

Clintondale iCampus Virtual Learning School

COURSE DESCRIPTIONS

2023-2024



iCampus Virtual Learning School Graduation Requirements (20 Credits) This includes the 18 credits required by the State of Michigan.

Michigan High School Graduation Requirements (18 Credits)

ENGLISH LANGUAGE ARTS (ELA) – 4 Credits

- Proficiency in State Content Standards for ELA (4 credits)

MATHEMATICS – 4 Credits

- Proficiency in State Content Standards for Mathematics (3 credits); and
- Proficiency in district-approved 4th Mathematics credit options (1 credit) (Students MUST have a Math experience in their final year of high school.)

ONLINE LEARNING EXPERIENCE

- Course, Learning, or Integrated Learning Experience.

PERSONAL FINANCE – ½ Credit (Effective with students entering 8 th grade in 2024)

- Proficiency in State Content Standards for Personal Finance.

PHYSICAL EDUCATION & HEALTH – 1 Credit

- Proficiency in State Content Standards for Physical Education and Health (1 credit); or
- Proficiency with State Content Standards for Health (1/2 credit) and district-approved extra-curricular activities involving physical activities (1/2 credit).

SCIENCE – 3 Credits

- Proficiency in State Content Standards for Science (3 credits); or
- Beginning with the Class of 2015: Proficiency in some State Content Standards for Science (2 credits) and completion of a Department approved formal Career and Technical Education (CTE) program (1 credit).

SOCIAL STUDIES – 3 Credits

- Proficiency in State Content Standards for Social Studies (3 credits).

VISUAL, PERFORMING, AND APPLIED ARTS – 1 Credit

- Proficiency in State Content Standards for Visual, Performing, and Applied Arts (1 credit).

WORLD LANGUAGE – 2 Credits (Effective with students entering 3rd Grade in 2006)

- Formal coursework or an equivalent learning experience in Grades K-12 (2 credits); or
- Formal coursework or an equivalent learning experience in Grades K-12 (1 credit) and completion of a Department approved formal Career and Technical Education program or an additional visual, performing, and applied arts credit (1 credit).

Electives - 2 Credits

High School Course Offerings 2023-2024

English: All Required

English 9 A	English is the study of the creation and analysis of literature written in the English language. In English 9A, you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In English 9A, you will read and analyze literature in different genres as well as practice skills related to good study habits. You will sharpen your writing skills as you evaluate literary works with regard to literary technique, form, and theme.
English 9 B	English is the study of the creation and analysis of literature written in the English language. In English 9B, you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In English 9B, you will read and analyze Shakespeare's play Romeo and Juliet, as well as read speeches and essays to evaluate their arguments.
English 10 A	In English 10A you will explore the different literary devices used in short stories, such as subject, theme, mood, plot, and narration. You will read and analyze a variety of literary works to learn more about a particular literary device. In English 10A, you will also study a variety of techniques to improve your reading comprehension, writing skills, and grammar and mechanics.
English 10 B	In English 10B you will explore characteristics of different genres of fiction, such as realistic fiction, historical fiction, and science fiction, and analyze historical context, theme, and genre in Franz Kafka's novella The Metamorphosis. In English 10B, you will also study a variety of techniques to improve your reading comprehension, writing skills, and grammar and mechanics.
English 11 A	In English 11A you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive. In English 11A, you will read and analyze different genres in literature with an emphasis on American literary movements over time.
English 11 B	In English 11B you will study a variety of techniques to improve your reading comprehension and writing skills. The instruction covers many types of writing: creative, descriptive, and narrative. In English 11B, you will read and analyze a variety of literary genres with an emphasis on modern American literature and literary movements.
English 12 A	In English 12A you will explore the relation between British history and literature from the Anglo-Saxon period through the neoclassical era, including the works of Shakespeare. In English 12A you will also study a variety of techniques to improve your reading comprehension, writing skills, and grammar and mechanics. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive.
English 12 B	In English 12B you will explore the relation between British history and literature from the romantic period to the modern era. In English 12B you will also study a variety of techniques to improve your reading comprehension, writing skills, and grammar and mechanics. The instruction covers many types of writing: creative, descriptive, expository, narrative, and persuasive.

Math: Required

Algebra 1 A	Algebra is a branch of mathematics that uses symbols in place of numbers to describe and generalize relationships. In Algebra 1A, you will explore relationships between mathematical quantities, how to reason with equations and inequalities, graphing, functions, and mathematical modeling. You will build on your knowledge of variables, exponents, expressions, and algebraic terminology by applying algebra to real-world situations
Algebra 1 B	In Algebra 1A you worked with expressions containing monomials and binomials. In Algebra 1B you'll extend these ideas to factor and perform operations on polynomial expressions containing more than two terms. In Algebra 1B you'll solve quadratic equations. In quadratic equations, the highest power on a variable is 2. You'll study the parabola, a conic section defined by a quadratic equation. You'll build your graphing skills by analyzing and plotting different types of functions: absolute value functions, piecewise functions, exponential functions, and logarithmic functions. Finally, you'll study statistics as you interpret the shapes of data distributions and delve into correlation and causation.
Algebra 2 A	In Algebra 2A, you will perform operations and identify restrictions on rational expressions (expressions that contain rational numbers as coefficients). You will also analyze and graph polynomial functions. Algebra 2A will introduce you to a new concept, complex numbers. Complex numbers rely on an imaginary unit, i , where $i^2 = -1$. You will plot complex numbers in the complex number plane and solve quadratic equations in the complex number system.
Algebra 2 B	In Algebra 2B, you will begin with trigonometry, which is the study of how the sides and angles of a triangle are related. You will examine trigonometric functions and graphs in the context of the unit circle. You will extend your understanding of lines by classifying systems of linear equations. In prior courses, you solved inequalities by graphing.
Geometry A	Geometry is a branch of mathematics that uses logic and formal thinking to establish mathematical relationships between points, lines, surfaces, and solids. In Geometry A, you will explore rigid and non-rigid transformations of figures in the coordinate plane and use them to establish congruence and similarity of triangles and other shapes. You will also prove theorems about lines, angles, triangles, and parallelograms, and build geometric constructions using both basic tools and modern technology. In conclusion, you will apply your knowledge of triangles as you investigate the mathematics of trigonometry.
Geometry B	In Geometry B, you will review the volume formulas for some common solid figures as you extend your knowledge of two dimensional shapes to three-dimensional shapes. You will also transition from primarily Euclidean geometry to analytical geometry—a segment of geometry focused on numerical measurements and coordinate algebra. You will use analytical geometry and observations to investigate the properties of circles and constructions related to circles. Geometry B closes with a study of independent and conditional probability and how you can use probability models to represent situations arising in everyday life.

Math Electives: Select 2 of the following.

Consumer Mathematics	In this course, you will learn practical applications of math. You will learn how to plan a budget, manage bank accounts, and figure the cost of a good or service. You will also learn about taxes, payroll deductions, and how to invest and borrow money. This course will help you make informed decisions about buying or renting a home or car and teach you how to protect your purchases and investments with insurance. Finally, you will study economics, or the science of the creation, distribution, and consumption of goods and services. You'll see how economics affects you as an individual and how it affects the country as a whole.
Personal Financial Mathematics A	Financial Mathematics, Semester A, is a single-semester course designed to introduce you to the basics of financial algebra. This course includes lessons that focus on planning for expenses and developing financial goals. You'll learn to use algebraic expressions that model growth that's due to interest. You'll also describe investments in terms of their cost, risks, and returns.
Personal Financial Mathematics B	Financial Mathematics, Semester B, is a single-semester course designed to provide insight into some advanced concepts of financial algebra. In this course, you'll see how businesses achieve profits through proper financial planning. You'll examine the benefits and consequences of using credit cards and taking out loans. You'll also describe the procedures for filing taxes and identify taxes levied on various investments.

Science: Required

Biology A	Biology is a science dedicated to studying all forms of life on Earth. You are probably familiar with life on a large scale, but do you know what makes up life? This course will teach you about the smallest building block of life—the cell. You will learn what makes a cell, how cells are built and their functions, as well as how mutations in cells can cause them to change genetically.
Biology B	Biology is a science dedicated to studying all forms of life on Earth. You are probably familiar with a number of plants and animals, but do you know what makes them different from each other? This course will show you how scientists categorize various types of life, as well as the structure of plants and animals. You will also learn about how ecosystems support different life forms, and how the systems change to cater to the life forms that live within them.
Chemistry A	In Chemistry A, you will learn some of the “basics” of chemistry: the atomic and molecular structures that result in different chemical properties and the concepts and tools that will enable you to predict chemical properties and chemical reactions.

Chemistry B	In Chemistry B, you will learn about key types of chemical relationships and reactions, including solutions, reversible reactions, acid-base reactions, thermochemical systems, and electrochemical systems. You will use your knowledge to analyze new situations and make qualitative and quantitative predictions. Finally, you will extend your chemical knowledge into the areas of nuclear chemistry, organic chemistry, and biochemistry.

Science Electives: Select 2 of the following.

Earth Space Science A	Earth and Space Science A begins with space. You will observe the phases of the Moon and use scientific evidence to understand how Earth, the Sun, and the Moon interact. You'll also examine other celestial objects in our solar system. This course describes the history of Earth through the study of energy flow, weathering and erosion, the rock cycle, and tectonic plate movements. You will apply an understanding of the three states of matter to explain the water cycle and other systems on Earth.
Earth Space Science B	Earth and Space Science B explains how convection shapes the weather, climate, and movement of ocean currents on Earth. The course takes an in-depth look at climate change and the greenhouse effect in Earth's atmosphere. It draws attention to severe weather events and describes how technology plays a role in keeping communities safe. It also explores how the growing human population poses challenges for the distribution of Earth's natural resources today and in the future.
Environmental Science A	In Environmental Science, Semester A, you will learn about the importance of environmental science as an interdisciplinary field. You will describe abiotic and biotic factors of an ecosystem. You will describe the importance of biodiversity for the survival of organisms and the importance of the food chain and the food web in the ecosystem. You will learn about ecological interactions and succession. You will discuss the effects of climate change and explore different types of adaptation. Further, you will describe the steps of the water cycle, and discuss how carbon, oxygen, nitrogen, and phosphorus cycle in the global environment.
Environmental Science B	In Environmental Science, Semester B, you will learn about the factors that affect populations. You will explore human population growth and its implications. You will describe the factors that lead to unequal distribution of natural resources on Earth. You will discuss waste management. You will describe different forms of pollution, and explore ways to control pollution. You will explore various nonrenewable and renewable energy sources. Further, you will learn about benefits of environmental policies and identify factors that affect sustainable development.
Physical Science A	Physical science is the study of matter and energy. In Physical Science A, you'll describe the atomic and molecular structure of substances using models. You will investigate how chemical reactions involve energy and lead to changes in properties of substances. You'll also model different kinds of forces and the effect they have on the motion of objects. You'll solve problems involving work and power and apply these principles to simple machines. Finally, you will see how simple machines make up more complex machines that are important in our lives.

Physical Science B	In Physical Science B, you'll investigate gravitational, electric, and magnetic force fields and identify factors that determine their strength. You'll apply concepts of electricity and magnetism to explain how motors, generators, and electromagnets work. You will discuss energy transformations in objects and systems, including how heat flows between objects that are at different temperatures. You will model how sound and light travel as waves and how they interact with different forms of matter. Finally, you'll explore how electromagnetic waves help us communicate with one another and collect information about the universe.

Social Studies: Required

Economics	Economics is a social science that examines how goods and services are created, consumed, and exchanged. This course covers basic economic problems such as scarcity, choice, and effective use of resources. It also covers topics on a larger scale such as market structures and international trade. It particularly focuses on the US economy and analyzes the role of the government and the Federal Reserve System.
US Government	In US Government, you will learn about the principles and events that led to the founding of the United States in the eighteenth century; examine how the operations of the US government are spread among three branches of government and distributed between the national, state, and Federal levels of government; explore the role of the individual citizen in the operations of the government; and, finally, apply these concepts to understanding the concrete areas of foreign, domestic, and economic policy. You'll explore timelines to gain an understanding of how events link to each other and to the structures of government that exist today, and you'll analyze historical documents for a firsthand sense of how government structures were designed. You'll also gather evidence from relevant documents and historical texts to develop credible explanations of how and why the government exists as it does. You'll then use that evidence to express viewpoints on the operations of government by writing essays and creating presentations about topics of relevance to modern US citizens.
U.S. History A	In US History A, you will learn about the process of historical inquiry, review the events and principles behind the founding of the United States, and then apply historical inquiry to analyze societal issues, trends, and events from the Civil War through the Great Depression. You'll explore timelines to gain an understanding of how events link to each other, and you'll analyze historical documents for a firsthand sense of how events unfolded. You'll also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. You'll then use that evidence to evaluate change and continuity over time by writing essays and creating presentations about broad periods of historical development.
U.S. History B	In US History B, you will apply historical inquiry to analyze societal issues, trends, and events of US history from World War II to the present, including the Cold War, Civil Rights and other social movements, the Vietnam War, modern presidencies, and responses to global terrorism. You'll explore timelines to gain an understanding of how events link to each other, and you'll analyze historical documents for a firsthand sense of how events unfolded. You'll also gather evidence from relevant documents and historical texts in order to develop credible explanations of events in US history. You'll then use that evidence to evaluate change and continuity overtime.

Michigan -World History, and Geography A	World History, Semester A, provides learners with a cohesive and connected learning experience. Research strongly supports the use of connections to increase learner achievement. The majority of lessons focus on a particular period in world history, analyzing the events, people, and social trends involved in how we view that period. Some lessons instruct students on the process of historical inquiry and apply that process to high-level themes across the entire arc of world history. Course also looks at Geography in relation to Historical Events.
Michigan -World History, and Geography B	World History, Semester B, provides learners with a cohesive and connected learning experience. Research strongly supports the use of connections to increase learner achievement. The majority of lessons focus on a particular period in world history, analyzing the events, people, and social trends involved in how we view that period. Some lessons instruct students on the process of historical inquiry and apply that process to high-level themes across the entire arc of world history. Course also looks at Geography in relation to Historical Events.

Health/PE Courses: Required

Health	Everyone needs to take care of their body, but we aren't necessarily born with the knowledge of how to go about it. It's important to invest time and energy into understanding what it means to be healthy. There are many activities you can engage in which are dangerous for your long-term health, so you need to know how to identify and avoid these activities. This course will guide you through lifestyle choices you will make which will ultimately impact your life in meaningful ways.
Physical Education	By definition, physical education is instruction in exercise and physical activity. It teaches you how to maintain your personal fitness, how to measure different aspects of physical fitness, and how to avoid injury while exercising. It's all about getting active and setting your body in motion. By measuring health and fitness with objective data, it's possible to improve your health in a methodical way. Exercise helps you feel good about yourself and helps you sidestep the health problems that often accompany poor levels of fitness.

Language: Required

Spanish 1 A	In Spanish 1A, you'll be introduced to several common situations in which people communicate, such as exchanging names and greetings, describing people by physical and personality traits, and describing family members and aspects of your social life. You'll start with basic sentence structures and grammatical tools, and you'll learn to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar. You'll also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting.
Spanish 1 B	In Spanish 1B, you'll be introduced to several common situations in which people describe how to earn, save, and manage money, modes of urban transportation, various seasons and the associated weather conditions, food, clothes, and activities. You'll also describe various art forms, plays, concerts, and movies. You'll discuss health and well-being and travel and tourism. You'll build on

	what you learned in the Spanish 1B course to communicate by listening, speaking, reading, and writing in Spanish as you internalize new vocabulary and grammar.
Spanish 2 A	In Spanish 2A, you'll be reintroduced to Spanish in common situations, beginning with describing classes, school friends, teachers, and school supplies. You'll discuss different styles of dressing, housing and neighborhoods, and learn about relationships between family members and friends, students and teachers, and employees and employers. You'll also describe daily personal routines and schedules, household chores and family responsibilities. Finally, you'll discuss different types of cuisine, dining establishments, and dining etiquette. You'll also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting.
Spanish 2 B	In Spanish 2B, you'll be reintroduced to Spanish in common situations, beginning with various professions and career plans for the future. You'll discuss traveling to different regions and the flora and fauna found in each region and describe different types of trips, including road trips, camping, and ecotourism. You'll also describe different hobbies, activities, and crafts that people enjoy. Finally, you'll discuss different medical specialists, including dentists and veterinarians, and describe symptoms related to illness and injury. You'll also learn about some regions of the Spanish speaking world where the central characters of each unit are visiting.

VPAA Courses: Select 2 of the following.

Art History and Appreciation	Art has played a significant role in every major civilization throughout the history of man. The emergence of different art forms often reflects the values that a civilization deems important: religion, labor, love, political change, or even commerce.
Theater, Cinema, and Film Production 1b: Lights, Camera, Action!	Lights, camera, action ... take two! Whether you're a performer, critic, or fan, you'll pull back the curtain to dive deeper into the making of movies and theater performances. Explore multiple facets of the production process from both theater and film. Gain insights from industry leaders along the way and learn to think critically about different aspects to develop your unit-by-unit blog. You'll fully understand how high-quality entertainment and art are crafted for the theater and the silver screen. <i>Note: This course has 8 units and is recommended to be taught over a single semester.</i>
Music Appreciation	This one-semester elective course is intended as a practical, hands-on guide to help you understand, discuss, and appreciate music more knowledgeably. You will explore the history and evolution of music. You will also learn about the concepts and techniques in music and music listening. You will also learn about musical instruments, famous composers and artists, and key musical genres.
Introduction to Fashion Design	This one-semester elective course is intended to introduce you to the basics of fashion design. In this course, you will explore the history of fashion, the components of fashion, the influences and

	contributions of some key fashion innovators, and the various steps involved in the production of a garment.
Digital Professional Photography A	This course will cover various topics in photography, such as history of photography, types of photography, types of camera, camera support equipment, types of camera lenses, exposure, lighting setups, rules of composition, color photography, storing and manipulating images, copyright laws and fair use, and printing photos.
Professional Photography B	This course will cover various topics in photography, such as camera exposure settings, portrait photography, advertising photography, architectural photography, photographic special effects, retouching photographs, restoring old photographs, analog photography, darkroom equipment and development, safety procedures, evaluating photographs, stages of production, and photography portfolio.

Electives: Select 4 of the following.

Personal Health & Fitness	This combined health and PE course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition, they will study behavior change and set goals to work on throughout the course. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.
Philosophy: The Big Picture	Go on an exciting adventure covering over 2,500 years of history! Along the way, you'll run into some very strange characters, like the dirty barefoot man who hung out on street corners pestering everyone with questions, or that eccentric fellow who climbed inside a stove to think about whether he existed. Despite their odd behavior, these and other philosophers of the Western world are among the world's most brilliant and influential thinkers and originated the fundamental ideas of Western civilization. Introduction to Philosophy: The Big Picture asks some of the same questions these great thinkers pondered, so by the time you've "closed the book" on this course, you will better

	<p>understand yourself and the world around you – from atoms to outer space and everything in between.</p>
<p>Psychology 1: The Road to Self-Discovery</p>	<p>Have you ever wondered why you do the things you do? Have you asked yourself if self-knowledge is the key to self-improvement? Are you interested in how behavior changes as we age? Psychology can give you the answers! In Personal Psychology I: The Road to Self-Discovery, you will trace the development of personality and behavior from infancy through adulthood. You will come to learn more about perception and consciousness and better understand the role of sensation. Are you ready to explore the world of human behavior? Come explore all that psychology can offer to help you to truly understand the human experience.</p>
<p>Psychology 2: Living in a Complex World</p>	<p>Why do you sometimes remember song lyrics but can't remember where you left your phone, your keys, or even your shoes? How does language affect the way we think? Why is your personality so different from (or so similar) your brother's or sister's personality? Personal Psychology II: Living in a Complex World will allow you to explore what makes you 'you'. Why do some things motivate you more than others? How can you determine your IQ? If you've ever wanted to dive right into the depths of who you are and how you gotta be you, jump on board and start your exploration now!\</p>
<p>World Geography A/B</p>	<p>In an increasingly interconnected world, equipping students to develop a better understanding of our global neighbors is critical to ensuring that they are college and career ready. These semester-long courses empower students to increase their knowledge of the world in which they live and how its diverse geographies shape the international community. Semester A units begin with an overview of the physical world and the tools necessary to explore it effectively. Subsequent units survey each continent and its physical characteristics and engage students and encourage them to develop a global perspective.</p>
<p>High School Career Discovery</p>	<p>In this course, you will explore your own strengths, interests, and preferences and use that information to uncover the best career for you! You will explore 17 career clusters, learn about the skills needed to work in different industries, and choose a path to pursue. You'll build a plan to get you from high school to your first day on the job, and craft a strong portfolio to land your perfect</p>