prerequisites: None Gr: 10 Duration: Sem

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. Students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. Students will learn not so much about events in the life of the Church but about the sacred nature of the Church. *(Fulfills religion requirement)*

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### JESUS CHRIST IN THE CHURCH (*Honors*)

Prerequisites: None

Gr: 10

Duration: Sem

This course will help 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. Students will come to know that the Church is the living Body of Christ today. This Body has both divine and human elements. Students will learn not so much about events in the life of the Church but about the sacred nature of the Church. As an Honors course, students will read material from Church documents. *(Fulfills religion requirement)*

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### CHRISTIAN MORALITY

Prerequisites: None

Gr: 11

Duration: Sem

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. *(Fulfills religion requirement)*

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### CHRISTIAN MORALITY (*Honors*)

Prerequisites: None

Gr: 11

Duration: Sem

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. As an Honors course, students will read material from Church documents. *(Fulfills religion requirement)*

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### SACRAMENTS

Prerequisites: None

Gr 11

Duration: Sem

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. *(Fulfills religion requirement)*

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### SACRAMENTS (*Honors*)

Prerequisites: None

Gr 11

Duration: Sem

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. As an Honors course, students will read material from Church documents. *(Fulfills religion requirement)*

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### CATHOLIC SOCIAL TEACHING

Prerequisites: None

Gr: 12

Duration: Sem

This course teaches the Catholic Church's doctrine on the life and dignity of all human beings. CST covers key Church documents and applies the seven principles of Catholic Social Teaching to longstanding and current issues that plague humanity and America with the intent of fostering greater knowledge, preventing injustices, protecting rights, and developing solutions to these injustices.

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### VOCATIONS

Prerequisites: None

Gr: 12

Duration: Sem

The purpose of this course is to help students to understand the vocations of life: how Christ calls us to live. Students will learn how all vocations are similar and how they differ. The course is structured around married life, single life, priestly life, and consecrated life. Students will learn what it means to live life for the benefit of others, and the value in considering a vocation in service to the Christian community. *This course qualifies as a required course for the senior year if it is taken in the semester opposite Catholic Social Teaching. Otherwise, it may count as a Social Studies elective.*

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### WORLD RELIGIONS

Prerequisites: None

Gr: 12

Duration: Sem

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. *This course may qualify as a required course for the senior year if it is taken in the semester opposite Catholic Social Teaching. Otherwise, it may count as a Social Studies elective.*

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**SCRIPTURES**

Prerequisites: None

Gr: 12

Duration: Sem

The purpose of this course is to give an overview of Sacred Scripture with an introduction to the basic principles for understanding and interpreting the Bible. Given the limits of a semester of study, it will not be possible to introduce all the books of the Bible. But every effort is made to project a sense of the unity of the narrative for the divine plan of salvation, the presence of God's action in this record of his Revelation, and his desire to share his merciful love with us.

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**CATHOLIC SOCIAL TEACHING (Dual Credit)**

Prerequisites: 3.0 G.P.A.

Gr: 12

Duration: Sem

*(In place of Catholic Social Teaching (Semester) (Course is taught with the College of St. Mary.)*

Tuition and registration with St. Mary's is required. The social teachings of the Church have often been depicted as its best kept secret. This course explores the social teachings of the Church and their application to the concrete economic, social, and political problems of the contemporary world. This course teaches the Catholic Church's doctrine on the life and dignity of all human beings. As such, it covers key Church documents and applies the seven principles of Catholic Social Teaching to issues that plague humanity and America with the intent of fostering greater knowledge, preventing injustices, protecting rights, and developing solutions to these injustices. *(Fulfills religion requirement)*

## LANGUAGE ARTS

**BASIC ENGLISH 9**

Prerequisites: None

Gr: 9

Duration: Year

This class is designed to build reading, writing, time management, and analysis skills. In this class, students will be expected to read and analyze fiction and nonfiction, and use basic writing conventions. Students considering entering the workforce after graduation, or completing a trade education program, will find the course useful to their future. *(Fulfills Language Arts requirement)*

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**ENGLISH 9**

Prerequisites: None

Gr: 9

Duration: Year

This course is designed to help students build on their knowledge of the elements of 6-Trait Writing; identify and evaluate the literary types of plays, short stories, poetry and novels; illustrate an awareness of the importance of organization and meeting deadlines in writing papers, projects and homework; and evaluate work through the use of vocabulary words, grammar usage, study skills, writing and library research skills. *(Fulfills Language Arts requirement)*

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**ENGLISH 9 (Honors)**

Prerequisites: Instructor Approval

Gr: 9

Duration: Year

This course is designed to help students build on their knowledge of the elements of 6-Trait Writing. Writing is done regularly and is based on plays, short stories, poetry and novels read throughout the year. Speeches are incorporated into the curriculum in a variety of ways, as well. Students are expected to become familiar with MLA research skills and will complete a research paper. Students will also illustrate an awareness of the importance of organization and meeting deadlines in writing papers, projects and homework; and evaluate work through the use of vocabulary words, grammar usage, and study skills. *(Fulfills Language Arts requirement)*

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**BASIC ENGLISH 10**

Prerequisites: English 9

Gr: 10

Duration: Year

This class is designed to be an extension of Basic English 9. Students will be expected to read and analyze fiction and nonfiction from around the United States, use basic writing conventions, and complete the Archdiocesan Assessment. Students considering entering the workforce after graduation, or completing a trade education program, will find the course useful to their future. *(Fulfills Language Arts requirement)*

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**ENGLISH 10**

Prerequisites: English 9

Gr: 10

Duration: Year

Students trace the growth of the literature of the United States from the colonial times to the twentieth century. Through a survey of this literature, students gain an understanding of our nation and its growth. Students analyze various genres, techniques of literature and styles of key American writers. In addition, students develop vocabulary, writing and researching skills. Students will complete the independent study of four outside readings and write a 2-3 page research paper. *(Fulfills Language Arts requirement)*

**ENGLISH 10 (Honors)** Prerequisites: English 9 and Instructor Approval Gr: 10 Duration: Year  
This course traces the growth of literature of the United States from the Colonial times to the present. Through a survey of this literature, students gain an understanding of our nation and its growth. Students analyze various genres, techniques of literature and styles of key American writers. In the course, students develop vocabulary, writing and researching skills. Students will also be required to individually analyze at least five outside readings. Writing emphasis is directed to expository, analytical and creative papers as well as a 2-3 page research paper. *(Fulfills Language Arts requirement)*

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**BASIC ENGLISH 11** Prerequisites: English 10 Gr: 11 Duration: Year  
Covers reading comprehension, writing skills, and critical thinking outlets for basic English conventions that are used in the workplace and community colleges. Job exploration will be an essential component of the course. *(Fulfills Language Arts requirement)*

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**ENGLISH 11** Prerequisites: English 10 Gr: 11 Duration: Year  
Students cover literature from the British tradition. We will span from Old English works (in translation) to contemporary texts. Class will engage literary analysis, reading comprehension, vocabulary development, thoughtful discussion, and research skills for the 21st Century. Students will spend time in the spring preparing for the ACT exam through the John Baylor *On to College* Program. The curriculum of this course will help students be proficient readers and writers for upper level high school and beyond. *(Fulfills Language Arts requirement.)*

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**ENGLISH 11 (Honors)** Prerequisites: English 10 and teacher approval Gr: 11 Duration: Year  
Students cover literature from the British tradition. We will span from Old English works (in translation) to contemporary texts. Class will engage literary analysis, critical literacy, vocabulary development, thoughtful discussion, and research skills for the 21st Century. Students will spend time in the spring preparing for the ACT exam using the John Baylor *On to College* program. The honors curriculum prepares students for the Dual Credit/AP English 12 course they will take senior year. *(Fulfills Language Arts requirement)*

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**BASIC ENGLISH 12** Prerequisites: English 11 Gr: 12 Duration: Year  
Covers reading comprehension, writing skills, and critical thinking outlets for basic English conventions that are used in the work place and community colleges. Job exploration will be an essential component of the course. *(Fulfills Language Arts requirement)*

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**ENGLISH 12** Prerequisites: English 11 Gr: 12 Duration: Year  
Students will complete a survey of World Literature, which will include examples of short stories, poetry, novels, and drama. Students will also be engaged in analytical writing in the forms of literary analysis and a comparison/contrast essay. Students will be required to complete a 15+ page autobiography, the Archdiocesan Assessment Project and a senior exit interview. *(Fulfills Language Arts requirement)*

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**LITERATURE & COMPOSITION (AP/DC)** Prerequisite: English 11 teacher approval Gr: 12 Duration: Year  
Literature & Composition is a college level course designed to prepare students to take the required Advanced Placement Exam in the spring. Students have the opportunity to earn one to three college credits based on the results of the exam, or students may opt to take the class as a three-credit dual credit course through an approved university. There is a charge for the exam and/or dual credit option, and scholarship money may be available. Students will read and analyze a variety of novels, short stories, dramas, essays, and poetry recommended by the Advanced Placement College Board. In addition to the assigned reading, students will independently analyze at least two outside readings. Writing skills are developed through research, analytical reflection, comparison, and creative papers. *(Fulfills Language Arts requirement)*

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**CREATIVE WRITING** Prerequisites: English 9 Gr: 10-12 Duration: Sem  
This course provides students with a background in various mediums of creative writing, while also allowing students to work on independent projects they are interested in. Students will spend time learning about and writing creative non-fiction, poetry, and short stories. In November, students will participate in NanoWrimo (National Novel Writing Month) where they will take on a larger project of a novel (or short story collection, poetry anthology, or screenplay) that they will challenge themselves to complete in one month. This course will culminate in students editing their work and presenting to others.

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## MYTHOLOGY

Prerequisites: English 9

Gr: 10-12

Duration: Sem

The class will explore the nature of mythology and its significant impact upon various aspects of modern culture. The course begins with a focus on a survey of Greek and Roman mythology, before then exploring world mythology. Norse, Celtic, Egyptian, and West African mythology will be focused on. Students will also spend significant time studying the critical theory that follows mythology. In the last portion of the course, students will look at how mythology has shaped film, literature, and culture throughout history and in contemporary times. This is a project-based class in which assessment will come only through projects. This aims to help students cultivate 21st century and creative skills during their study of mythology.

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# MATHEMATICS

## PRE-ALGEBRA

Prerequisites: None

Gr: 9

Duration: Year

This course is designed to prepare students for Algebra I. The successful completion of this course will not meet part of the three-year math entrance requirement for the University of Nebraska system.

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## ALGEBRA I

Prerequisites: None

Gr:9-10

Duration:Year

This course extends the skills and concepts of basic algebra to include the numbers in fraction form. The solving of open sentences is extended to include equations and inequalities in two variables, as well as quadratic equations. The course also enlarges the students' knowledge of geometric facts and introduces them to some simple trigonometry. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska system. *(Fulfills Mathematics requirement)*

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## BASIC GEOMETRY

Prerequisites: Algebra I

Gr: 9-12

Duration: Year

Geometry is the branch of mathematics that studies properties, measurement, and relationships of points, lines, angles, surfaces, and solids. In this course, students will further the development of their reasoning and special thinking skills through a variety of hands-on investigations, written assignments, and use of technology. Although this class is not proof oriented, there will be emphasis on application problems and strengthening arithmetic and algebra skills. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska Kearney and Omaha. *(Fulfills Mathematics requirement)*

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## GEOMETRY

Prerequisites: Algebra I

Gr: 9-12

Duration: Year

This course presents the language, symbolism and thought processes of Geometry. Basic postulates and theorems needed for the study of lines, polygons, and circles are developed and proven. A basic introduction to triangle trigonometry is also presented. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska system. *(Fulfills Mathematics requirement)*

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## GEOMETRY (*Honors*)

Prerequisites: Algebra I & teacher approval.

Gr: 9-10

Duration: Year

Honors students apply the vocabulary, postulates and theorems of Geometry to proofs about triangles and parallelograms. Students will analyze polygons and calculate the measures of their sides and angles. Students create their own theorems based on information they learn and compare them to theorems previously studied. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska system.

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## ALGEBRA II

Prerequisites: Geometry

Gr: 10-12

Duration: Year

This course includes a review of Algebra I skills. Some of the topics included are quadratics, functions and relations, complex numbers, exponents, and solving equations and inequalities. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska system. Scientific Calculator (TI-30XIIS recommended) – If planning to take Pre-Calculus/Calculus, TI Graphing Calculator Recommended) *(Fulfills Mathematics requirement)*

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## ALGEBRA II (*Honors*)

Prerequisites: Geometry & teacher approval

Gr:10-12

Duration: Year

This is an accelerated course that covers the review of Algebra I skills, solving quadratics, complex numbers, geometry, trigonometry, matrix Algebra, sequence and series, as well as basic concepts of probability theory. Scientific Calculator (TI-30XIIS recommended) – If planning to take Pre-Calculus/Calculus, TI Graphing Calculator Recommended. The successful completion of this course will meet part of the three-year math entrance requirement for the University of Nebraska system. *(Fulfills Mathematics requirement)*

STATISTICS (*Dual Credit*) Prerequisite: Teacher approval and “C” in Algebra II Gr:11-12 Duration: Year  
Statistics introduces descriptive and inferential statistics. Topics include the binomial, normal, student-t and chi-square distributions, descriptive measures, probability, hypothesis testing, estimation, linear regression. College credit is available via the University of Nebraska Omaha. (*Fulfills Math requirement*)

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PRE-CALCULUS/TRIG (*Honors*) Prerequisites: Teacher approval and “C” in Algebra II Gr: 11-12 Duration:Year  
Pre-calculus is an intensive review of College Algebra and Trigonometry and prepares students for Calculus. Topics include functions, logarithms, systems of equations, matrices, polynomials, conic sections, trigonometric functions, graphs, identities, equations, complex numbers, and polar coordinates. (*Fulfills Mathematics requirement*)

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CALCULUS BC (*AP*)(*Dual Credit*) Prerequisites: Teacher approval & Pre-Calc “C” Gr: 11-12 Duration: Year  
Must maintain C+ average in class. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals. This course follows the Advanced Placement curriculum. College credit is available via the University of Nebraska Omaha. (*Fulfills Mathematics requirement*)

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CALCULUS 3/DIFFERENTIAL EQUATIONS (DC) Prerequisites: Teacher approval & Calc BC Gr: 11-12 Duration: Year  
Prerequisites: Teacher approval and Calculus BC (C+ average). Teacher approval and Calculus BC (C+ average). Must maintain C+ average in class. The primary objects of study in differential calculus are the derivative of a function, related notions such as the differential, and their applications. College credit is available via the University of Nebraska Omaha. (*Fulfills Mathematics requirement*)

## SCIENCE

BIOLOGY Prerequisites: None Gr: 9 Duration: Year  
Course focuses on developing a deeper understanding of basic biological principles. The course investigates seven unifying themes: structure and function, energy relationships, reproduction and inheritance, development, evolution, ecology, and science and society. This course is lab-oriented and emphasizes the process of science. (*Fulfills Science requirement*)

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BIOLOGY (*Honors*) Prerequisites: None Gr: 9 Duration: Year  
Course focuses on developing a deeper understanding of basic biological principles. The course investigates seven unifying themes: structure and function, energy relationships, reproduction and inheritance, development, evolution, ecology, and science and society. This course is lab-oriented and emphasizes the process of science. (*Fulfills Science requirement*)

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AP BIOLOGY (*AP/Dual Credit*) Prerequisite: B in Bio, A&P, Chemistry, teacher approval Gr: 11-12 Duration: Year  
Advanced Biology places emphasis on the study of basic biological principles through lecture, laboratory, and discussion. The course serves as an investigative science of living organisms by examining the common themes that unite the diversity of life that exists on the planet. Topics include cellular biology, genetics, anatomy and physiology, ecology, and evolution. Dual enrollment through U.N.O. (*Fulfills Science requirement*)

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PHYSICAL SCIENCE Prerequisites: Biology Gr: 10-12 Duration: Year  
Physical Science introduces students to the physical principles that govern the world around them. The first semester is devoted to the study of chemistry and the second semester is devoted to the study of physics. The process of science is explored through hands-on laboratory experiments. (*Fulfills Science requirement*)

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**EARTH SCIENCE** Prerequisites: Biology Gr: 10-12 Duration: Year  
Earth Science is a college preparatory course designed to introduce students to the dynamic forces shaping the earth's surface. Course of study includes physical and geological aspects of the changing earth. Students will analyze the following topics: astronomy, climatology, environment, geology, meteorology, mineralogy, paleontology, and plate tectonics. Careers in the earth sciences will also be explored. *(Fulfills Science requirement)*

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**CHEMISTRY** Prerequisites: Biology Gr: 10-12 Duration: Year  
Chemistry is a college preparatory course designed to introduce students to the chemical principles that govern the world around them. The course is divided into three components: lecture/ demonstration, laboratory, and problem solving. Lecture/demonstration is a means of introducing new material. Laboratory sessions offer students the opportunity to discover chemical principles through experimentation. Problem solving allows students to develop skills in this area while interacting with other students. *(Fulfills Science requirement)*

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**CHEMISTRY (AP)** Prerequisites: B+ in Chemistry, teacher approval Gr: 11-12 Duration: Sem  
Advanced Placement Chemistry is a college level course that focuses on the study of basic chemical principles through lectures, laboratories, and problem solving sessions. Topics include atomic theory, molecular weights and moles, thermochemistry, gases, chemical bonding, acids and bases, oxidation-reduction, and reaction rates. Students completing this course are eligible to gain college credit by taking the AP exam in May. Because AP Chemistry is a college level course, the workload involved is greater than that of other high school science courses. *(Fulfills Science requirement)*

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**ZOOLOGY** Prerequisites: Biology and Chemistry Gr: 11-12 Duration: Year  
An in-depth look at the kingdom of animals. Will include labs and how to read and perform scientific research. *(Fulfills Science requirement)*

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**PHYSICS (Honors)** Prerequisites: Teacher Approval Gr: 11-12 Duration: Year  
Physics aims to give students an understanding of the contemporary view of the physical world. Topics to be covered include mechanics, heat, light, astronomy, electricity and magnetism. Emphasis is placed on investigating these concepts through laboratory and problem solving activities. Students planning on a medical or science career are encouraged to enroll in this course. *(Fulfills Science requirement)*

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**INTRO TO HEALTH CAREERS** Prerequisites: None Gr: 10-12 Duration: Sem  
This course focuses on developing an awareness of the various health care skill standards needed for employment in health careers. Introduction to Health Careers is designed to give an overview of the therapeutic, diagnostic, support, health informatics, and biotechnology research systems of the healthcare industry.

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**MEDICAL TERMINOLOGY** Prerequisites: Biology Gr: 10-12 Duration: Sem  
This class is designed to help students identify, spell and define medical terms related to the diagnoses, pathology and treatment of the major body systems. Students will use this as a basic foundation to all health care career pathways.

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**HUMAN ANATOMY & PHYSIOLOGY (Honors)** Prerequisites: Biology & Chemistry Gr: 11-12 Duration: Year  
Human Anatomy and Physiology is a full-year course designed for the student that has a medical health career as a goal. Human Anatomy and Physiology will include a detailed study of the structure and function of the body, including digestion and metabolism, the respiratory system and cellular development, circulatory system and immunity, excretory system and body fluids, muscular and nervous systems and the reproductive system and human development. Students will be able to identify all assigned body parts as well as their physiology, and be able to apply this information to life situations involving the human body. *(Fulfills Science requirement)*

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# SOCIAL SCIENCE

**WORLD HISTORY** Prerequisites: None Gr: 9 Duration: Year  
World History is required of all freshmen and will focus on the human journey from the fall of Rome to the era of the world wars. Students will examine the evolution of social, political, and economic systems and theories, and how their development has affected the modern world. *(Fulfills Social Studies requirement)*

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**WORLD HISTORY (Honors)** Prerequisites: None Grade: 9 Duration: Year  
In addition to the same content material as the required World History class, the Honors World History class requires students to analyze information from supplemental sources. Students also complete projects and activities designed to develop analytical and critical thinking skills. *(Fulfills Social Studies requirement)*

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**U.S. HISTORY** Prerequisites: World History Gr: 10 Duration: Year  
U.S. History traces the philosophical, political, economic and social development of the United States from Colonial times to the modern era. Students will examine the major events in U.S. history and the impact of these events on the nation today. *(Fulfills Social Studies requirement)*

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**U.S. HISTORY (Honors)** Prerequisites: World History, Teacher approval Gr: 10 Duration: Year  
In addition to the same content material as the required U.S. History class, Honors U.S. History requires students to analyze information from supplemental sources. Students also complete projects and activities designed to develop analytical and critical thinking skills. *(Fulfills Social Studies requirement)*

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**HISTORY OF OMAHA** Prerequisites: U.S. History Gr: 11-12 Duration: Sem  
This course is designed to cover the origins and histories of the Omaha area from 1854 to present. This course will explore the social, economic, and political changes that occurred in Omaha. It will also focus on main events that affected Omaha and other parts of the country.

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**U.S. GOVERNMENT** Prerequisites: U.S. History Gr: 11-12 Duration: Sem  
U.S. Government is designed to introduce students to the origin and nature of government, and to promote active and informed participation in the political process. The course highlights the historical roots of American government, as well as the constitutional foundation of the current political system. *(Fulfills Social Studies requirement)*

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**ECONOMICS & PERSONAL FINANCE** Prerequisites: World and US History Gr: 11-12 Duration: Sem  
Economics and Personal Finance is designed to introduce students to the U.S. economic system and their roles and responsibilities in this system. Students will examine major elements of macroeconomics and microeconomics, as well as personal earning, saving, investing, and special decisions.

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**AP GOVERNMENT AND POLITICS (AP)** Prerequisites: US History, teacher approval Gr: 11-12 Duration: Year  
AP Government and Politics is designed to prepare students for successful completion of the A.P. examination. The course covers six topics - constitutional underpinnings, political beliefs and behaviors, political parties, interest groups, mass media, institutions (Congress, Presidency, Bureaucracy, and Courts), public policy, as well as civil rights and civil liberties.

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**SOCIOLOGY** Prerequisites: None Gr: 11-12 Duration: Sem  
Sociology is designed to introduce students to the study of human behavior and interaction in groups. Students will examine the development of the field of sociology and its application in helping to explain, control, and adapt social behavior.

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**PSYCHOLOGY** Prerequisites: None Gr: 11-12 Duration: Sem  
Psychology introduces students to the study of human behavior and mental processes. The course covers psychological experimentation and testing connections between mind and body, learning and cognitive processes, human development, personality theories, and psychological health.

**MODERN AMERICAN HISTORY** Prerequisites: None Gr: 11-12 Duration: Sem  
This course addresses the social, economic, political, and military aspects of the United States from the end of World War II to the present. The course will emphasize the important people, issues, and events of the latter half of the 20<sup>th</sup> century through our present day.

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**JUSTICE & LAW** Prerequisites: None Gr: 11-12 Duration: Sem  
This course is a law-related education class which uses interactive methods to give students a practical understanding of law and our legal system. Students examine legal issues relevant to their lives and develop knowledge and skills essential in our law-oriented society.

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**INTRODUCTION TO PHILOSOPHY (Dual Credit)** Prerequisites: teacher approval Gr: 12 Duration: Sem  
This course is taught with Metro Community College. Tuition and registration with Metro is required. This course introduces students to the study of philosophy in the context of a religion course using the philosophy of the Catholic Church. Topics covered include God, freedom, self, logical argumentation, knowledge, reality, meaning, truth and ethics. The development of Western philosophy and its philosophers will be studied and analyzed.

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## **WORLD LANGUAGE**

**FRENCH I** Prerequisites: None Gr: 9-11 Duration: Year  
This course is designed for students who have had little or no French background. It begins with the development of speaking, reading, writing, and listening comprehension in the French or Francophone countries by use and emphasis on real life situations. In learning a new language, one's own language is improved and continues to become refined. This course also aims to heighten students' awareness of different cultures, especially the French culture.

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**FRENCH II** Prerequisites: French I Gr: 10-12 Duration: Year  
This course develops the basics learned in French I and continues the development of the language for improved understanding of French. Reading, writing, listening, and speaking skills of students are enhanced in French II. Students receive enrichment in the understanding of the different cultures, mainly the French.

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**FRENCH II (Honors)** Prerequisites: French I and Instructor approval Gr: 10-12 Duration: Year  
This course is designed for students who have mastered the learning strategies to acquire vocabulary and structure quickly. Focus will be on more complicated language structures, developing cognitive skills in reading and listening comprehension, and in producing target language both orally and written. Students will demonstrate competency through performance based assessments as well as traditional assessments. Cultural topics will vary depending on countries studied.

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**FRENCH III (Honors)** Prerequisites: C or better in French II, teacher approval Gr: 10-12 Duration: Year  
This advanced course is designed to further the development of French skills. Students enhance their reading and writing in French while emphasizing the improvement of their speaking and listening skills. Throughout this course, students develop a working knowledge of French to achieve a better proficiency in the language and enhance their awareness of the diversity of cultures in the world. Cultural activities play a larger role than in the previous courses.

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**FRENCH IV (Honors)** Prerequisites: French III and Instructor Approval Gr: 11-12 Duration: Year  
This advanced course is designed to further enhance and hone students' skills in the language. This course helps further enhance reading and writing with further emphasis on listening and speaking, so students have a workable and usable practical application of French. Students receive enrichment in the understanding of multiple francophone cultures including African and Polynesian.

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**SPANISH I** Prerequisites: None Gr: 9-11 Duration: Year  
This course is designed for students who have had little or no Spanish background. It begins with the development of speaking, reading, writing, and listening comprehension in the Spanish language by use and emphasis on real life situations. In learning a new language, one's own language is improved and continues to become refined. This course also aims to heighten students' awareness of different cultures, most especially the Spanish/Hispanic cultures.

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**SPANISH II** Prerequisites: Spanish I Gr: 10-12 Duration: Year  
This course develops the basics learned in Spanish I and continues the development of the language for improved understanding of Spanish. Reading, writing, listening, and speaking skills of students are enhanced in Spanish II. Students receive enrichment in the understanding of the different cultures, mainly Spanish/Hispanic.

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**SPANISH II (Honors)** Prerequisites: Spanish I and Instructor Approval Gr: 10-12 Duration: Year  
This course is designed for students who have mastered the learning strategies to acquire vocabulary and structure quickly. The focus will be on more complicated language structures, on developing cognitive skills in reading and listening comprehension, and in producing target language both orally and written. Students will demonstrate competency through performance based assessments as well as traditional assessments. Cultural topics will vary depending on country/countries studied.

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**SPANISH III (Honors)** Prerequisites: "C" in Spanish II, Instructor Approval Gr: 10-12 Duration: Year  
Students enhance their reading and writing in Spanish while emphasizing the improvement of their speaking and listening skills. Students will develop a working knowledge of Spanish to achieve a better proficiency in the language and enhance their awareness of the diversity of cultures. Cultural activities play a larger role than in the previous courses.

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**SPANISH IV (Honors)** Prerequisites: Spanish III, Instructor Approval Gr: 11-12 Duration: Year  
This advanced course is designed to further enhance and hone students' skills in the language. This course helps further enhance reading and writing with further emphasis on listening and speaking, so students have a workable and usable practical application of Spanish.

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**SPANISH V (Honors)** Prerequisites: Teacher Approval Gr: 12 Duration: Year  
The purpose of this course is to provide an individualized improvement of Spanish. The course strengthens the skills of students in all areas. This course continues to advance students to a level of competency in Spanish. Student experiences may include teaching lower level skills to others, interacting with native speakers, conversing in Spanish, developing activities for others and one's self as well as creating situations for performance in Spanish.

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## **HEALTH & PHYSICAL EDUCATION**

**INTRO FOR PE AND FITNESS** Prerequisites: None Gr: 9th ONLY Duration: Sem  
This course will introduce students to the foundations of physical fitness and equip them with the knowledge and skills necessary to design a fitness program. This includes: (1) assessing their personal fitness levels; (2) creating a plan for improvement; (3) setting physical activity and fitness goals; (4) participating in a variety of physical activities (e.g. weight training, aerobics, individual and team sports, and swimming); and (5) using current technology, (e.g. activity trackers, heart rate monitors, pedometers, and computerized fitness assessment programs).

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**HEALTH** Prerequisites: None Gr: 9-12 Duration: Sem  
This course is designed to introduce students to the basic knowledge of personal health. The student will be introduced to various topics that are concerns in today's society. Students will demonstrate the ability to use decision-making skills and goal-setting skills to enhance health. The students will demonstrate the ability to advocate for personal, family, and community health. Students will also analyze the influence of family, peers, culture, media, technology, and other factors on health behaviors

## LIFETIME ACTIVITIES

Prerequisites: None

Gr: 9-12

Duration: Sem

This course includes basic skills, knowledge and strategies of lifetime activities that contribute to a healthy, active adult lifestyle. Students will participate in a variety of lone, duo, and group lifetime activities.

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## ADVANCE STRENGTH & CONDITIONING

Prerequisites: None

Gr: 10-12

Duration: Sem

This course is an introduction to the fundamentals of Weight Training. This course emphasizes the physical and psychological benefits achieved through proper training. Students are taught the importance of proper technique and the major muscle groups. Through students' active participation in the course instills in them a desire for a physically fit lifestyle.

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## TEAM GAMES

Prerequisites: None

Gr: 9-12

Duration: Sem

This course includes basic skills, knowledge and strategies of lifetime activities that contribute to a healthy, active adult lifestyle. Students will participate in a variety of lone, duo, and group lifetime activities.

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# VISUAL ARTS

## DRAWING I

Prerequisites: None

Gr: 9-12

Duration: Sem

*(Students furnish pencils, erasers and sketchbook)* This course gives studio instruction in perception and drawing skills with emphasis on pencil techniques. Various techniques and media are presented to create drawings of still life, landscape, and figure study. A printmaking unit is also covered.

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## PAINTING I

Prerequisites: None

Gr: 9-12

Duration: Sem

*(Students furnish paints)* This course places an emphasis on color theory and composition through various techniques of using opaque and transparent painting mediums (acrylic and watercolor). Students paint the set for the musical.

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## POTTERY I

Prerequisites: None

Gr: 9-12

Duration: Sem

This course includes instruction in pinch, coil and slab techniques of making hand built pottery, and the process of creating pottery forms on the potter's wheel. An emphasis is placed on decoration. Materials fee will be assessed.

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## 3-D DESIGN

Prerequisites: None

Gr: 9-12

Duration: Sem

This course explores various ways to create both sculpture and jewelry through the use of various mediums (clay, paper, wire, plastics, metals, etc.). Jewelry pieces may include clay, wire, casting, etc. Sculpture pieces include additive and subtractive methods, wire, found objects, paper, and edible art. Materials fee will be assessed.

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## PHOTOGRAPHY

Prerequisites: None

Gr: 9-12

Duration: Sem

*(Student provides digital camera and covers cost for photographic materials)* This class covers the basics of photography. Camera usage, camera parts, composition, exposure, and lighting will be covered using digital cameras. Students will study famous photographs and the stories behind them. An introduction to Photoshop will include at least 35 projects.

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# MUSIC

## MIXED CHORUS

Prerequisites: None

Gr: 9-12

Duration: Sem

This course is designed to teach students the skills necessary to become intelligent, independent vocalists. Skills include reading music notation, alignment, breathing technique, phrasing, diction, attacks and cut-offs, as well as choral blend. Each semester includes at least one performance and attendance at all performances is required. Grades are based on participation and musicianship.

**BAND** Prerequisites: Participation in Elementary/JH band Gr: 9-12 Duration: Sem  
This course is designed for students to continue the development of expertise on their individual instruments. Students work on intonation, expression, and sight-reading skills to create an effective ensemble. Each semester includes at least one performance and attendance at all performances is required. Grades are based on participation and musicianship.

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**PIANO** Prerequisites: None Gr: 9-12 Duration: Sem  
Students learn the fundamentals of playing piano, including melodic and harmonic intervals, chords, and playing from a lead sheet. Students will also learn the history of the piano, how the piano works, and information about famous composers/pianists. Students will have opportunities to play in at least one concert during the semester.

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**WOMEN'S CHORUS** Prerequisites: None Gr: 9-12 Duration: Sem  
This course is designed to teach female students the skills necessary to become intelligent, independent vocalists. Skills include reading music notation, alignment, breathing technique, phrasing, diction, attacks and cut-offs, as well as choral blend. Each semester includes at least one performance and attendance at all performances is required. Grades are based on participation and musicianship.

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**INTRO TO INSTRUMENTS** Prerequisites: None Gr: 9-12 Duration: Sem  
In this course, students with limited to no instrumental music experience spend a semester learning popular instruments such as percussion, ukulele, guitar, and/or piano. Students will learn to read notes, rhythms, chord charts, and tablature. The goal is exposure to instruments that have the potential to become lifelong hobbies.

## **THEATER**

**INTRO TO THEATER** Prerequisites: None Gr: 9-12 Duration: Sem  
This course focuses on the history, theory, and practice of dramatic arts. The course begins with an overview of theater terminology. It then moves on to script and character study and analysis. We will cover audition etiquette and monologue memorization. Finally, we will focus on learning more about works in standard theater and musical theater repertoire. The class will include ongoing study of theater history through the Crash Course Theater series on YouTube. The class will also include the regular practice of theater and improvisational games. Students are asked to be vulnerable and open-minded in order for the class to be enjoyable and engaging.

## **BUSINESS EDUCATION**

**TECHNOLOGY APPLICATIONS** Prerequisites: None Gr: 9-12 Duration: Sem  
Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally.

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**FINANCIAL SERVICES & INVESTING** Prerequisites: None Gr: 10-12 Duration: Sem  
Financial Services and Investing provides students with an overview of financial services companies. This course introduces students to banking, monetary policy, investing, and financial careers. Students examine current issues including ethics in the financial services industry.

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**ACCOUNTING 1** Prerequisites: None Gr: 10-12 Duration: Sem  
This one-semester course covers a service business organized as a sole proprietorship which will include accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using technology.

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**ACCOUNTING 2**

Prerequisites: Accounting 1

Gr: 10-12

Duration: Sem

This one-semester course covers concepts of a merchandising business which will include accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including payroll, related career opportunities, application of generally-accepted accounting principles related to recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in and related to the accounting field and are given the opportunity to perform accounting applications using technology. Accounting 1 is a recommended prerequisite to this course.

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**MARKETING**

Prerequisites: None

Gr: 10-12

Duration: Sem

Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

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**BUSINESS LAW**

Prerequisites: Intro to Business

Gr: 10-12

Duration: Sem

In this course, students develop an understanding of laws and regulations that impact business. Topics included are contracts, environmental, and employment law. Students also acquire knowledge of business torts, sources of law, and the United States judicial system and legal procedures.

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**INTRO TO ENTREPRENEURSHIP**

Prerequisites: None

Gr: 10-12

Duration: Sem

Entrepreneurship is a course with emphasis on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Work-based learning strategies could be included through the development of a business plan, operation of school-based enterprise, or actual creation of a student-run business.

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**SPORTS AND ENTERTAINMENT MARKETING**

Prerequisites: None

Gr: 10-12

Duration: Sem

The objective of Sports and Entertainment Marketing is to introduce students to the fundamentals of Marketing through the sports and entertainment industries. The course will allow students to hear knowledgeable speakers, produce individual and group projects, discuss current Marketing strategies and view relevant videos. Sports and Entertainment Marketing focuses on marketing and management functions/tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, selling or renting of supplies and equipment used for recreational or sporting purposes, products, and services related to hobbies or cultural events, or businesses primarily engaged in satisfying the desire to make products or enjoyable use of leisure time.

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## **CULINARY ARTS**

**INTRO TO FOODS AND NUTRITION**

Prerequisites: \$15 Lab Fee

Gr: 9-12

Duration: Sem

This course includes the fundamentals of food preparation and cookery. The course consists of two components: lecture and labs. In labs, the students will implement the cooking principles discussed in lecture. The course will cover cooking techniques, material handling, heat transfer, sanitation, safety, and basic nutrition. Students will describe the process of digestion and explain the six essential nutrients that play a role in a healthy diet. Students will also create a menu plan, modify recipes, and prepare foods that meet dietary guidelines and restrictions.

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**INTRO TO BAKING**

Prerequisites: \$15 Lab Fee

Gr: 9-12

Duration: Sem

Introduction to Baking Fundamentals explores how baking, ingredients, heat, and equipment impact the quality of baked goods, pastries, and fillings. The course consists of two components: lecture and labs. In labs, the students will implement what is discussed in lecture. In labs, students will bake a variety of foods and examine how the ingredients and methods affect the final product. This course explores the topics of baking terminology, tool and equipment use, formula conversions, functions of ingredients, and the evaluation of baked products.

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**CULINARY ARTS** Prerequisites: \$20 Lab Fee & Intro to Baking or Foods Gr: 10-12 Duration: Sem  
Culinary Arts is an advanced course for students who have taken "Introduction to Baking Fundamentals" and "Introduction to Nutrition and Food Preparation." The course integrates cooking and baking concepts to create, modify, and deconstruct advanced culinary dishes. Students will also study specialty foods and garnishes, with an emphasis on design, techniques, and display of fine foods. As part of this course, students will use created recipes and food presentation skills for the ICA Metropolitan Community College Culinary Competition team. A \$20 lab fee is required for this course. Covers 2 periods.

## **HUMAN SERVICES**

**TEXTILE ANALYSIS AND CONSTRUCTION** Prerequisites: Lab Fee \$15 Gr: 10-12 Duration: Sem  
Textile Analysis and Construction aims to provide students with a basic understanding of how garments are designed, constructed, and sold. The course consists of both lecture and lab work. In lecture, students will explore the color theory, elements and principles of design, and the history of fashion. Students will also properly identify different fabrics and describe proper garment care. In the lab, students will construct basic garments and accessories, using the proper stitch applications and assembly techniques. A \$15 lab fee is required for this course.

**HOUSING AND INTERIORS** Prerequisites: None Gr: 10-12 Duration: Sem  
Housing and Interiors blends the two areas of housing; consisting of residential planning, universal design, and architecture, with the interiors component, consisting of traditional, transitional, and contemporary room designs and decor. Students will also identify principles of proper furniture arrangement and describe how to select color schemes, fabrics, finishes, and accessories. In addition, the course covers an introductory overview of the history of design in furniture, interiors, and architecture and how these concepts relate to today.

## **STEAM** (Science Technology Engineering Arts Math)

**STEAM: DISCOVERY** Prerequisites: None Gr: 9-12 Duration: Sem  
In this course, students explore the resources in the STEAM lab. Through project-based learning, students will complete a series of independent projects with available technology including graphic design, digital media, video production, circuitry, sustainable technologies, mechanical engineering, coding, robotics, and scientific measurement technology. Students will be expected to keep an online portfolio of their work.

**INTRODUCTION TO ENGINEERING** Prerequisites: None Gr: 10-12 Duration: Sem  
This course is designed as a survey for students interested in exploring the field of engineering. Students will be introduced to five major types of engineering including mechanical, electrical, computer, civil, and environmental engineering. Students will learn through hands-on engineering projects, listening to a series of speakers in the field, and mini research projects.

**INTRODUCTION TO DIGITAL MEDIA** Prerequisites: None Gr: 9-12 Duration: Sem  
In this course, students will explore digital media through project-based learning. Topics will include video game design, block-based coding, 2D and 3D graphic design, Garageband, and video production. Students will be expected to keep an online portfolio of their work.

**INTRODUCTION TO GRAPHIC DESIGN** Prerequisites: None Gr: 9-12 Duration: Sem  
In this course, students will expand their digital literacy by exploring various graphic design apps. Students will investigate 2D design using apps such as Photoshop and Adobe Illustrator and 3D design using Tinkercad and Sketch Up. Additionally, students will explore the graphic design resources on the Adobe Creative Cloud such as Dimension and In Design. Students will be expected to maintain an online portfolio of their work.

**ROBOTICS** Prerequisites: None Gr: 9-12 Duration: Year  
In this course, students will explore VEX robotics. They will learn the basics of building and programming VEX robots. Students in the course may join the robotics team and participate in local competitions, though it is not required.



**BROADCASTING**

Prerequisites: None

Gr: 10-12

Duration: Year

Broadcasting introduces students to broadcasting and video production through a theory based, hands-on approach. Topics include the fundamental technical aspects of the digital video camera, camera shots, image composition, media literacy, aesthetic elements, techniques, non-linear editing, Sony Vegas, public service announcements, television advertising, short films, Tri-caster, live broadcasting, as well as broadcast roles and responsibilities. Students also have the opportunity to work in the Broadcasting Studio to produce a variety of programming.

## **NON-DEPARTMENTAL**

**YEARBOOK**

Prerequisites: English 9 and teacher Approval

Gr: 10-12

Duration: Year

Students will apply the basic elements of yearbook design to produce the school yearbook. Students will be required to help plan the total yearbook design and individual page designs by using appropriate layout techniques. Various writing techniques will be used in completing body copy, headlines and captions. In addition, students will assist with photography and business sections of the yearbook.