

OZARK CATHOLIC ACADEMY

Understanding the Academic Advantage
2022-2023



OZARK CATHOLIC ACADEMY

HUMANE LETTERS- 4 CREDITS	YEAR	GRADUATION REQUIREMENTS 2022-2023		SCIENCE- 4 CREDITS	YEAR
Humane Letters I	9th Grade			Physics	
Humane Letters II	10th Grade			Biology	
Humane Letters III	11th Grade			Chemistry	
Humane Letters IV	12th Grade			Physical Science/Elective	
RELIGION- 4 CREDITS	YEAR	FOREIGN LANGUAGE- 3 CREDITS	YEAR	PHILOSOPHY	YEAR
Religion I	9th Grade	Latin I		Philosophy of the Human Person	9th Grade
Religion II	10th Grade	Latin II		Logic	10th Grade
Religion III	11th Grade	Latin III		Ethics	11th Grade
Religion IV	12th Grade	Latin IV		Bioethics	12th Grade
MATHEMATICS- 4 CREDITS**	YEAR	HISTORY- 4 CREDITS	YEAR		YEAR
Algebra I		World History I		Oral Communications- 1/2 Credit	
Geometry		World History II		Health- 1/2 Credit	
Algebra II		US History		Athletics	
Pre-Calculus		Civics or Government- 1/2 Credit		Fine Arts- 1 Credit	
Calculus		Economics- 1/2 Credit			

OZARK CATHOLIC ACADEMY

ALIGNMENT & MAPPING OF SCIENCE COURSES

*PHYSICAL SCIENCE

PHYSICS

CHEMISTRY

BIOLOGY

*SCIENCE ELECTIVE

**Students earning a Physical Science credit during their 8th grade year will be exempt from a science elective their senior year. However, if they would like to earn an additional science credit, there will be ample room in their schedule to do so. This would look particularly favorable if they were interested in pursuing a science-based major in college.*

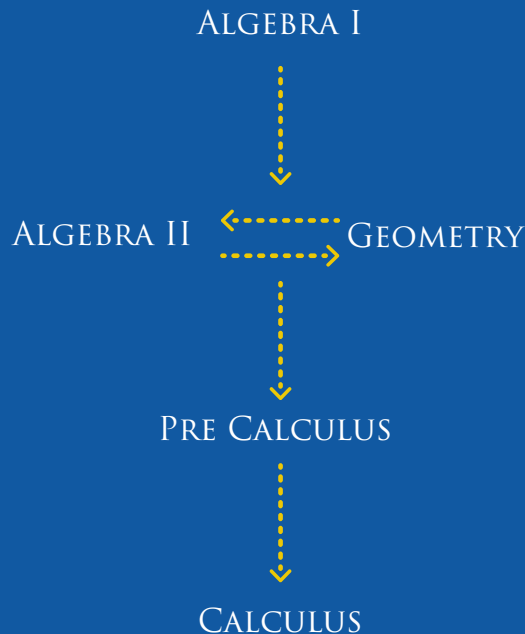
SCIENCE CLASSES OFFERED AT OZARK CATHOLIC ACADEMY

Physics: Physics studies topics such as motion, forces, energy, momentum, vectors, waves, electricity, and magnetism. Students will be engaged in scientific inquiry, investigations, and labs so that they develop a conceptual understanding.

Biology: Biology is taught through the lens of our Catholic Faith with the use of faith and reason. The students engage in the study of life incorporating lecture, labs, group work, hands-on activities, oral presentations, research papers, and exams.

Chemistry: Chemistry studies the fundamentals of matter, its characteristics, structure, and behavior. The students learn through lectures, labs, group work, hands-on activities, oral presentations, research papers, and exams.

ALIGNMENT & MAPPING OF MATH COURSES



MATH CLASSES OFFERED AT OZARK CATHOLIC ACADEMY

Algebra I: This course begins with a review of basic mathematical operations and concepts that revolve around fractions, decimals and percentages followed by an introduction to various types of functions. Next, Linear functions are examined in depth along with quadratic functions and systems of equations.

Algebra II: This course begins with a review of major Algebra 1 concepts such as exponent and roots, linear functions and graphing functions. The course then moves into the investigation of concepts such as matrices, imaginary numbers, polynomial functions with radicals, conics and finally ends with a brief overview of probability and statistics.

Geometry: In Geometry, we focus on principles from both simple logic to complex arithmetic to make sense of spatial relationships and shapes as they occur in the world. The course load contains such topics as geometric proofs and basic trigonometry.

Pre Calculus: Students will solve polynomials and factor expressions, practice rational expressions, understand functions and their properties. They will cover trigonometric identities and functions, logarithmic properties and functions, exponential functions, imaginary numbers, and function behavior and discontinuities. They will end the year with polar coordinates and an introduction to limits in Calculus.

Calculus: Students will cover limits, function behavior, the fundamental theorem, derivatives, antiderivatives, integrals, rates of change and related rates, area under a curve, area between two curves, slope fields, volumes of revolution, Riemann sums, understanding infinity and much more.

ALIGNMENT & MAPPING OF HUMANE LETTERS COURSES

HUMANE LETTERS I



HUMANE LETTERS II



HUMANE LETTERS III



HUMANE LETTERS IV

AN OVERVIEW OF HUMANE LETTERS: YEAR BY YEAR

Humane Letters I: In their first Humane Letters course, OCA students embark on a journey that takes them from Ancient Greece to the glory of Pax Romana, from the Middle Ages into the flourishing Renaissance. This passage through great works, in addition to memorizing poetry and honing academic writing skills, introduces the young scholar to the value and joy of deep inquiry and conversation.

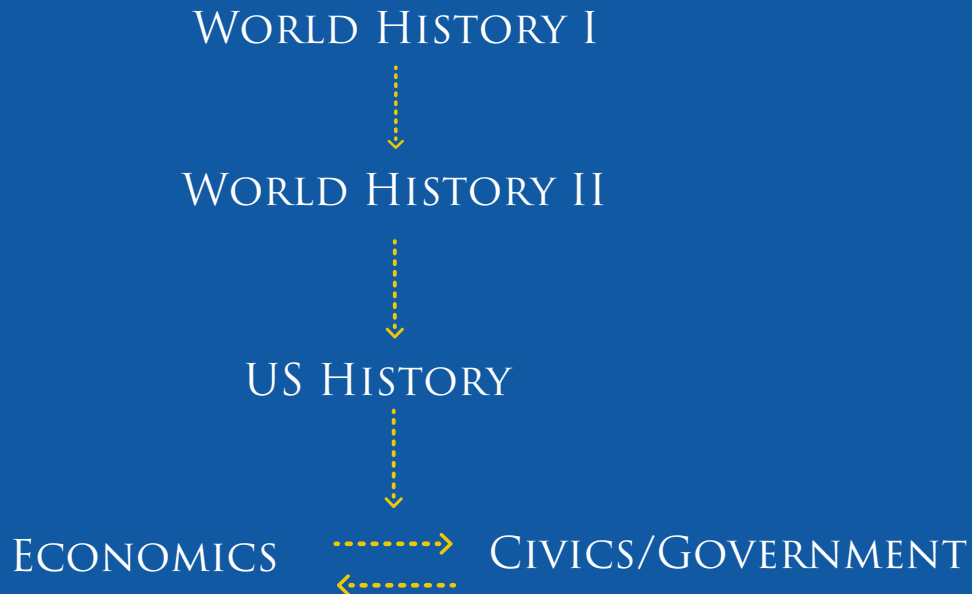
Humane Letters II: Students in the second year of Humane Letters continue their sojourn through great books, but with an added focus: "What lies at the heart of the text?" Through Socratic seminars, creative exercises, and research/writing assignments, HL II students engage texts as excavators, searching for universal themes.

Humane Letters III: Humane Letters III follows the groundwork laid by courses I & II while redirecting students' focus to American literature. By applying the analytical and conversational skills learned in their first two years, OCA students in HL III begin to experience those works which have come to define their own, immediate culture.

Humane Letters IV: Humane Letters IV is the culmination of our four-year trek through great books. Readings become more complex, building upon or connected to those of previous years and, in some cases, from contemporary authors. If HL I is the place in which we begin building trust and intellectual integrity, HL IV celebrates and expands those gifts before Seniors encounter the world.

OZARK CATHOLIC ACADEMY

ALIGNMENT & MAPPING OF HISTORY COURSES



AN OVERVIEW OF HISTORY COURSES

World History I: Ancient History/Western Civilization. Looking to the ancient Greeks, Romans, & Persia, along with Medieval Western Europe we will learn about the foundations of American order.

World History II: This second year of world history is intended to build upon the freshman year course of Ancient/ Medieval History beginning with the rise of commercial Italy following the Crusades and culminating in the Cold War.

US History: US History will study the American Revolution's successful conclusion, the Westward Expansion, the Civil War, the Industrial Revolution and Immigration Boom, World War One, the Great Depression, World War Two, and so on. At each of these crucial moments in our history as a nation, our very identity was called into question and forged anew.

Economics: Economics students will learn how to identify factors that drive economic decisions, analyze economic choices, understand the differences between Microeconomics and Macroeconomics, and identify the types of economic systems.

Civics/Government: Aristotle held that man was not only a social animal, but also a political animal. The political life therefore is part of the nature of the human person. We are made to be in community with others necessitating a political realm. AP American Government is an advanced course examining the roots of our political nature, philosophy of government, the foundations of the American political system, and the role of the Constitution in our lives as American citizens. I will be challenging you to critically examine the American project, our "brand" of democracy, and the current political scene. Such is one benefit of freedom of speech! Do not be afraid to contribute and listen openly to others.

ALIGNMENT & MAPPING OF LATIN COURSES

LATIN I

LATIN II

LATIN III

LATIN IV

AN OVERVIEW OF LATIN COURSES

Latin I: Students experience the world around them, describe classic art, and engage with stories all through Latin itself. They build up vocabulary and simple grammar that allows them to read and write as they come to know the ancient world and our modern times.

Latin II: With stories from the ancient world and explanations about life in Italy, students deepen their experience of Latin as a living language. They read, write, and listen as they form speaking skills in the language. They also see the influence of Latin on English words and how grammar concepts overlap between the languages.

Latin III: In all years of Latin, students learn prayers and engage with the spiritual life of the Catholic Church. During their third year of Latin, students read from Scripture and experience literature from a broad range of history.

Latin IV: The culminating year of Latin gives students the opportunity to engage with Latin in all the disciplines they have had while at OCA. They will read some texts from science and math, history and philosophy, and art and literature. Students experience the language as it connects many things together in their final year.

SENIOR CAPSTONE PROJECT

This course guides the seniors through developing, implementing, and evaluating a charitable work the student completes. As juniors, the students research and contemplate a need in their community that they can affect and have the plan reviewed by a staff member. The focus is to make the work serve good, beauty and truth. As they become seniors, they hone and put into action their plan. Through the guidance of community mentor volunteers as well as weekly class time and teacher guidance the students develop the skills of organization, communication, and leadership to add good, beauty, and truth to their community.

DRAMA

In Drama, all first year students at OCA embark on a collective quest: mounting one of Shakespeare's plays in a full-scale production. By immersing themselves in challenging texts many have often only ever read or heard of in trepidation, our students develop strong bonds of friendship, trust, and mutual self-giving—transforming Shakespeare's lively characters from mere words on a page to fully-realized humans in the offing. In so doing, our students receive not only the unique opportunity to partake in one of our culture's oldest storytelling traditions, but also to share the exquisite gift of listening, feeling, speaking, and being "as another" in front of friends and family.

ART I

This course is an introduction to the principles and elements of design with special emphasis on color. The students will develop a visual vocabulary as they explore ways to communicate visually. This is a project based course that will encourage students to engage their unique creativity.

ALIGNMENT & MAPPING OF PHILOSOPHY CLASSES

PHILOSOPHY OF THE HUMAN
PERSON



LOGIC



ETHICS



BIOETHICS

AN OVERVIEW OF PHILOSOPHY CLASSES

Philosophy of the Human Person: The students get their first taste of philosophy in the reading of Plato's *Apology of Socrates*. From there we open the discussion of who man is according to the Catholic tradition before God by studying on the principles of the early Greek philosophers as well as Saints Thomas Aquinas and Augustine. This course also includes a module on the Theology of the Body to reinforce a Catholic understanding of the dignity of human sexuality.

Logic: In the Philosophy of Logic, we put into perspective for the student an understanding of how they already make sense of the world by emphasizing discussion from perception and apprehension to putting together arguments in a consistent manner. We also do various readings by the Greek fathers of philosophy, Socrates by way Plato and Aristotle.

Ethics: In this course, students will learn what it means to live a good life, building on the philosophical foundation they built in the Human Person and Logic courses.

Bioethics: In this course, we explore complex bio-medical processes and policies that rightly raise ethical concerns. Students will engage in individual current events research as well as learn sound ethical approaches to questions such as "When does the life of a person begin?", "When does the life of a person end?", and "Can any human being be denied the rights and protections of personhood?"

CURRICULUM ONLY AT OCA

ALIGNMENT & MAPPING OF RELIGION COURSES

RELIGION I



RELIGION II



RELIGION III



RELIGION IV

AN OVERVIEW OF RELIGION COURSES

Religion I: This freshman course is the first in our Didache Series of Religion Courses at OCA. Students begin in the fall semester with the "Faith and Revelation" text in which we consider the beginning of God's desire to know us and more importantly that we know Him. Spring semester is a deeper look at the mystery of the "Blessed Trinity."

Religion II: The Sophomore year takes us up close to our Savior and God's plan for "Redemption" in the fall semester. Spring semester leads us to look into the beauty of "The Church" and all her glory.

Religion III: Junior students take an in depth look at "The Sacraments" and their full meaning in our lives in the fall semester. They are challenged in the spring semester with understanding moral law in "Our Moral Life In Christ"

Religion IV: Seniors finish their Religion studies at OCA focusing on the Social Doctrine of the Church and Vocations. Some call these courses the culmination of high school religion, because the knowledge gained from previous courses is the foundation to live one's faith. These two courses lay the final steps for students of how to live their faith in the world. Each student does an in depth reading, examination and analysis of a social encyclical and how they assist us in living out our Catholic Faith. In the Spring, students will study lives of the saints and lay Catholics throughout history who inspire us through trial and tribulation and yet hold onto to their faith.

CURRICULUM ONLY AT OCA

OZARK CATHOLIC ACADEMY

OCA ATHLETICS

OCA Athletics aims to teach our athletes how to handle success and failure, work well with others, and be competitive in all sports.

GIRLS SPORTS

Cheer

Dance

Cross Country

Volleyball

Golf

Archery

Basketball

Soccer

Track and Field

BOYS SPORTS

Cross Country


Golf

Archery

Basketball

Baseball

Track and Field



Health and CPR: This one semester course provides students with a study of standard Health topics as well as opportunity for CPR and First Aid certification. It is unique in that students are taught separately boys from girls and all topics are considered through the lens of the Catholic Church.

STUDENT LIFE: HOUSES


Ozark Catholic Academy (Students, Faculty, Staff, and Governing Board) is divided into four houses. The house names are taken from the four elements of the OCA coat of arms, House of the Elk, House of the Oak, House of the Mountain, and House of the Water.

The Houses of Ozark Catholic serve many important purposes such as:

- Communicating and encouraging the embodiment of the school's ideals;
- Encouraging leadership, camaraderie, and a sense of pride at OCA;
- Strengthening the enthusiasm and spirit for OCA and give the community a strong culture and a sense of belonging to a tradition and family;
- Encouraging competition as "rallying points" throughout the year to nurture an appreciation of, and participation in festivity;
- Building and creating a culture that is unique to OCA.

STUDENT LIFE: CLUBS

Students are encouraged to participate in clubs to balance their academic load as well as to grow leadership and investment in the OCA school community

A background image showing a group of students in a classroom setting, looking down at something in their hands. The image is overlaid with a blue tint.

Altar Guild
Art
Bowling
Corporal Works of Mercy
Dance
Eastern History
Fencing
Fishing

Griffin Crew
Choir
National Honors Society
Photography
Running
Spiritual Life
Griffins for Life
Sustainability

MENTORING

Ozark Catholic Academy accomplishes its Mission and Vision by forming the whole person, intellectually, spiritually, morally, and physically. Through Academics, Athletics, and Spiritual Life (Mind, Body, and Soul), OCA inspires, encourages, and challenges each student to become who they are called to be. The Mentoring Program is the central meeting point for each aspect of this formation. By cooperating with parents and encountering each mentee in a personal, intentional manner, mentors help ensure the success of each student.

The mentor-mentee relationship centers around conversations with a relaxed tone. As the Mission states from the beginning, "Ozark Catholic Academy engages students...", our mentors work with students on an individual and personal basis. These conversations should have a tenor of the friendship between an older and younger sibling or a parent and child. Conversations allow the mentor to determine what challenges each student faces and listen, ask questions, and encourage students to embrace the difficulties and challenges they may avoid or seek to minimize. Conversation topics include family matters, friendships, academics, sports, their spiritual life, and the ways they are succeeding and struggling. Meetings with the Dean of Mentoring, each month's mentoring team meetings, and the mentoring curriculum guide provide insight for mentors into conversation best practices throughout the school year.

