



**Virtual  
Learning Academy**

**Virginia  
Multidivision Online  
Provider  
Course Catalog**

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# English Language Arts

## Grade 9 English

### **Course Description:**

This asynchronous Grade 9 English course is designed to enhance students' reading, writing, and critical thinking skills through a structured exploration of both literary and informational texts. The course is divided into 36 units, each focused on specific skills ranging from literary analysis to argumentative writing. Students will engage with a variety of texts, including poetry, nonfiction articles, and media, developing a deeper understanding of language and its effective use in different contexts.

### **Course Objectives:**

- Develop the ability to analyze and interpret literary and informational texts.
- Enhance vocabulary through context and explicit instruction.
- Understand and apply the concepts of theme, symbolism, metaphor, and other literary devices.
- Improve writing skills across several formats including paragraphs, essays, and narratives.
- Cultivate critical thinking and reasoning abilities through structured argumentation and evidence evaluation.

### **Units:**

Unit 1: Compare and Contrast Literary and Informational Nonfiction

Unit 2: Finding the Meaning of Unknown Words: Simone Biles

Unit 3: Author's Purpose: Why Good Advertising Works

Unit 4: Finding the Best Evidence: Two Famous Friends

Unit 5: Analyzing Information: What's Wrong With Our Food System

Unit 6: Identifying Theme and Summarizing: Lucky Feet

Unit 7: Cause and Effect: Getting Started on Saving the Everglades

Unit 8: Core Concepts of Media Literacy

Unit 9: Make Strategic Use of Multimodal Tools

Unit 10: Writing: Paragraph

Unit 11: Writing: Brainstorming

Unit 12: Writing: Topic Sentences

Unit 13: Writing: Supporting and Concluding Sentences

Unit 14: Writing: Definition Paragraph

Unit 15: Writing: Opinion Paragraph

Unit 16: Writing: Narrative Paragraph

Unit 17: Writing: Paragraphs to Essays

Unit 18: Parts to an Argumentative Essay

Unit 19: Argumentative: Note-Taking

Unit 20: Argumentative: Types of Evidence

Unit 21: Argumentative: Introduction

Unit 22: Argumentative: Body Paragraph

Unit 23: Argumentative: Counterargument

Unit 24: Argumentative: Conclusion  
Unit 25: Argumentative: Draft & In-Text Citations  
Unit 26: Argumentative Essay: Final Draft  
Unit 27: Literary Forms  
Unit 28: "Mother to Son" by Langston Hughes  
Unit 29: "Sonnet 130" by William Shakespeare  
Unit 30: "A Dream within a Dream" by Edgar Allan Poe  
Unit 31: "The Rose That Grew from Concrete" by Tupac Shakur  
Unit 32: "O Captain! My Captain!" by Walt Whitman  
Unit 33: "No Man is an Island" by John Donne  
Unit 34: "Women" by Alice Walker  
Unit 35: Poetry Assessment: Identifying Elements of Poetry

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Grade 10 English

### **Course Description:**

This Grade 10 English asynchronous course is structured to deepen students' analytical and creative skills through focused studies in writing, literature, and informational texts. The course offers a comprehensive exploration of various literary genres including fiction, drama, poetry, and nonfiction, alongside intensive writing workshops designed to refine students' skills in argumentative and literary analysis essays. This self-paced format allows students to engage with materials and assignments at their own pace, fostering independent learning and critical thinking.

### **Course Objectives:**

- Enhance proficiency in academic writing and literary analysis.
- Broaden understanding of various literary genres and their unique elements.
- Develop skills in critical reading and interpretation of texts across genres.
- Strengthen the ability to construct well-founded arguments and effectively use evidence.
- Improve mastery of formal language, transitions, and textual analysis.

### **Units:**

- Unit 1: Writing: The Basics - The Writing Process
- Unit 2: Writing: The Basics - Formal Language and Transitions
- Unit 3: Writing: The Basics – Textual Evidence and I.C.E.
- Unit 4: Mastering Teamwork Dynamics in Diverse Settings
- Unit 5: Literary Elements and Techniques
- Unit 6: Reading Literature: Narrative Fiction
- Unit 7: Reading Literature: Myth
- Unit 8: Reading Literature: Fables
- Unit 9: Reading Literature: Poetry
- Unit 10: Reading Literature: Drama
- Unit 11: Reading Literature: Paired Texts
- Unit 12: Writing: What is a Literary Analysis Essay
- Unit 13: Writing: Literary Analysis Essay Note Taking & Thesis Development
- Unit 14: Writing: Literary Analysis Essay The Introduction
- Unit 15: Writing: Literary Analysis Essay The Body
- Unit 16: Writing: Literary Analysis Essay The Conclusion
- Unit 17: Writing: Literary Analysis Essay Drafting
- Unit 18: Writing: Literary Analysis Essay Revise & Edit
- Unit 19: Compare and Contrast Literary and Informational Nonfiction
- Unit 20: Data Visualization in Nonfiction Text
- Unit 21: Reading Informational Texts: Articles
- Unit 22: Reading Informational Texts: Paired Texts
- Unit 23: Reading Informational Texts: Arguments
- Unit 24: Writing: Review

Unit 25: Writing: What is an Argumentative Essay?  
Unit 26: Writing: Argumentative Essay Note Taking & Thesis Development  
Unit 27: Writing: Argumentative Essay Introduction  
Unit 28: Writing: Argumentative Essay Body Paragraph Basics  
Unit 29: Writing: Argumentative Essay The Opposing Claim  
Unit 30: Writing: Argumentative Essay Conclusion  
Unit 31: Writing: Argumentative Essay Drafting  
Unit 32: Writing: Argumentative Essay Revise & Edit  
Unit 33: British Literature  
Unit 34: Decoding Media  
Unit 35: Characters in Context  
Unit 36: Essay Mastery: Blending, Comparing, and Analyzing

**Assessment and Grading:**

Students will be evaluated through regular quizzes, written assignments, and comprehensive projects that reflect their understanding of each unit. Grades will be based on completeness, accuracy, depth of analysis, and adherence to writing conventions.



## Grade 11 English

### **Course Description:**

This Grade 11 English course is designed for asynchronous learning, providing students with a comprehensive study of English language and literature. The course emphasizes the development of linguistic skills such as vocabulary building, understanding word origins, and mastering complex grammar. Additionally, it delves into literary analysis, covering significant genres and texts, and enhancing writing skills through various types of essays and technical writing. The course structure supports self-paced study while ensuring rigorous academic engagement.

### **Course Objectives:**

- Enhance understanding of English vocabulary, including word origins and changes in word usage.
- Develop skills in literary analysis focusing on elements like theme, plot, and character.
- Strengthen writing abilities across different formats, including essays, technical writing, and persuasive texts.
- Cultivate critical thinking and analytical skills through the examination of primary sources and complex texts.

### **Units:**

Unit 1: Word Meanings

Unit 2: Word Origin

Unit 3: Word Changes - Parts of Speech

Unit 4: Hyphenation and Spelling

Unit 5: Sentence Boundaries

Unit 6: Figures of Speech - Hyperbole and Paradox

Unit 7: Central Ideas

Unit 8: Themes

Unit 9: Textual Evidence

Unit 10: Plot

Unit 11: Ideas and Events

Unit 12: Text Features and Directions

Unit 13: Types of Writing

Unit 14: Thesis and Claim

Unit 15: Ethical Information Use

Unit 16: Your Writing

Unit 17: Influence of the Mass Media

Unit 18: Semester Exam

Unit 19: Fiction: "The Tell-Tale Heart"

Unit 20: Nonfiction: "The Narrative of the Life of Frederick Douglass"

Unit 21: Persuasive Text: Girls of the Crescent

Unit 22: Exploring Advance Grammar and Style

Unit 23: Fact and Opinion: Parents, Teens, and Texting  
Unit 24: Exploring a Primary Source  
Unit 25: Primary Source - Preamble to the Constitution  
Unit 26: Primary Source - The New Colossus  
Unit 27: Primary Source - Roosevelt's Declaration of War Address  
Unit 28: Primary Source: Address to the Nation on Terrorist Attacks  
Unit 29: Courage  
Unit 30: Being Different  
Unit 31: Failure and Success  
Unit 32: Rhetorical Techniques  
Unit 33: Rhetoric and Writing  
Unit 34: Job Application and Technical Writing  
Unit 35: Essay Mastery: Blending, Comparing, and Analyzing  
Unit 36: Final Exam

**Assessment and Grading:**

Students will be evaluated based on a combination of assignments, projects, quizzes, and two comprehensive exams (mid-term and final). Each unit will include specific assignments designed to test the students' understanding and application of the topics discussed.

## Grade 12 English

### **Course Description:**

This asynchronous English course for Grade 12 focuses on a deep exploration of British literature and advanced research and writing skills. Students will study classic and contemporary literary texts, including poetry, drama, and prose, to develop their analytical and interpretative abilities. Additionally, the course integrates a comprehensive research component, where students will learn to effectively gather, analyze, present, and discuss information in various formats, preparing them for college-level writing and beyond.

### **Course Objectives:**

- Gain a thorough understanding of British literature, exploring major authors and their works.
- Develop critical thinking and analytical skills through literary analysis.
- Enhance research skills, focusing on the ethical use of information and technology.
- Improve writing skills across different formats, particularly in academic and professional contexts.

### **Units:**

- Unit 1: Reading Literature: Poetry
- Unit 2: Reading Literature: Drama
- Unit 3: Reading Literature: Short Fiction
- Unit 4: British Literature
- Unit 5: Drama: "Macbeth" by William Shakespeare
- Unit 6: British Poetry: Studying Classical Poetry
- Unit 7: British Short Fiction: Studying Prose
- Unit 8: Analyzing the Argument in Texts
- Unit 9: Research: The Writing Process
- Unit 10: Argument and Persuasion
- Unit 11: Writing Process: Drafting and Revising
- Unit 12: Writing Process: Peer Review
- Unit 13: Writing Process: Editing
- Unit 14: Writing: Argumentative Research Paper
- Unit 15: Writing: Reflection and Evaluation
- Unit 16: Speaking and Presenting Information
- Unit 17: Preparing for the College Application Process
- Unit 18: Preparing for the SATs
- Unit 19: Future Careers and College Success
- Unit 20: Preparing for Senior Presentations
- Unit 21: Preparing for the Final Exam
- Unit 22: British Prose: Studies of Science Fiction
- Unit 23: Advanced Grammar and Style
- Unit 24: Research Methods in Depth

Unit 25: In-Depth Literary Analysis  
Unit 26: Social Media and Literature  
Unit 27: Cultural Identity in Literature  
Unit 28: The Influence of Technology on Literature  
Unit 29: Writing Literary Reviews  
Unit 30: Writing a Personal Reflection Essay  
Unit 31: College Preparation and Skills  
Unit 32: Writing a Persuasive Argument  
Unit 33: Using Technology for Research  
Unit 34: Understanding Thematic Elements  
Unit 35: Literary Theory and Criticism  
Unit 36: Final Exam

**Assessment and Grading:**

Students will complete regular quizzes, essays, projects, and a final exam that assesses their comprehensive understanding of the course material. Grading will be based on participation, the quality of work submitted, and the clarity of communication and analysis.

# Greek Mythology

## **Course Description:**

This asynchronous Greek Mythology course is designed to deepen students' understanding of ancient Greek mythology, gods, heroes, and the cultural context in which these myths were told. The course is divided into 18 units, each focusing on specific deities, heroes, and major myths. Students will explore the stories of the gods of Mount Olympus, the heroes who embarked on epic quests, and the creation stories that shaped Greek culture and philosophy. By examining these myths, students will gain insight into how they influenced literature, art, and Western culture.

## **Course Objectives:**

- Develop an understanding of Greek mythology, including the gods, goddesses, and mythical creatures.
- Explore the major heroes and their epic quests, including the adventures of Hercules, Theseus, and Odysseus.
- Understand how Greek mythology influenced ancient Greek culture, geography, and the arts.
- Analyze the themes, symbolism, and lessons embedded in Greek myths.

## **Syllabus:**

Unit 1: Introduction to Greek Mythology

Unit 2: The Titans and Creation

Unit 3: Poseidon and Hades

Unit 4: Athena, Apollo, Artemis, and Aphrodite

Unit 5: Greek Geography and Culture

Unit 6: Hermes, Ares, Hephaestus, and Hestia

Unit 7: Eros, Iris, the Muses, and the Graces: The Underworld and the Lesser Gods of Earth

Unit 8: Demeter and Dionysus

Unit 9: The Life and Times of Hercules

Unit 10: Prometheus, Epimetheus, Pandora, and Io

Unit 11: The Quest for the Golden Fleece: Jason and the Argonauts

Unit 12: Theseus

Unit 13: Perseus

Unit 14: Trojan War

Unit 15: The Fall of Troy

Unit 16: The Adventures of Odysseus

Unit 17: The House of Atreus

Unit 18: Daedalus, Icarus, Atalanta, and the Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Poetry

## **Course Description:**

This asynchronous course explores the world of poetry through 18 carefully structured units. Students will learn various poetic forms and techniques, including lyric poetry, meter, free verse, and key literary devices such as assonance, alliteration, and personification. Students will also engage with the works of notable poets like Shakespeare, Homer, Virgil, and T.S. Eliot, gaining an appreciation for both classical and modern poetry. This course will allow students to deepen their understanding of poetry and its impact on language and culture, as well as improve their analytical and interpretive skills.

## **Course Objectives:**

- Understand and analyze various forms of poetry, including lyric poetry, epic poetry, and free verse.
- Recognize and interpret key poetic techniques and devices such as meter, rhyme, assonance, alliteration, and metaphor.
- Examine the works of classical poets such as Homer, Virgil, and Dante, as well as modern poets like T.S. Eliot and E.E. Cummings.
- Analyze the mood and tone of different poems and understand how poets create emotional impact.

## **Syllabus:**

Unit 1: Introduction to Poetry

Unit 2: Lyric Poetry and Meter

Unit 3: Free Verse

Unit 4: Assonance

Unit 5: Alliteration and Simile

Unit 6: Romantic Poetry

Unit 7: Poetic Mood

Unit 10: Personification

Unit 11: Parody

Unit 12: Shakespeare's Sonnets

Unit 13: Epic Poetry: Homer

Unit 14: Epic Poetry: Virgil

Unit 15: Epic Poetry: Dante

Unit 16: T.S. Eliot

Unit 17: E.E. Cummings

Unit 18: Samuel Taylor Coleridge

Unit 19: Browning and Blake

Unit 20: John Donne and Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.



# Roman Mythology

## **Course Description:**

This asynchronous course explores the rich world of Roman mythology, focusing on the key gods, goddesses, and legendary heroes that shaped Roman culture. The course spans 18 units, delving into tales of transformation, the journey of Aeneas, and the early history of Rome. Students will analyze mythological stories, their influence on Roman society, and the culture that emerged from them. This course provides a comprehensive understanding of Roman religious beliefs, mythology, and their integration into the historical development of Rome.

## **Course Objectives:**

- Develop a deep understanding of Roman mythology, its gods, goddesses, and heroes.
- Analyze the major myths that form the foundation of Roman culture, including the story of Aeneas and the founding of Rome.
- Explore the cultural and geographical context of ancient Rome and its mythological beliefs.
- Examine the intersection of Roman mythology with historical events, such as the Trojan War and the rise of the Roman Republic.

## **Syllabus:**

Unit 1: Introduction to Roman Mythology  
Unit 2: Roman Geography and Culture  
Unit 3: Jupiter and Juno  
Unit 4: Pluto, Proserpine, Neptune, and Mercury  
Unit 5: Tales of Transformation  
Unit 6: Aeneas and the Trojan War  
Unit 7: Aeneas' Journey  
Unit 8: Aeneas and Dido  
Unit 9: Aeneas in Sicily and Finding the Golden Bough  
Unit 10: Aeneas in the Underworld and War in Italy  
Unit 11: The Site of Rome and the Initial Siege  
Unit 12: The Great Battle  
Unit 13: The End of the War and Romulus and Remus  
Unit 14: The Sabine Women and Numa, the Wise King  
Unit 15: The House of Tarquin  
Unit 16: The Early Republic and The Rise of Rome  
Unit 17: Heroes and Emperors  
Unit 18: Apollo and Daphne; Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Short Stories I

### **Course Description:**

This asynchronous Grade 9 English course focuses on enhancing students' reading, writing, and critical thinking skills through the exploration of classic short stories. The course is designed to deepen students' understanding of literary elements such as character development, plot, setting, symbolism, and themes. Through analysis of a diverse range of short stories, students will engage with texts that span different genres and time periods. Emphasis will be placed on understanding narrative techniques and their impact on storytelling.

### **Course Objectives:**

- Develop the ability to analyze and interpret short stories across various genres.
- Enhance vocabulary through context and explicit instruction.
- Understand and apply literary devices such as symbolism, metaphor, and irony.
- Improve writing skills through structured responses and essays.

### **Syllabus:**

Unit 1: The Tell-Tale Heart

Unit 2: The Gift of the Magi

Unit 3: Youth

Unit 4: To Build a Fire

Unit 5: The Aunt and the Sluggard

Unit 6: The Legend of Sleepy Hollow

Unit 7: An Occurrence at Owl Creek Bridge

Unit 8: The Country of the Blind

Unit 9: The Catbird Seat

Unit 10: The Red-Headed League

Unit 11: The Inconsiderate Waiter

Unit 12: The Celebrated Jumping Frog of Calaveras County

Unit 13: A Christmas Dream and How it Came True

Unit 14: A Rose for Emily

Unit 15: Sophistication

Unit 16: The Jilting of Granny Weatherall

Unit 17: The Outcasts of Poker Flat

Unit 18: Final Exam

### **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Short Stories II

### **Course Description:**

This asynchronous English course focuses on enhancing students' analytical, writing, and critical thinking skills through the exploration of short stories. The course is designed to deepen students' understanding of literary devices, character development, text structure, and theme through the analysis of various short stories. Each unit focuses on a key literary skill such as analyzing character change, determining themes, identifying evidence, or interpreting point of view, all while studying a different text. By engaging with these stories, students will strengthen their reading comprehension and analytical abilities.

### **Course Objectives:**

- Develop the ability to analyze and interpret short stories.
- Understand and apply literary devices such as character development, point of view, and theme.
- Enhance vocabulary skills by finding the meaning of unknown words in context.
- Analyze the structure of short stories and understand how text structure impacts meaning.

### **Syllabus:**

Unit 1: Analyzing Character Change: "Athena and the Dandelions"

Unit 2: Analyzing Character Change with "Cracks of Gold"

Unit 3: Analyzing Characters with "Recognition"

Unit 4: Analyzing Character Point of View with "All Summer in a Day"

Unit 5: Analyzing Character Point of View with "A Man Who Had No Eyes"

Unit 6: Analyzing Character Point of View with "Saturday School"

Unit 7: Finding the Meaning of Unknown Words with "Into the Rapids"

Unit 8: Finding the Meaning of Unknown Words with "Charles"

Unit 9: Finding the Meaning of Unknown Words with "Black Blizzard"

Unit 10: Analyzing Text Structure with "The Scholarship Jacket"

Unit 11: Analyzing Text Structure with "No-Guitar Blues"

Unit 12: Analyzing Text Structure with "The Party"

Unit 13: Identifying Theme and Summarizing with "Lucky Feet"

Unit 14: Identifying Theme and Summarizing with "Matthias and the Dragons"

Unit 15: Determining Theme and Summarizing with "The Wild Dog of Caucomgomoc"

Unit 16: Finding the Best Evidence with "Stray"

Unit 17: Finding the Best Evidence with "Thank You, M'am"

Unit 18: Finding the Best Evidence with "Tornado Coming!"

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Science

## Earth Science

### **Course Description:**

This comprehensive Earth Science course is designed for Grade 9 students and offers a rigorous exploration of Earth's systems, geological processes, and the broader universe. Delivered asynchronously, the course enables students to study at their own pace while engaging deeply with topics ranging from the basics of Earth Science to more complex concepts like plate tectonics, natural resources, and the dynamics of the universe. The curriculum includes interactive modules, virtual lab activities, and a variety of multimedia content to enhance understanding and engagement.

### **Course Objectives:**

- Develop an understanding of key Earth Science concepts and the scientific methods applied in earth sciences.
- Explore geological processes and the characteristics of minerals and rocks.
- Understand the dynamics of Earth's water systems and atmospheric phenomena.
- Analyze the impact of human activities on natural resources and the environment.
- Gain knowledge about the universe, including star formation and planetary systems.

### **Syllabus:**

Unit 1: Introduction to Earth Science  
Unit 2: Engineering Design Process in Earth Science  
Unit 3: Scientific Investigations  
Unit 4: Mapping the Earth  
Unit 5: Introduction to Minerals  
Unit 6: Properties of Minerals  
Unit 7: The Rock Cycle  
Unit 8: Igneous Rocks  
Unit 9: Sedimentary Rocks  
Unit 10: Metamorphic Rocks  
Unit 11: The Balance and Impact of Natural Resources  
Unit 12: Natural Resources of Virginia  
Unit 13: Understanding Plate Tectonics  
Unit 14: The Theory of Plate Tectonics  
Unit 15: Mountains, Earthquakes, and Volcanoes  
Unit 16: Soil  
Unit 17: Weathering, Erosion, and Deposition  
Unit 18: Earth Science Test 1  
Unit 19: Understanding Earth's Water System  
Unit 20: Protecting Earth's Natural Resources  
Unit 21: Fossil Formation

Unit 22: The Geologic Time Scale  
Unit 23: Virginia Geology and Chesapeake Bay  
Unit 24: Ocean Dynamics  
Unit 25: Tides of the Earth  
Unit 26: Air Masses and Weather  
Unit 27: Climate  
Unit 28: Natural Hazards  
Unit 29: The Universe  
Unit 30: The Big Bang Theory  
Unit 31: Motion in Space  
Unit 32: Inner and Outer Planets  
Unit 33: The Interactions and Orientations: Sun, Earth, and Moon  
Unit 34: The Earth and the Sun  
Unit 35: Star Formation and Stellar Evolution  
Unit 36: Earth Science - Test 2

**Assessment and Grading:**

Students will be assessed through a combination of quizzes, written assignments, project-based tasks, and two comprehensive tests. Assignments are designed to apply theoretical knowledge practically, fostering a deeper understanding of Earth Science concepts.



# Biology

## **Course Description:**

This Biology course is designed for asynchronous learning, providing students with an in-depth exploration of biological concepts from the molecular to the ecosystem level. Through a structured series of units, students will engage with topics such as cellular biology, genetics, evolution, and ecology. The course combines theoretical foundations with practical inquiry-based learning, encouraging students to conduct experiments, utilize digital simulations, and participate in peer discussions virtually.

## **Course Objectives:**

- Develop an understanding of fundamental biological concepts and scientific methodologies.
- Explore the structure and function of cells, biomolecules, and the genetic basis of life.
- Analyze the principles of heredity and the role of genetics in biological diversity.
- Understand the interrelationships within ecosystems and the principles of ecology.
- Apply biological knowledge to societal and technological issues.

## **Syllabus:**

Unit 1: Understanding Scientific and Engineering Practices in Biology

Unit 2: Planning and Conducting Scientific Investigations

Unit 3: Water and Scientific Inquiry

Unit 4: Science, Society, and Technology

Unit 5: Biomolecules

Unit 6: Cells

Unit 7: Cellular Growth, Division, and Specialization

Unit 8: Virus, Bacteria, and Germ Theory

Unit 9: Photosynthesis and Chemosynthesis

Unit 10: Cellular Respiration

Unit 11: Mitosis

Unit 12: Meiosis

Unit 13: Chromosomal Disorders

Unit 14: DNA

Unit 15: DNA Replication

Unit 16: RNA and Gene Expression

Unit 17: Gene Mutation

Unit 18: First Semester Review

Unit 19: Gene Technologies

Unit 20-25: Heredity Units

Unit 26: Pedigrees  
Unit 27: Ecosystems  
Unit 28: Energy in Ecosystems  
Unit 29: Cycling of Matter  
Unit 30: Populations and Communities  
Unit 31: Environment  
Unit 32: Ecology Application Research  
Unit 33: Evolution  
Unit 34: Population Genetics  
Unit 35: Taxonomy  
Unit 36: Second Semester Review

**Assessment and Grading:**

Assessment methods include quizzes, written assignments, lab reports, and two comprehensive exams. Students are expected to demonstrate their understanding through various formats, including interactive assessments and virtual presentations of their research findings.

# Chemistry

## **Course Description:**

This Grade 11 Chemistry course is designed for asynchronous learning, enabling students to explore the fundamental concepts and applications of chemistry at their own pace. The course covers a broad spectrum of topics, from the basics of chemical matter to complex chemical reactions and theories. Students will engage with interactive digital resources, virtual lab experiments, and multimedia presentations to deepen their understanding of chemistry in daily life and advanced scientific contexts.

## **Course Objectives:**

- Understand the basic principles and processes of chemistry, including the structure of atoms, chemical bonding, and reactions.
- Develop skills in scientific inquiry and problem-solving using chemical calculations and laboratory techniques.
- Explore the historical development of key chemical theories to appreciate the evolution of the discipline.
- Apply chemical knowledge to environmental and technological issues facing society.

## **Syllabus:**

Unit 1: What is Chemistry  
Unit 2: How Do We Study Chemistry?  
Unit 3: Describing Matter  
Unit 4: Types of Matter  
Unit 5: Phases of Matter  
Unit 6: Changes in Matter  
Unit 7: Historical Models of the Atom  
Unit 8: Planetary Model of the Atom  
Unit 9: Quarterly Exam 1  
Unit 10: Electronic Configurations  
Unit 11: Periodic Table  
Unit 12: Mole Concept  
Unit 13: Ionic Bonding  
Unit 14: Covalent Bonding  
Unit 15: Ionic Nomenclature  
Unit 16: Covalent Nomenclature  
Unit 17: Nuclear Chemistry  
Unit 18: Quarterly Exam 2  
Unit 19: Intermolecular Forces  
Unit 20: Classifying Chemical Reactions  
Unit 21: Balancing Chemical Equations

Unit 22: Mathematical Interpretations of Chemical Reactions

Unit 23: Mathematical Analysis of Chemical Reactions

Unit 24: Energy and Chemical Reactions

Unit 25: Solutions

Unit 26: Solution Chemistry

Unit 27: Quarterly Exam 3

Unit 28: Defining Acids and Bases

Unit 29: pH Scale

Unit 30: Acid-Base Chemistry

Unit 31: Kinetic Molecular Theory

Unit 32: Empirical Gas Laws

Unit 33: Ideal Gas Law

Unit 34: Kinetics

Unit 35: Molecular Geometry (Special Topic)

Unit 36: Quarterly Exam 4

**Assessment and Grading:**

Students will be evaluated through quizzes, written assignments, lab reports, and quarterly exams. These assessments will focus on the application of chemical concepts, problem-solving skills, and practical understanding of chemical phenomena.

# Physics

## **Course Description:**

This asynchronous Physics course, designed for high school seniors, delves into the fundamental concepts of physics from classical mechanics to modern physics, including Newtonian mechanics, thermodynamics, and quantum physics. Students will explore these concepts through instructional materials, interactive simulations, and practical labs designed to reinforce theoretical knowledge with hands-on experience. The course is structured to foster self-paced learning while encouraging in-depth understanding through various assessments.

## **Course Objectives:**

- Gain a foundational understanding of key physics concepts and principles.
- Develop skills in scientific inquiry and experimental design.
- Apply physics concepts to solve real-world problems and understand natural phenomena.
- Enhance critical thinking and problem-solving skills through quantitative and qualitative analysis.

## **Syllabus:**

Unit 1: Introduction to Physics

Unit 2: Planning and Carrying Out an Investigation

Unit 3: Motion In One Dimension

Unit 4: Describing Motion Lab Introduction

Unit 5: Projectile Motion

Unit 6: Learning and Simulating Projectile Motion

Unit 7: Forces and Newton's Laws of Motion

Unit 8: Exploring Newton's Second Law Using a Simulation

Unit 9: Forces and Friction Lab

Unit 10: Circular Motion

Unit 11: Gravitational Motion

Unit 12: Gravity and Orbits Lab

Unit 13: Energy

Unit 14: Energy Skate Park Lab

Unit 15: Linear Momentum

Unit 16: Momentum Lab

Unit 17: Momentum in Collisions

Unit 18: Nanotechnology: Unveiling the Microscopic Marvels

Unit 19: Navigating the Landscape of Scientific Information

Unit 20: Rotational Motion and Dynamics

Unit 21: Waves and Sound  
Unit 22: Light and Optics  
Unit 23: Thermodynamics  
Unit 24: Heat Transfer  
Unit 25: Introduction to Electricity  
Unit 26: Ohm's Law and Circuits  
Unit 27: Introduction to Magnetism  
Unit 28: Electromagnetic Waves  
Unit 29: Quantum Physics  
Unit 30: Review and Final Exam

**Assessment and Grading:**

Students will be assessed through a combination of assignments, quizzes, labs, and a final exam, encouraging both theoretical and applied understanding of physics.

## Conservation Science

### **Course Description:**

This asynchronous course offers students an in-depth exploration of conservation efforts, wildlife management, hunting, fishing, trapping, and the importance of various recreational activities in maintaining natural ecosystems. The course, spanning 36 units, covers key topics including the history of conservation, wildlife conservation models, public lands, and water management, as well as the relationship between hunting, fishing, and conservation. The course also covers practical skills related to hunting, fishing, and trapping.

### **Course Objectives:**

- Understand the history of conservation and key conservation practices.
- Learn about the North American wildlife conservation model and the importance of public and private lands.
- Examine hunting, fishing, and trapping as tools for wildlife conservation.
- Explore the importance of safety regulations and sustainable practices in these activities.
- Develop the skills required for hunting, fishing, and trapping, including processing and preservation.
- Investigate current topics and emerging trends in conservation efforts.

### **Syllabus:**

Unit 1: The History of Conservation  
Unit 2: The North American Model of Wildlife Conservation  
Unit 3: Public Lands  
Unit 4: Public Waters  
Unit 5: Private Land Conservation  
Unit 6: Wildlife Stories  
Unit 7: Current Topics in Conservation  
Unit 8: Hunting and Conservation  
Unit 9: State Hunting Regulations  
Unit 10: Related Hunting Skills  
Unit 11: Game Animals  
Unit 12: Learn to Hunt  
Unit 13: Game Processing and Preservation  
Unit 14: Current Topics in Hunting  
Unit 15: Fishing and Conservation  
Unit 16: State Fishing Regulations  
Unit 17: Related Fishing Skills  
Unit 18: Assessment  
Unit 19: Aquatic Species Identification  
Unit 20: Learn to Fish  
Unit 21: Processing Aquatic Species  
Unit 22: Current Topics in Fishing

Unit 23: Trapping and Conservation  
Unit 24: Furbearer Identification  
Unit 25: Learn to Trap  
Unit 26: Preparation and Use  
Unit 27: Current Topics in Trapping  
Unit 28: Shooting Sports and Conservation  
Unit 29: Archery  
Unit 30: Firearms  
Unit 31: Current Topics in Shooting Sports  
Unit 32: Boating and Conservation  
Unit 33: Motorized Boats  
Unit 34: Paddlecraft  
Unit 35: Current Topics in Boating  
Unit 36: Assessment

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.



# Environmental Science

## **Course Description:**

This asynchronous Grade 9 Environmental Science course is designed to enhance students' understanding of the natural world and the ways in which humans interact with and impact the environment. The course is divided into 36 units, covering topics such as ecosystems, biodiversity, environmental protection, energy use, and climate change. Through this course, students will engage with scientific concepts and real-world applications of environmental science, learning about both the challenges and solutions to maintaining a balanced ecosystem.

## **Course Objectives:**

- Understand the basic principles of environmental science, including ecosystems, energy flow, and natural resources.
- Examine human impact on the environment, including the effects of population growth, resource use, and pollution.
- Learn about conservation efforts and sustainable living practices.
- Explore climate change and its implications for the future.
- Develop the ability to evaluate and analyze environmental issues from scientific, social, and ethical perspectives.

## **Syllabus:**

Unit 1: What is Environmental Science?

Unit 2: How People Protect the Environment

Unit 3: Environmental Science in the U.S. and Across the World

Unit 4: Assessment – Then and Now

Unit 5: Matter on Earth

Unit 6: The Lithosphere

Unit 7: Plate Tectonics

Unit 8: The Atmosphere

Unit 9: The Hydrosphere

Unit 10: Virginia Watersheds

Unit 11: The Biosphere

Unit 12: Assessment – The Earth in Balance

Unit 13: Biotic and Abiotic Factors in Terrestrial and Aquatic Biomes

Unit 14: Natural Processes in Communities

Unit 15: Energy in the Living World

Unit 16: Population Dynamics in the Natural World

Unit 17: Protecting Biodiversity and the Conservation of Species

Unit 18: Assessment – Ecosystems, Biomes, and Species

Unit 19: Human Populations

Unit 20: Environmental Health

Unit 21: Urbanization and Sustainable Living

Unit 22: Assessment – Population Pressures

Unit 23: The Air We Breathe  
Unit 24: Land, Food, and Farming  
Unit 25: Soil  
Unit 26: Water Use and Management  
Unit 27: Waste  
Unit 28: The Role of Minerals  
Unit 29: Mining and Minerals  
Unit 30: Assessment – Our Valuable Resources  
Unit 31: Energy Use Across the World  
Unit 32: Nonrenewable Energy Resources  
Unit 33: Renewable Energy Resources  
Unit 34: Exploring Climate Change  
Unit 35: The Future of Climate Change  
Unit 36: Assessment – Energy Use and Impact

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Marine Biology

### **Course Description:**

This asynchronous course explores marine ecosystems, marine life biodiversity, and the human impacts on the ocean. Students will study the intricacies of marine ecology, oceanography, and the conservation efforts required to preserve marine life. The course emphasizes the interconnectedness of ecosystems, the importance of biodiversity, and the role of human activity in the health of the oceans. By the end of the course, students will have a deeper understanding of marine ecosystems and the vital need for conservation in order to protect aquatic life.

### **Course Objectives:**

- Understand marine ecosystems and the biodiversity of marine life.
- Analyze the ecological interactions within marine environments.
- Study oceanography and the physical processes that shape the oceans.
- Explore human impacts on the ocean and the importance of conservation efforts.
- Learn about marine mammals, coral reefs, and invertebrates, with a focus on their role in the ecosystem.
- Understand the physiological adaptations of marine animals to their environment.
- Apply ecological and conservation principles to protect marine life.

### **Syllabus:**

Unit 1: Marine Ecosystems  
Unit 2: Biodiversity of Marine Life  
Unit 3: Ecological Interactions  
Unit 4: Oceanography  
Unit 5: Human Impacts  
Unit 6: Management and Conservation  
Unit 7: Biodiversity of Life on Earth  
Unit 8: Rise of the Invertebrates  
Unit 9: Who are the Invertebrates  
Unit 10: Coral Reefs  
Unit 11: Protecting the Reef  
Unit 12: Species of Marine Mammals  
Unit 13: Marine Mammal Evolution  
Unit 14: Diving Adaptations  
Unit 15: Osmoregulation  
Unit 16: Thermoregulation  
Unit 17: Sensory Systems  
Unit 18: Conservation is Key

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Medical Terminology

### **Course Description:**

This asynchronous course is designed to introduce students to the essential vocabulary, terminology, and systems of the human body. Through this course, students will gain a foundational understanding of medical terminology, which is crucial for anyone pursuing a career in healthcare. The course is divided into 18 units, each focused on specific body systems and concepts such as the cardiovascular, skeletal, and respiratory systems. Students will also learn about the structure and function of various body parts and the language used to describe them.

### **Course Objectives:**

- Develop a strong understanding of medical terminology and word-building techniques.
- Learn the anatomical and physiological structures of the human body.
- Understand the medical terms associated with different body systems.
- Cultivate the ability to decipher complex medical terms using prefixes, suffixes, and root words.
- Familiarize students with the medical vocabulary needed for various healthcare-related professions.

### **Syllabus:**

Unit 1: Introduction to Medical Terminology

Unit 2: Word Building

Unit 3: Body Organization

Unit 4: Integumentary System

Unit 5: Skeletal System

Unit 6: Muscular System

Unit 7: Cardiovascular System

Unit 8: Blood and The Lymphatic System

Unit 9: The Lymphatic and Immune System

Unit 10: Respiratory System

Unit 11: Digestive System

Unit 12: Urinary System

Unit 13: The Female Reproductive System

Unit 14: The Male Reproductive System

Unit 15: The Endocrine System

Unit 16: The Nervous System

Unit 17: Special Senses: The Eye and The Ear

Unit 18: Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Social Studies

## World History II

### **Course Description:**

This asynchronous World History II course for high school students offers a comprehensive overview of global history from 1500 AD to the present. Designed to facilitate self-paced learning, the course explores major historical events, cultural movements, and significant political shifts around the world. Through engaging online materials and interactive assessments, students will develop a deeper understanding of how historical events are interconnected and how they have shaped the modern world.

### **Course Objectives:**

- To understand key events and developments in world history from 1500 AD to the contemporary period.
- To analyze the impacts of historical events on societies, cultures, and politics across different regions.
- To develop critical thinking and analytical skills by evaluating primary and secondary sources.
- To enhance writing and historical argumentation skills through structured assignments.

### **Syllabus:**

Unit 1: A World History Overview of 1500  
Unit 2: Reformation's Impact on Western Civilization  
Unit 3: The European Age of Exploration  
Unit 4: Europe and Russia I  
Unit 5: Europe and Russia II  
Unit 6: Asian Empires I  
Unit 7: Asian Empires II  
Unit 8: Sub-Saharan Africa  
Unit 9: The Expansion of Imperialism  
Unit 10: Consequences of Imperialism  
Unit 11: What Caused World War I?  
Unit 12: The Russian Revolution  
Unit 13: World War I  
Unit 14: The Treaty of Versailles and Its Consequences  
Unit 15: The Unanswered Threats of the 1930s  
Unit 16: World War II  
Unit 17: The Tragedy of the Holocaust  
Unit 18: Historical Thinking Skills I Assessment  
Unit 19: Multinational Organizations  
Unit 20: The Division of Palestine  
Unit 21: The Cold War: Part 1  
Unit 22: The Cold War: Part 2  
Unit 23: The Cold War in Vietnam and Afghanistan  
Unit 24: China Takes a Great Leap Forward



Unit 25: The Decolonization of India  
Unit 26: Japan: From Defeated Nation to Economic Power  
Unit 27: The Resurgence of Western Europe  
Unit 28: The Fall of the Soviet Union  
Unit 29: An Era of Change for Eastern Europe  
Unit 30: Islamic Nationalism and the Middle East  
Unit 31: The Liberation of Africa  
Unit 32: The Struggle to End Apartheid  
Unit 33: Forces of Change in Latin America  
Unit 34: Terrorism and the Multipolar World  
Unit 35: Five Major World Religions  
Unit 36: Historical Thinking Skills II Assessment

**Assessment and Grading:**

Students will be evaluated through a mix of quizzes, written assignments, and two major assessments focusing on historical thinking skills. Assignments will require critical analysis of historical events, interpretation of primary sources, and development of coherent historical arguments.

## Virginia and United States History

### **Course Description:**

This asynchronous course provides an in-depth examination of Virginia and United States history from pre-colonial times to the present. Designed for high school students, the course blends the specific history of Virginia with the broader American experience to give students a comprehensive view of the social, political, and economic developments that have shaped the region and the country. Through engaging with primary sources, critical thinking activities, and multimedia content, students will gain a robust understanding of historical events and their impacts.

### **Course Objectives:**

- To understand key historical events in Virginia and United States history and their interconnections.
- To develop skills in analyzing primary sources and constructing historical arguments.
- To explore the diverse cultural, social, and political landscapes that have influenced Virginia and the U.S.
- To critically evaluate historical narratives and their relevance to contemporary issues.

### **Syllabus:**

Unit 1: Engaging in Primary Sources

Unit 2: Early North American Indigenous Cultures

Unit 3: Early Exploration

Unit 4: Global Influences and Expeditions

Unit 5: The Thirteen Colonies

Unit 6: The Political and Religious Landscape of the Colonies

Unit 7: African Roots and American Chains

Unit 8: Indigenous Alliances and Colonial Encounters

Unit 9: The Declaration of Independence

Unit 10: The Articles of Confederation

Unit 11: The Constitution of the United States

Unit 12: The Rights and Powers: U.S. Constitutional Foundations

Unit 13: The War of 1812

Unit 14: Westward Expansion in America

Unit 15: The Impact on American Indian Nations

Unit 16: Development and Abolition of Slavery

Unit 17: The Civil War Begins

Unit 18: The Civil War Ends

Unit 19: The Reconstruction Era

Unit 20: Post-Reconstruction Virginia: A New Landscape

Unit 21: Westward Expansion and Immigration

Unit 22: Urbanization and Industrialization

Unit 23: The Progressive Era  
Unit 24: America Becomes a World Power  
Unit 25: America from the 20s to the New Deal  
Unit 26: The Great Depression and the New Deal  
Unit 27: World War II  
Unit 28: World War II and its Many Faces  
Unit 29: The Cold War: Early Years and Policies  
Unit 30: The End of the Cold War  
Unit 31: The Civil Rights Movement  
Unit 32: The Civil Rights Movement Through Charts, Graphs, and Pictures  
Unit 33: Historical Thinking and Constructing Arguments  
Unit 34: Late 20th and Early 21st Century America  
Unit 35: The Evolving Role of the U.S. Government in the Economy  
Unit 36: Historical Thinking Skills Assessment

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, projects, and two major assessments focusing on their ability to engage with and analyze historical content. These assessments will also evaluate their skills in using primary sources and constructing historical arguments.

## Virginia and United States Government

### **Course Description:**

This asynchronous course provides a comprehensive overview of the structures, principles, and functions of both the Virginia and United States governments. Through a series of units, students will explore historical foundations, key documents, governmental branches, civic responsibilities, electoral processes, legal systems, economic frameworks, and foreign policy implications. Emphasis will be placed on critical thinking, responsible citizenship, and the application of knowledge to contemporary issues.

### **Course Objectives:**

- **Develop Critical Thinking and Analytical Skills**

Enhance students' ability to critically evaluate government systems, policies, and historical events to foster informed decision-making and responsible civic participation.

- **Understand Governmental Structures and Principles**

Examine the structures, functions, and historical foundations of both the Virginia and United States governments, focusing on the separation of powers, checks and balances, and democratic ideals.

- **Explore Civic Responsibilities and the Electoral Process**

Investigate the roles and responsibilities of citizens, including voting, political participation, and understanding the electoral process at both the state and federal levels.

- **Apply Knowledge to Contemporary Issues and Global Interactions**

Encourage students to connect their understanding of governmental systems and principles to current events and global challenges, fostering practical applications of knowledge in real-world scenarios.

### **Syllabus:**

Unit 1: Historical Thinking & Responsible Citizenship

Unit 2: Current Issues & Data Sources

Unit 3: Influence of Athenian Democracy and Roman Republic

Unit 4: Foundations of American Government

Unit 5: Foundational Documents of the American Government

Unit 6: Foundations of Freedom

Unit 7: The Ideals of Democracy

Unit 8: Understanding Limited and Unlimited Government

Unit 9: Fundamental Concepts of Democracy

Unit 10: Preamble and Articles I, II, & III

Unit 11: The Three Branches of Government

Unit 12: Federalism

Unit 13: The Ratification of the Constitution

Unit 14: Foundations and Values of the American Republic

Unit 15: Constitutional Democracy

Unit 16: From Naturalization to Civic Participation  
Unit 17: Navigating Public Roles and Responsibilities  
Unit 18: VA & US Government Exam #1  
Unit 19: Voting Rights in the United States  
Unit 20: Voting and Elections  
Unit 21: Presidential Election Process  
Unit 22: Article I: Legislative Branch  
Unit 23: Article II: Executive Branch  
Unit 24: Article III: Judicial Branch  
Unit 25: Virginia's Blueprint: Branches & Powers  
Unit 26: Understanding the Virginia Lawmaking Process  
Unit 27: Virginia's Local Government  
Unit 28: Civil Liberties and Civil Rights  
Unit 29: The Supreme Court and the Bill of Rights  
Unit 30: Foreign Policy and Virginia's Role  
Unit 31: Economic Systems: An American Perspective  
Unit 32: Comparing Capitalism to Socialism and Communism  
Unit 33: Understanding the American Market System  
Unit 34: Government's Role in the American Economy  
Unit 35: Fiscal and Monetary Policy  
Unit 36: VA and US Government Exam #2

# Psychology

## **Course Description:**

This asynchronous course introduces the field of psychology, offering students a comprehensive overview of human behavior, mental processes, and the scientific study of the mind. The course is divided into 18 units, which explore topics ranging from the history of psychology to the functions of memory and learning. Students will gain an understanding of psychological concepts, including consciousness, behavior, and aggression, as well as the biological and environmental factors that influence thoughts and actions. By the end of the course, students will develop a foundational understanding of psychology and its applications to everyday life.

## **Course Objectives:**

- **Understand the Foundations of Psychology**

Explore the history, key psychological theories, and contemporary practices, with a focus on the brain's influence on thoughts, emotions, and behavior.

- **Examine Core Psychological Concepts**

Investigate psychological processes such as consciousness, sleep, learning, memory, and how substance use and abuse affect behavior.

- **Analyze Behavioral Theories and Learning Processes**

Study the impact of aggression, conditioning, and observational learning on human behavior, emphasizing both biological and environmental factors.

- **Develop Critical Thinking and Analytical Skills**

Foster the ability to critically evaluate psychological research and theories, applying them to real-world issues and personal experiences.

## **Syllabus:**

Unit 1: What is Psychology?

Unit 2: History of Psychology

Unit 3: Contemporary Psychology

Unit 4: Listen

Unit 5: Our Brains Control Our Thoughts, Feelings, and Behavior

Unit 6: What is Consciousness?

Unit 7: Why We Sleep

Unit 8: Elaborate

Unit 9: Substance Use and Abuse

Unit 10: What is Learning?

Unit 11: Classical Conditioning

Unit 12: Association

Unit 13: Operant Conditioning

Unit 14: Observational Learning

Unit 15: Retrieval

Unit 16: How Memory Functions

Unit 17: Aggression

Unit 18: Night

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Sociology

### **Course Description:**

This asynchronous Sociology course introduces students to the fundamental concepts of sociology, helping them understand the structures and dynamics of society. Through the exploration of key sociological theories, social institutions, and cultural norms, students will develop a deeper understanding of the way social forces shape human behavior. The course will explore socialization, deviance, social stratification, and more, offering a comprehensive view of how individuals interact within society and the impact of larger societal forces on behavior.

### **Course Objectives:**

- **Develop an Understanding of Sociological Concepts**  
Foster an understanding of sociology's key ideas, including the study of societies, social institutions, and culture.
- **Explore Social Forces Shaping Human Behavior**  
Investigate the impact of socialization, cultural norms, and social stratification on behavior, attitudes, and life choices.
- **Understand Socialization and Deviance**  
Examine how individuals become socialized, the factors that influence deviant behavior, and the role of law enforcement in society.
- **Analyze the Role of Social Structures**  
Explore the ways that social structures (e.g., race, class, gender) shape individuals' life experiences and societal outcomes.

### **Syllabus:**

- Unit 1: Sociology and Society
- Unit 2: Socialization
- Unit 3: Deviance
- Unit 4: Social Stratification
- Unit 5: Social Inequality
- Unit 6: Culture
- Unit 7: Social Groups and Organizations
- Unit 8: Social Interaction
- Unit 9: Social Change and the Future
- Unit 10: Media and Society
- Unit 11: Political Systems and Inequality
- Unit 12: Education
- Unit 13: Work and the Economy
- Unit 14: Family
- Unit 15: Religion



Unit 16: Health and Medicine

Unit 17: Globalization and Social Movements

**Assessment and Grading:**

Assessments will include quizzes, writing assignments, and a final project for each unit. Grading will be based on active participation, completion of assignments, and written reflections.

# Math

# Algebra I

## **Course Description:**

Algebra I is an asynchronous course designed to provide students with a solid foundation in algebraic concepts and problem-solving skills. Through a series of units, students will explore fundamental topics such as expressions, equations, functions, and graphing techniques. Emphasis will be placed on understanding key algebraic principles and applying them to real-world scenarios. By the end of the course, students will have developed the necessary skills to solve a variety of algebraic equations and interpret mathematical representations.

## **Course Objectives:**

- Develop a solid foundation in algebraic concepts and problem-solving skills.
- Explore and understand fundamental topics such as expressions, equations, functions, and graphing techniques.
- Apply algebraic principles to real-world scenarios and mathematical representations.
- Solve a variety of algebraic equations and interpret mathematical representations effectively.

## **Syllabus:**

Unit 1: Combining Like Terms and the Distributive Property

Unit 2: Expressions: Part I

Unit 3: Expressions: Part II

Unit 4: Law of Exponents: Part I

Unit 5: Law of Exponents: Part II

Unit 6: Polynomials: Part I

Unit 7: Polynomials: Part II

Unit 8: Polynomials: Part III

Unit 9: Multiplying Polynomials

Unit 10: Complete Factoring and Solving Equations

Unit 11: Solving Equations, Part One

Unit 12: Solving Equations, Part Two

Unit 13: Solving Linear Equations Part I

Unit 14: Solving Linear Equations Part II

Unit 15: Solving Linear Equations Part III

Unit 16: Functions

Unit 17: Writing Linear Equations

Unit 18: Graphing Linear Functions

Unit 19: Slope

Unit 20: Graphing Linear Equations and Inequalities

Unit 21: Solving Linear Inequalities

Unit 22: Direct and Inverse Variation

Unit 23: Systems of Equations  
Unit 24: System of Inequalities  
Unit 25: Simplifying Radicals  
Unit 26: Graphing Quadratic Functions in Standard Form  
Unit 27: Graphing Quadratic Functions in Vertex and Intercept Form  
Unit 28: Solving Quadratic Equations by Graphing  
Unit 29: Solving Quadratic Equations Using Factoring and Square Roots  
Unit 30: The Quadratic Formula  
Unit 31: Solving Quadratic Equations  
Unit 32: Quadratic Function Word Problems  
Unit 33: Exponential Functions  
Unit 34: Geometric Sequences  
Unit 35: Scatter Plots, Histograms, Dot Plots, and Two-Way Tables  
Unit 36: Measures of Center and Spread

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Geometry

## **Course Description:**

Geometry is an asynchronous course that explores the fundamental principles of geometric shapes, spatial reasoning, and problem-solving techniques. Through a series of units, students will investigate the properties of lines, angles, polygons, circles, and three-dimensional figures. Emphasis will be placed on understanding geometric relationships, applying geometric concepts to real-world situations, and developing logical reasoning skills. By the end of the course, students will have a solid foundation in geometry and the ability to analyze and solve a variety of geometric problems.

## **Course Objectives:**

- Understand and apply geometric principles in real-world contexts.
- Develop spatial reasoning skills for analyzing and solving geometric problems.
- Learn the properties of lines, angles, polygons, and circles.
- Apply logical reasoning to solve problems involving geometric shapes and figures.

## **Syllabus:**

Unit 1: Tools of Geometry - Lines, Planes, and Ray

Unit 2: Tools of Geometry – Segments

Unit 3: Tools of Geometry – Angles

Unit 4: Angles Formed by Intersecting Lines

Unit 5: Parallel and Transversal Lines

Unit 6: Angles Formed by Transversal Intersecting Parallel Lines

Unit 7: Congruence

Unit 8: Triangles (Triangle Sum Theorem)

Unit 9: Triangles (Isosceles and Equilateral)

Unit 10: Triangle Relationships

Unit 11: Polygons

Unit 12: Polygon Angle Sum Theorem

Unit 13: Quadrilaterals

Unit 14: Parallelograms, Rectangles, and Rhombuses

Unit 15: Squares, Trapezoids, and Kites

Unit 16: Circles

Unit 17: Circles - Arcs and Central Angles

Unit 18: Circles: Arcs and Inscribed Angles

Unit 19: Circles: Area of Circles and Sectors

Unit 20: Circles: Writing an Equation of a Circle

Unit 21: Transformations

Unit 22: Transformation Rules

Unit 23: Similar Figures

Unit 24: Congruent Figures

Unit 25: Ratios and Proportional

Unit 26: Trigonometry with Right Triangles: Sine, Cosine, and Tangent Ratios

Unit 27: Using Trigonometric Ratios to Find a Side of a Right Triangle

Unit 28: Trigonometry with Right Triangles: Using Inverse Trigonometry

Unit 29: Area: Squares and Rectangles

Unit 30: Area: Triangles and Quadrilaterals

Unit 31: Volume: Prism and Cubes

Unit 32: Volume of Cylinders

Unit 33: Volume: Cones and Spheres

Unit 34: Volume: Composite Figures

Unit 35: Volume (Special Topic)

Unit 36: Logic and Reasoning

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Algebra II

### **Course Description:**

Algebra II is an asynchronous course that delves into advanced algebraic concepts and applications. Through a series of units, students will explore equations, inequalities, functions, polynomials, matrices, probability, and statistics. Emphasis will be placed on problem-solving skills, mathematical reasoning, and real-world applications. By the end of the course, students will have a thorough understanding of algebraic principles and their relevance in various contexts.

### **Course Objectives:**

- Develop advanced algebraic skills for solving equations, inequalities, and functions.
- Learn to apply algebraic concepts to real-world problems and mathematical contexts.
- Explore polynomial and matrix operations, and understand their applications.
- Gain proficiency in probability and statistics and use them for problem-solving.

### **Syllabus:**

Unit 1: Solving Equations and Applications

Unit 2: Inequalities and Absolute Value Equations

Unit 3: Systems of Equations and Linear Equalities

Unit 4: Functions and Inverses of Functions

Unit 5: Special Functions and Transformations

Unit 6: Quadratic Functions

Unit 7: Solving Quadratic Equations

Unit 8: Complex Numbers

Unit 9: More Quadratic Functions

Unit 10: Curve Fitting and Quadratic Inequalities

Unit 11: Logarithmic Functions

Unit 12: Natural Logarithms

Unit 13: Exponential Growth and Decay

Unit 14: Polynomial Functions

Unit 15: Mastering Polynomial Operations

Unit 16: Techniques for Factoring and Dividing Polynomials

Unit 17: Understanding Polynomial Expressions and Identities

Unit 18: Graphing and Solving Polynomial Equations

Unit 19: Solving Polynomial Equations

Unit 20: Solving Systems with Matrix Equations

Unit 21: Rational Expressions and Graphs

Unit 22: Rational Expressions and Equations

Unit 23: Radical Expressions and Equations

Unit 24: Hyperbolas and Solving Quadratic

Unit 25: Probability: Fundamental Counting Principle, Permutations, Combinations

Unit 26: Independent and Dependent Events; Conditional Probability

Unit 27: Probability and Statistics

Unit 28: Permutations and Combinations

Unit 29: Normal Distribution

Unit 30: Z-Scores

Unit 31: Understanding Data

Unit 32: Descriptive Statistics

Unit 33: Data Visualization

Unit 34: Probability Basics

Unit 35: Probability Distributions

Unit 36: Inferential Statistics

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.



# Probability and Statistics

## **Course Description:**

Probability and Statistics is an asynchronous course designed to provide students with a comprehensive understanding of fundamental statistical concepts and their applications. Through a series of units, students will explore topics such as ratios, percentages, statistical measures, probability, and data analysis. Emphasis will be placed on real-life applications, problem-solving skills, and critical thinking. By the end of the course, students will be equipped with the knowledge and skills to analyze data, make informed decisions, and interpret statistical information.

## **Course Objectives:**

- Understand ratios, percentages, and statistical measures.
- Develop skills to apply probability in real-life situations.
- Analyze data and make informed conclusions.
- Use statistical tools for data visualization and interpretation.

## **Syllabus:**

Unit 1: Ratio

Unit 2: Tape Diagrams

Unit 3: Using Ratio Tables

Unit 4: Rates and Unit Rates

Unit 5: Converting Measures

Unit 6: Identifying Proportional Relationships

Unit 7: Writing and Solving Proportions

Unit 8: Fractions in Real Life

Unit 9: Decimals in Real Life

Unit 10: Percentages in Real Life

Unit 11: Converting Fractions, Decimals, and Percentages

Unit 12: The Percent Proportion

Unit 13: The Percent Equation

Unit 14: Percent of Increase and Decrease

Unit 15: Discounts and Markups

Unit 16: Simple Interest

Unit 17: The Pythagorean Theorem

Unit 18: First Semester Exam

Unit 19: Introduction to Statistics

Unit 20: Statistical Mean

Unit 21: Measures of Center

Unit 22: Measures of Variation

Unit 23: Mean Absolute Variation

Unit 24: Probability  
Unit 25: Experimental and Theoretical Probability  
Unit 26: Compound Events  
Unit 27: Simulations  
Unit 28: Samples and Populations  
Unit 29: Using Random Samples to Describe Population  
Unit 30: Comparing Populations  
Unit 31: Using Random Samples to Compare Populations  
Unit 32: Writing and Solving One-Step Equations  
Unit 33: Solving Multi-Step Equations  
Unit 34: Equations with Variables on Both Sides  
Unit 35: Rewriting Equations and Formulas  
Unit 36: Final Exam

**Assessment and Grading:**

Students will be assessed

through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Financial Math

### **Course Description:**

Financial Math is an asynchronous course designed to help students develop an understanding of key financial principles and apply them to real-life scenarios. Through a series of units, students will explore topics such as budgeting, saving, investing, credit, loans, and taxes. Emphasis will be placed on making informed financial decisions, understanding the implications of financial choices, and preparing for future financial stability. By the end of the course, students will have the knowledge and skills needed to manage personal finances and navigate financial systems effectively.

### **Course Objectives:**

- Develop an understanding of financial concepts like budgeting, saving, and investing.
- Learn to make informed decisions regarding credit, loans, and debt management.
- Gain the ability to analyze financial situations and apply solutions for financial stability.
- Understand how taxes, insurance, and other financial obligations affect personal financial planning.

### **Syllabus:**

Unit 1: Introduction to Financial Math  
Unit 2: Understanding Income and Expenses  
Unit 3: Creating a Budget  
Unit 4: Savings and Investments  
Unit 5: Simple Interest and Compound Interest  
Unit 6: Credit and Debt Management  
Unit 7: Loans and Mortgages  
Unit 8: Understanding Taxes  
Unit 9: Insurance and Risk Management  
Unit 10: Financial Planning for Major Life Events  
Unit 11: Retirement Planning  
Unit 12: Stock Market Basics  
Unit 13: Mutual Funds and Bonds  
Unit 14: Understanding Credit Scores  
Unit 15: Evaluating Financial Products  
Unit 16: Consumer Rights and Protection  
Unit 17: Managing a Bank Account  
Unit 18: Managing and Reducing Debt  
Unit 19: Understanding Economic Cycles  
Unit 20: Inflation and Its Impact  
Unit 21: Real Estate and Homeownership  
Unit 22: The Role of Banks and Financial Institutions

Unit 23: Financial Planning for Education  
Unit 24: Entrepreneurship and Small Business Finance  
Unit 25: Understanding Global Markets  
Unit 26: Ethical Financial Decision-Making  
Unit 27: Personal Financial Statements  
Unit 28: Managing Financial Risks  
Unit 29: Financial Software and Tools  
Unit 30: Financial Math Review and Applications  
Unit 31: Capstone Project: Personal Financial Plan  
Unit 32: Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. The final project will require students to create a comprehensive personal financial plan. Grades will be based on the timely completion and quality of work submitted.

# Health and PE

## Health 9

### **Course Description:**

Health 9 is designed to provide students with a comprehensive understanding of various aspects of health, including physical, mental, and social well-being. Through this asynchronous course, students will explore topics such as the endocrine system, nutrition, disease prevention, substance abuse, mental health, and social issues affecting health. The course aims to equip students with the knowledge and skills necessary to make informed decisions regarding their health and well-being.

### **Course Objectives:**

- Understand the relationship between physical, mental, and social health.
- Explore the impact of lifestyle choices, including diet, sleep, and exercise, on overall health.
- Identify and prevent chronic diseases, including those related to substance abuse and mental health.
- Learn how to address social issues and recognize the importance of personal and community health.

### **Syllabus:**

Unit 1: Endocrine System

Unit 2: Understanding Vitamins, Minerals, and Healthy Food Choices

Unit 3: Eating, Sleeping, and Screen Time

Unit 4: Preventing Chronic Disease

Unit 5: Herd Immunity, Epidemics, and Pandemics

Unit 6: Promote Vision, Hearing, and Dental Health

Unit 7: Substance Abuse and Injury Risk

Unit 8: The Opioid Crisis and Teen Risk

Unit 9: Brain Injuries and Concussions

Unit 10: Understanding, Identifying, and Reporting Threats

Unit 11: Time Management

Unit 12: Impact of Social Media and Online Behavior

Unit 13: Social and Emotional Skills: Mental Illness and Challenges

Unit 14: Social and Emotional Skills: Conflict Resolution

Unit 15: Violence Prevention: Gang Involvement

Unit 16: Community Health: Health-Related Social Issues

Unit 17: Environmental Health: Global Environmental Health Issues

Unit 18: Health 9 Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Health 10

### **Course Description:**

Health 10 is designed to further students' understanding of various aspects of health, with a focus on physical, mental, and social well-being. Through this asynchronous course, students will explore topics such as the lymphatic system, diet diversity, sleep, technology's impact on health, social determinants of health, mental health, relationships, and community health dynamics. The course aims to empower students to make informed decisions regarding their health, relationships, and community engagement.

### **Course Objectives:**

- Explore the structure and function of body systems, including the lymphatic and immune systems.
- Analyze the role of technology and social media in influencing health.
- Investigate the impact of mental health on well-being and learn how to seek help.
- Understand how community health and social determinants of health affect individual choices.

### **Syllabus:**

Unit 1: The Lymphatic System

Unit 2: A Variety of Diets

Unit 3: Sleep, Noncommunicable Diseases, and Health Choices

Unit 4: Tech and Screenings for Lifelong Health

Unit 5: Social Determinants of Health

Unit 6: Teen Choices: Substance Use and Health Impacts

Unit 7: Teen Driving

Unit 8: Navigating Online Safety

Unit 9: Mental Health

Unit 10: Healthy and Unhealthy Relationships

Unit 11: Mental Health Professionals and Services

Unit 12: Teen Relationships

Unit 13: Peer Pressure and Conflict Resolution

Unit 14: Understanding Violence

Unit 15: Understanding Natural Disasters and Emergency Preparedness

Unit 16: Understanding Environmental Health

Unit 17: Community Health Dynamics and Health Literacy

Unit 18: Health 10 Exam



**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Physical Education 9

### **Course Description:**

PE 9 is an asynchronous course designed to introduce students to the fundamentals of physical fitness and well-being. Through a series of modules, students will explore various aspects of fitness, including cardiovascular fitness, muscular strength, flexibility, and nutrition. The course aims to provide students with the knowledge and skills necessary to develop and maintain a healthy and active lifestyle. Throughout this course, we will engage in unique and interactive lessons, discussions, and a weekly activity log to monitor our physical activity.

For each unit, students are required to complete a Fitness Log with at least three days of activities. Each log will have the following information:

- Date of Activity
- Start and End Time of the Activity
- Description
  - Title of the Workout
  - Fitness Journal
  - Fitness Sponsor's Full Name and Phone Number

### **Course Objectives:**

- Understand the components of physical fitness and their role in health.
- Develop the knowledge to create a personalized fitness plan.
- Explore the importance of nutrition, hydration, and sleep in physical health.
- Understand how physical activity contributes to emotional well-being and stress management.

### **Syllabus:**

Unit 1: Introduction to Fitness

Unit 2: What is Physical Fitness

Unit 3: Skill-Related Components of Fitness

Unit 4: Flexibility

Unit 5: Cardiovascular Fitness

Unit 6: Muscular Strength

Unit 7: Muscular Endurance

Unit 8: Body Composition

Unit 9: Fitness & Exercise

Unit 10: FITT Principle

Unit 11: Aerobic and Anaerobic Exercise

Unit 12: Hydration & Sleep

Unit 13: Healthy Nutrition

Unit 14: My Plate  
Unit 15: Hygiene  
Unit 16: Stress  
Unit 17: Goal Setting  
Unit 18: Fitness Plan

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted. The Fitness Log will be part of the assessment for each unit.

## Physical Education 10

### **Course Description:**

PE 10 is an asynchronous course designed to deepen students' understanding of physical education concepts and promote lifelong fitness and well-being. Through a series of modules, students will explore topics such as the benefits of physical activity, fitness principles, nutrition, stress management, and consumer decision-making related to health and fitness products. The course aims to empower students to make informed choices about their health and fitness, develop effective exercise routines, and cultivate emotional and physical well-being. Throughout this course, we will engage in unique and interactive lessons, discussions, and a weekly activity log to monitor our physical activity.

### **Course Objectives:**

- Understand the science behind physical fitness and the body's response to exercise.
- Develop skills to manage stress through physical activity and mental exercises.
- Learn to make informed decisions about nutrition, fitness products, and lifestyle choices.
- Design and implement a personalized fitness plan that promotes lifelong health.

### **Syllabus:**

Unit 1: Intro to Physical Education

Unit 2: Benefits of Physical Activity

Unit 3: Fitness Principles

Unit 4: Powering Your Body with Exercise

Unit 5: Nutrients Your Body Needs

Unit 6: Keep Your Body in Motion

Unit 7: Healthier Me

Unit 8: Safety

Unit 9: Stress

Unit 10: Emotional Well-being through Mind-Body Exercises

Unit 11: Mastering Movement: From Science to Skill

Unit 12: Anatomy of Motion

Unit 13: Tuning Into Your Body: RPE in Action

Unit 14: Healthy Eating and Active Living

Unit 15: Fitness for Life

Unit 16: Navigating Consumer Decisions

Unit 17: Fitness Plan

Unit 18: Exam and Evaluation

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted. The Fitness Log will be part of the assessment for each unit.

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# Foreign Language

# American Sign Language I

## **Course Description:**

American Sign Language I is an asynchronous course designed to introduce students to the fundamentals of American Sign Language (ASL). Through a series of structured units, students will learn vocabulary, grammar, and cultural aspects of ASL. The course aims to develop students' expressive and receptive skills in ASL, enabling them to engage in basic conversations and understand signed communication.

## **Course Objectives:**

- Learn the fundamentals of ASL vocabulary and grammar.
- Develop expressive and receptive ASL skills.
- Understand cultural aspects of ASL and the Deaf community.
- Engage in basic ASL conversations.

## **Syllabus:**

Unit 1: Introduction to ASL  
Unit 2: Tense Indicators and Lexicalized Finger Spelling  
Unit 3: Places and Locations  
Unit 4: Simple Sentences  
Unit 5: Setting Up People, Places, and Things  
Unit 6: Review of Units 1-5  
Unit 7: Non-Manual Signals  
Unit 8: Mouth  
Unit 9: Use of Adjectives  
Unit 10: Classifiers Part I  
Unit 11: Plural Classifiers Part II  
Unit 12: Review of Units 7-11  
Unit 13: Synonyms  
Unit 14: Declarative Sentences  
Unit 15: Conditional Sentences  
Unit 16: Conjunctions  
Unit 17: Review of Units 13-16  
Unit 18: First Semester Final  
Unit 19: Verbs  
Unit 20: Noun-Verb Pairs  
Unit 21: Sign Plurality  
Unit 22: Expansions  
Unit 23: Distributional Aspects  
Unit 24: Review of Units 19-23

Unit 25: Describing Homes  
Unit 26: Temporal Aspects  
Unit 27: Giving Directions  
Unit 28: Rhetorical Questions  
Unit 29: Commands  
Unit 30: Review of Units 24-29  
Unit 31: Time Concepts  
Unit 32: Storytelling  
Unit 33: Money  
Unit 34: Receptive Skills  
Unit 35: Review of Units 31-34  
Unit 36: Second Semester Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.



## American Sign Language II

### **Course Description:**

American Sign Language II is an asynchronous course designed to further develop students' proficiency in American Sign Language (ASL). Building upon the foundation established in ASL I, students will delve deeper into advanced ASL grammar, vocabulary, and cultural aspects. Through a series of structured units, students will expand their expressive and receptive skills, enabling them to engage in more complex conversations and discussions within the Deaf community.

### **Course Objectives:**

- Build upon ASL I skills to master more advanced vocabulary and grammar.
- Enhance expressive and receptive skills for more complex conversations.
- Understand deeper cultural elements of the Deaf community.
- Use ASL in discussions on various topics.

### **Syllabus:**

Unit 1: Review of Introduction to ASL

Unit 2: Inflection

Unit 3: Role Shifting

Unit 4: Listing and Ranking

Unit 5: Past Tense Indicators

Unit 6: Review of Units 1-5

Unit 7: Numbers

Unit 8: Future Tense Indicators

Unit 9: Pronouns

Unit 10: WH-Questions

Unit 11: Sports and Recreation

Unit 12: Review of Units 7-11

Unit 13: States and Countries

Unit 14: Agent Marker

Unit 15: Labels

Unit 16: Review of Units 13-16

Unit 17: Volunteer Opportunities Within the Deaf Community

Unit 18: Greetings and Responses

Unit 19: Do-What?

Unit 20: Body Types

Unit 21: Narratives

Unit 22: Accidents

Unit 23: Review of Units 19-23

Unit 24: Rhetorical Questions

Unit 25: Music Interpretation  
Unit 26: Food  
Unit 27: Morning Routines  
Unit 28: Evening Routines  
Unit 29: Review of Units 25-29  
Unit 30: Weather  
Unit 31: Materials  
Unit 32: Social Activities  
Unit 33: Outdoor Activities  
Unit 34: Review of Units 31-34  
Unit 35: Final Exam

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## French I

### **Course Description:**

This asynchronous French I course is designed to introduce students to the fundamentals of the French language and culture. Through a structured exploration of vocabulary, grammar, pronunciation, and cultural topics, students will develop the skills necessary to communicate in French, both in written and spoken forms. The course covers a variety of essential language concepts including greetings, personal information, family structure, food and meals, sports, and more, with an emphasis on speaking and understanding French as it is used in daily life.

### **Course Objectives:**

- Develop basic proficiency in speaking, reading, and writing French.
- Understand and apply French grammar concepts, including verb conjugations, adjectives, and sentence structure.
- Build a foundational vocabulary covering topics such as personal information, family, school, and daily activities.
- Enhance cultural understanding of French-speaking countries and traditions, including French food, holidays, and celebrations.
- Improve listening and speaking skills through exposure to authentic French conversations, music, and media.
- Cultivate the ability to describe people, places, and activities using appropriate French language structures.

### **Syllabus:**

Unit 1: Using French for Greetings, Punctuation, Pronunciation, and French Influence on the English Language

Unit 2: Nouns: Genders, Articles, Plurals, Pronunciation of the Letter "E", and Use of the French-English Dictionary

Unit 3: Personal Information, Numbers 0-20, Pronunciation of the letter "I", and Lascaux

Unit 4: Using French to Name School Items; Counting Numbers and Pronunciation

Unit 5: Adjective Agreement and Placement, Quantifier Adverbs

Unit 6: Likes and Adjectives, Je-Form or -Er Verbs, Present Tense, Negatives

Unit 7: Days of the Week, Interrogatives, Second Person of –er Verbs, the Present, and Negatives

Unit 8: Using French to Talk about Activities and How to Form Questions with Inversion

Unit 9: MIDTERM

Unit 10: Giving Dates, Going Shopping and Learning About French Music, Cuisine, and Hiking

Unit 11: Circus and Zoo Animals, Pronunciation of the Letters ai, Third-Person Plural of –er Verbs

Unit 12: Colors, Shapes, Marquis de Lafayette, and Bastille Day

Unit 13: Countries, Contractions, Contributions, and Champlain

Unit 14: French Family Structure and Syllables  
Unit 15: Food and Meals in French Culture  
Unit 16: French Foods and Shopping  
Unit 17: Using French to Increase Vocabulary Skills  
Unit 18: Semester Final  
Unit 19: Using French to Review Pronouns, Verbs, Discussing Lost Items and Studying French-Speaking Countries in Europe  
Unit 20: Using French to Talk About Sports and Tell Time  
Unit 21: Using French to Order in Restaurants  
Unit 22: Weather and Seasons  
Unit 23: Using French to Make Comparisons of People  
Unit 24: Using French to Discuss Physical Ailments and Symptoms  
Unit 25: Using French to Make Superlative Comparisons  
Unit 26: Talking About Time, French Educational System, and the Media  
Unit 27: MIDTERM  
Unit 28: Shopping for Clothes  
Unit 29: Negative and Positive Expressions  
Unit 30: Using French to Discuss Rooms in a House  
Unit 31: Using French to Identify Household Furniture, Pottery, and the Region of Provence  
Unit 32: Using French to Follow Directions  
Unit 33: Household Chores  
Unit 34: Using French to Discuss Career Opportunities  
Unit 35: French I Third Quarterly Evaluation  
Unit 36: Final Project: Travel Journal Project  
Unit 37: Mastering Time and Dates  
Unit 38: Sharing Personal and Family Information  
Unit 39: My Favorite Items: Technology and Personal Belongings  
Unit 40: Cultural Celebrations and Everyday Traditions: Food, Festivals, and Respect  
Unit 41: Ready to Help: Volunteering in the Classroom and the Community

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## French II

### **Course Description:**

This asynchronous French II course is designed for students to build on their foundational knowledge of the French language and expand their communication skills. The course offers an in-depth exploration of grammar, vocabulary, pronunciation, and French culture. Students will learn to express themselves more confidently and fluidly in both written and spoken French, focusing on past, present, and future tenses, as well as cultural topics relevant to the French-speaking world.

### **Course Objectives:**

- Deepen understanding of French grammar, including the passé composé, imparfait, future tense, and reflexive verbs.
- Enhance speaking and writing skills by applying more complex structures and vocabulary.
- Understand French culture and everyday life, including topics such as gastronomy, cinema, and French holidays.
- Improve comprehension of spoken and written French through exposure to diverse materials.

### **Syllabus:**

Unit 1: Getting to Know You

Unit 2: Les Amis et les Études (Friends and Studies)

Unit 3: Reviewing Être and Aller (To Be and To Go)

Unit 4: Reviewing Prepositions and Verbs

Unit 5: Review the Verbs

Unit 6: Review of –ir and –re Verbs and Some Irregular –ir Verbs

Unit 7: Le Passé Composé with Regular Verbs, Using Avoir (The Past Tense with Avoir)

Unit 8: Le Passé Composé Avec Être (The Past Tense with Être)

Unit 9: Reflexive Verbs

Unit 10: Les Pronoms (Pronouns)

Unit 11: La Poste (The Post)

Unit 12: Cultural Discovery: La Poste II

Unit 13: Les Familles de la Banlieue Ouvrière (Families in Working-Class Suburbs)

Unit 14: Le Téléphone (The Telephone)

Unit 15: The Movies

Unit 16: L'Imparfait: Narrating in the Past Tense in French

Unit 17: L'Imparfait II: Les Emplois De L'Imparfait (Uses of the Imperfect Tense)

Unit 18: L'Infinitif Des Verbes Réfléchis & Mid-Term Exam (Infinitive Forms of Reflexive Verbs)

Unit 19: La Martinique Web Quest

Unit 20: La Gastronomie (French Cuisine)  
Unit 21: A Poem by Victor Hugo  
Unit 22: Background on Victor Hugo  
Unit 23: La Coiffure (Hairstyles)  
Unit 24: Les Pronoms Interrogatifs et Démonstratifs (Interrogative and Demonstrative Pronouns)  
Unit 25: Un Accident et L'Hôpital (An Accident and the Hospital)  
Unit 26: Des Pronoms Interrogatifs et Relatifs (Interrogative and Relative Pronouns)  
Unit 27: Les Verbes Suivre et Vivre (Verbs "To Follow" and "To Live")  
Unit 28: Mieux and Meilleur (Better and Best)  
Unit 29: En Avion (By Plane)  
Unit 30: The Future Tense of Regular Verbs  
Unit 31: Future of Être, Faire, and Aller (To Be, To Do, and To Go)  
Unit 32: Les Automobiles (Cars)  
Unit 33: Adverb Formation  
Unit 34: Culture Lesson: Mont Saint Michel  
Unit 35: Web Surf on Les Fêtes (Festivals)  
Unit 36: La Laverie and Final Exam (The Laundromat and Final Exam)  
Unit 37: Cultural Connections: Understanding Everyday Behaviors in Francophone Communities  
Unit 38: Analyzing Media and Marketing Strategies  
Unit 39: Exploring French Cuisine and Menus  
Unit 40: Dining at a French Restaurant  
Unit 41: Mastering Classroom French: School Supplies, Technology, and Communication  
Unit 42: Cultural Communication and Etiquette  
Unit 43: French Planning and Communication  
Unit 44: Exploring France and French Literature  
Unit 45: Exploring French Culture Through Communication and Comparison  
Unit 46: Asking for Directions in Town  
Unit 47: Intercultural Communication Standards

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## French III

### **Course Description:**

This asynchronous French Literature and Culture course aims to deepen students' understanding of French language, literature, and cultural expressions. Through a series of readings, multimedia resources, and projects, students will explore works from iconic French authors, poets, and historical figures. The course also highlights important cultural, political, and social contexts through various literary works, songs, and advertisements. By the end of the course, students will not only enhance their language skills but also gain a better appreciation of Francophone cultures around the world.

### **Course Objectives:**

- Analyze French literary works, poetry, and advertisements to understand cultural and historical contexts.
- Explore the impact of significant French authors such as Victor Hugo, Paul Eluard, and Antoine de Saint-Exupéry.
- Develop writing and speaking skills through projects, creative assignments, and class discussions.
- Compare cultural norms, behaviors, and media from France and other Francophone countries.

### **Syllabus:**

Unit 1: An Interactive Journal

Unit 2: Reading a Note From a Friend and Writing Back

Unit 3: A Retro French Advertisement: Fashion Doll “Big Jim”

Unit 4: Victor Hugo Poem

Unit 5: A French Ad For a Toaster

Unit 6: A French Children’s Song

Unit 7: A Cameroonian Poem

Unit 8: Gestures in France

Unit 9: Article: Le Real Madrid

Unit 10: Listening Unit: On a Train Source

Unit 11: La Météo (The Weather)

Unit 12: A Historical Narrative by Antoine de Saint-Exupéry

Unit 13: A Biography of St. Exupéry

Unit 14: Le Petit Prince: Chapters 1-5

Unit 15: Le Petit Prince: Chapters 6-11, pp. 24-50

Unit 16: Le Petit Prince: Chapters 12-20

Unit 17: Le Petit Prince: Chapters 21-25, pp. 78-99

Unit 18: Le Petit Prince: Chapters 26-27, pp. 99-111 and Mid-Term Exam

Unit 19: Visiting Five Places in France with the Little Prince: A Journal

Unit 20: La Météo: A PowerPoint Presentation and a Web Search

Unit 21: Comparing Health Care Systems in Europe and France

Unit 22: A French Poem by Charles Baudelaire  
Unit 23: A Poem by Jean Cocteau  
Unit 24: A Love Poem by Paul Eluard  
Unit 25: The Poet Paul Eluard: A Biography  
Unit 26: Poetry of Alphonse de Lamartine  
Unit 27: L'Imparfait et le Passé Composé (Imperfect and Past Tenses)  
Unit 28: Le Comparatif et le Superlatif (Comparatives and Superlatives)  
Unit 29: Les Prépositions avec des Noms Géographiques (Prepositions with Geographical Names)  
Unit 30: The History of the European Union  
Unit 31: Une Visite au Louvre (A Visit to the Louvre)  
Unit 32: Francophone Holidays  
Unit 33: Les Misérables by Victor Hugo  
Unit 34: Les Misérables by Victor Hugo  
Unit 35: Le Figaro  
Unit 36: Le Figaro Étudiant and Final Exam  
Unit 37: Cultural Connections: Understanding Everyday Behaviors in Francophone Communities  
Unit 38: Fiction, History, and Cultural Movements in French Media  
Unit 39: Following Instructions  
Unit 40: Navigating Cultural Norms  
Unit 41: Exploring Mandatory Vaccination  
Unit 42: Resolving Unexpected Situations in French  
Unit 43: Global Perspectives on Education and Advocacy  
Unit 44: Les Rôles de la Famille et les Normes Culturelles (Family Roles and Cultural Norms)  
Unit 45: Exploring Personal and Cultural Narratives in French  
Unit 46: French Communication Skills: Persuasion and Professionalism

### **Assessment and Grading**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.



## Spanish I

**Course Description:** This asynchronous Spanish 1 course is designed to introduce students to the basics of the Spanish language, emphasizing communication, grammar, and cultural understanding. Through a structured exploration of vocabulary, verb conjugations, and everyday conversations, students will gain a solid foundation in Spanish. The course is divided into 36 units, each focusing on key language skills ranging from greetings to complex sentence structure. Students will develop proficiency in speaking, listening, reading, and writing in Spanish, while also engaging with the rich cultures of Spanish-speaking countries.

### **Course Objectives:**

- Develop an understanding of fundamental Spanish vocabulary and grammar.
- Communicate effectively in everyday situations through written and spoken Spanish.
- Understand and apply basic verb conjugations (present tense, -AR, -ER, -IR verbs, etc.).
- Enhance vocabulary skills in various topics such as family, food, and directions.
- Learn cultural aspects of Spanish-speaking countries to appreciate the language in context.

### **Syllabus:**

Unit 1: Basic Greetings

Unit 2: Nouns, The Letter E, Spanish-English Dictionary

Unit 3: Personal Information, Numbers 0-20, The Letter I

Unit 4: School Items, Numbers 21-100

Unit 5: Adjectives, Adverbs, Ni...Ni, The Letter O

Unit 6: Likes, Yo - Form of - AR Verbs, The Letter H

Unit 7: The Second Person Singular of -AR Verbs, Days of the Week, Syllables

Unit 8: Talking About Others, Third-Person Present, The Letters J and G

Unit 9: Review and Evaluation

Unit 10: Calendar, We-Form of AR Verbs, Prepositional Phrases, the Letter Ñ

Unit 11: Circus and Zoo Animals

Unit 12: Colors, Shapes, the Verb Estar

Unit 13: Nationalities, Ser, Del, & the Letter D

Unit 14: Family, Possession, the Diphthong ai

Unit 15: Food, Mealtimes & -ER Verbs

Unit 16: Places in Town, IR, the Immediate Future, AL, the Diphthong OY

Unit 17: Infinitives, -IR Verbs, Direct Object Pronouns, Diphthongs UI, UY

Unit 18: First Semester Final

Unit 19: Verbs, Present Tense E:IE, The Diphthong IE

Unit 20: Sports, Verbs O:UE, Telling Time

Unit 21: Verbs E:I, Indirect Object Pronouns

Unit 22: Weather, Seasons, Present Progressive Tense

Unit 23: Comparisons, Descriptions, The Diphthong IO

Unit 24: Medical Information, Tener, the Diphthong UA

Unit 25: Facial Features, Superlatives & the Suffix -ÍSIMO

Unit 26: Phrases Hacer...Que, Acabar de, Time Increments, The Diphthong IU  
Unit 27: Review and Evaluation  
Unit 28: Clothing, Numbers to 1,000, - AU and -EU  
Unit 29: Negative and Positive Expressions, Pronunciation of Triphthongs Communication  
Unit 30: The House, Estar and Ser, Saber, Direct Object Pronouns  
Unit 31: Furniture, Nominalization of Adjectives  
Unit 32: Directions, Seguir, Demonstrative Adjectives  
Unit 33: Familiar Affirmative Commands, Household Chores, Hacer, The Letter G  
Unit 34: Careers, Levels of Address, Basic Personal Questions  
Unit 35: Travel Journal Project  
Unit 36: Second Semester Final

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Spanish II

**Course Description:** This asynchronous Spanish II course builds on the foundation established in Spanish I, enhancing students' proficiency in speaking, listening, reading, and writing in Spanish. The course introduces more complex grammatical structures, verb tenses, and vocabulary, enabling students to express themselves with greater accuracy and fluency. Additionally, cultural understanding is woven throughout, helping students gain insight into the practices, traditions, and perspectives of Spanish-speaking countries. The course is structured into 36 units, each focusing on specific language skills, real-life communication scenarios, and cultural awareness.

### **Course Objectives:**

- Strengthen proficiency in speaking, listening, reading, and writing in Spanish.
- Expand vocabulary and grammatical knowledge, including the use of advanced verb tenses and idiomatic expressions.
- Deepen understanding of Spanish-speaking cultures and intercultural communication.
- Apply language skills to real-world scenarios, such as party planning, future planning, and giving directions.
- Explore both formal and informal expressions in Spanish, understanding when and how to use them in context.

### **Syllabus:**

Unit 01: Basic Greetings

Unit 02: Adjective Placement and Agreement

Unit 03: Adverbs

Unit 04: Prepositions and the Verb Estar

Unit 05: The Verb Ser

Unit 06: Present Tense of -er and -ir Verbs

Unit 07: Expressions Like Me Gusta, Idioms, Formal Singular Commands, Positive and Negative

Unit 08: Direct Object Pronouns, Idiom, Stem-changing Verbs

Unit 09: Review and Evaluation

Unit 10: Indirect Object Pronouns, Idiom, Reflexive Verbs

Unit 11: Personal Pronouns, Idiom, Present, the Verb Oír

Unit 12: Interrogative Pronouns, Idiom, El Pretérito, El Día de los Muertos

Unit 13: From Definite Articles to Spanish Clothing

Unit 14: Negative Phrasing, Preterit Tense, Christopher Columbus and Exports

Unit 15: Use Spanish to Review Idioms, Body Vocabulary and Increase Medical Vocabulary

Unit 16: Using Spanish to Review and Extend Weather Vocabulary

Unit 17: Reviewing Adjectives, Comparing Verb Forms and Baseball in the Dominican Republic

Unit 18: First Semester Final

Unit 19: Using Spanish For Future Planning

Unit 20: Using Spanish to Review Telling Time and Continue Party Planning Project

Unit 21: Review of Progressive Tenses, Object Pronouns and Describing Festivities Locations

Unit 22: Use Spanish to Review Adjectives and Participles  
Unit 23: From Conjunctions to Employment Information  
Unit 24: Review of Preposition 'A', Past Participles and Future Perfect Tense  
Unit 25: Review of Preposition 'De', Simple Tenses and Color Choices  
Unit 26: Reviewing Verbs, Compound Tenses and Etiquette  
Unit 27: Second Quarterly Evaluation  
Unit 28: Using Spanish to Review Clauses and Learn About the Subjunctive Mood  
Unit 29: Infinitive Forms of Commands and Subjunctive Moods After Expressions of Emotions  
Unit 30: Review of 'yo' Form, Present Tense, 'cer' and 'cir' Forms  
Unit 31: Use Spanish to Review Clothing Vocabulary and Reading About Style in Spain  
Unit 32: Review Comparative Forms of Adjectives and Uses of the Subjunctive Mood  
Unit 33: Review Reflexive Verbs and Study the Impersonal Use of the Pronoun 'se'  
Unit 34: Researching the Elements of Spanish Culture  
Unit 35: Party Planning Project  
Unit 36: Second Semester Final

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Spanish III

**Course Description:** This asynchronous Spanish III course aims to deepen students' understanding of the Spanish language by expanding their grammatical knowledge and enhancing their communication skills. The course covers more advanced verb tenses, including the subjunctive mood, the conditional, and various past tenses, alongside vocabulary and idiomatic expressions. Students will also explore Spanish literature, culture, and real-world applications of the language. The course is divided into 36 units, each focusing on specific grammar points, cultural topics, and practical communication skills. By the end of the course, students will be able to engage in more complex conversations, understand nuanced texts, and apply their knowledge in real-world contexts.

### **Course Objectives:**

- Master complex grammar structures, including the subjunctive, future, and conditional tenses.
- Gain proficiency in reading, writing, speaking, and listening in Spanish.
- Understand the cultural and historical context of the Spanish language, including figures like Miguel de Cervantes and authors such as Laura Esquivel.
- Develop practical communication skills for use in various settings, including employment, travel, and community interaction.
- Build critical thinking skills by exploring cultural topics, literature, and current events in the Spanish-speaking world.

### **Syllabus:**

Unit 1: El Pasado

Unit 2: El Futuro

Unit 3: Ser Y Estar

Unit 4: El Imperativo

Unit 5: El Subjuntivo

Unit 6: Más del Subjuntivo

Unit 7: Y Más del Subjuntivo

Unit 8: Imperfecto del Subjuntivo

Unit 9: Repaso Y Evaluación

Unit 10: Miguel de Cervantes y Saavedra

Unit 11: El Presente Perfecto

Unit 12: El Pluscuamperfecto

Unit 13: El Condicional Perfecto y El Futuro Perfecto

Unit 14: Adjetivos Apocopados y El Sufijo "ísimo"

Unit 15: El Artículo

Unit 16: El Presente Perfecto del Subjuntivo

Unit 17: Pluscuamperfecto del Subjuntivo

Unit 18: Mid-Term Evaluation

Unit 19: Los Pronombres Demostrativos y Cláusulas con si

Unit 20: Las Cartas  
Unit 21: Resumen de los Usos del Subjuntivo  
Unit 22: Los Usos del Futuro  
Unit 23: El Calendario Azteca  
Unit 24: La Pronunciación Español  
Unit 25: La Solicitud de Empleo  
Unit 26: La Ortografía  
Unit 27: Second Quarterly Evaluation  
Unit 28: Laura Esquivel  
Unit 29: El Trabajo en Comunidad  
Unit 30: El Estudio Cultural de La Cultura Hispana  
Unit 31: La Influencia de la Globalización  
Unit 32: La Universidad  
Unit 33: La Vida Universitaria  
Unit 34: Los Artistas y el Futuro  
Unit 35: Spanish Short Film Project  
Unit 36: Final Evaluation

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# **Economics and Personal Finance**

## Economics and Personal Finance

### **Course Description:**

Economics and Personal Finance is an asynchronous course designed to provide students with a comprehensive understanding of economic principles and practical financial skills. Through a series of structured units, students will explore fundamental economic concepts such as supply and demand, market competition, government intervention, and global economics.

Additionally, the course will cover essential personal finance topics, including budgeting, saving, investing, credit management, and consumer rights. By the end of the course, students will develop the knowledge and skills necessary to make informed financial decisions and achieve financial literacy and independence.

### **Course Objectives:**

- Develop an understanding of economic principles and how they affect personal and societal financial decisions.
- Learn essential personal finance skills to manage budgeting, saving, investing, and credit management.
- Gain insight into how government intervention and global economics impact personal finance decisions.
- Understand the roles of consumers and producers in the marketplace and how those roles affect the economy.

### **Syllabus:**

Unit 1: Thinking Like an Economist

Unit 2: Wants and Needs

Unit 3: Cost Versus Benefit

Unit 4: Economic Systems

Unit 5: Characteristics and Applications of Economic Systems

Unit 6: Role of Consumers and Producers

Unit 7: Demand: The Consumer Rules

Unit 8: Supply: The Producer Rules

Unit 9: When Supply Meets Demand

Unit 10: Competition and the Marketplace

Unit 11: When Government Steps In

Unit 12: All about the Money

Unit 13: What To Do With All That Money

Unit 14: The Stock Market

Unit 15: Avoiding the Next Big Crash

Unit 16: Managing the Economy

Unit 17: Taxing and Spending

Unit 18: Economic Goals and the Business Cycle

Unit 19: Why We Trade



- Unit 20:** Global Economy
- Unit 21:** Exploring Earning Potential
- Unit 22:** Financing Your Future
- Unit 23:** Preparing for Work
- Unit 24:** Taxes
- Unit 25:** Mastering Comparison Shopping & Organizational Skills
- Unit 26:** The True Cost of Car Ownership
- Unit 27:** Money Matters: A Journey from Goals to Growth
- Unit 28:** Reconciling Bank Statements
- Unit 29:** Secured and Unsecured Loans
- Unit 30:** Inheritance, Estate Planning, and Net Worth Analysis
- Unit 31:** Finding Money to Save
- Unit 32:** Types of Savings Accounts
- Unit 33:** Using Credit Wisely
- Unit 34:** Managing Debt
- Unit 35:** Consumer Rights
- Unit 36:** Financial Freedom: The Strategy of Saving First

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Personal Finance

### **Course Description:**

This asynchronous course is designed to introduce students to the principles of personal finance and economics, helping them make informed financial decisions in their personal and professional lives. Through 18 units, students will explore topics ranging from budgeting and saving to managing credit and debt. By the end of the course, students will have a comprehensive understanding of financial services, taxes, earning potential, and economic principles that will empower them to take control of their financial future.

### **Course Objectives:**

- Develop an understanding of financial responsibility and the impact of personal finance decisions.
- Learn about different types of financial services and the role of mobile banking in modern finance.
- Understand the basics of earning potential, taxes, and the economy.
- Apply knowledge of savings, credit, and debt management to real-life scenarios.

### **Syllabus:**

**Unit 1:** Being Financially Responsible

**Unit 2:** Wants and Needs

**Unit 3:** Financial Services

**Unit 4:** Mobile Banking

**Unit 5:** Exploring Earning Potential

**Unit 6:** Financing Your Future

**Unit 7:** Preparing for Work

**Unit 8:** Taxes

**Unit 9:** Economics: Review Part A

**Unit 10:** Finding Money to Save

**Unit 11:** Types of Savings Accounts

**Unit 12:** Using Credit Wisely

**Unit 13:** Managing Debt

**Unit 14:** Making Major Financial Decisions

**Unit 15:** Consumer Rights

**Unit 16:** Growing Your Finances

**Unit 17:** Protecting Your Finances

**Unit 18:** Economics: Review Part B

### **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Fine Arts

# Art I

## **Course Description:**

Art I is an asynchronous course designed to introduce students to the fundamental concepts, techniques, and principles of visual arts. Through a series of structured units, students will explore various art forms, including drawing, painting, sculpture, digital art, and multimedia. The course aims to develop students' creative thinking, observational skills, and artistic expression while fostering an appreciation for art history, cultural influences, and ethical considerations in the visual arts. Additionally, students will explore potential career pathways in art and new media, culminating in the development of a digital art portfolio website.

## **Course Objectives:**

- Develop foundational skills in drawing, painting, sculpture, and digital media.
- Understand and apply the principles of design in various artistic mediums.
- Cultivate an appreciation for art history and its cultural influences.
- Create and present a personal digital art portfolio that demonstrates artistic growth.

## **Syllabus:**

Unit 1: Introduction to Visual Arts

Unit 2: The Elements of Art

Unit 3: Principles of Design

Unit 4: Drawing Basics

Unit 5: Understanding the Illusion of Space in Art

Unit 6: Drawing Basics – People

Unit 7: Observational Skills

Unit 8: The Creative Process

Unit 9: Research in Art

Unit 10: Unleashing Creativity

Unit 11: Two-Dimensional Art

Unit 12: 3-Dimensional Art

Unit 13: What is Media Art?

Unit 14: Digital Technology in Visual Arts

Unit 15: Interdisciplinary Relationships in Art

Unit 16: Personal Expression in Art

Unit 17: Personal Portfolios

Unit 18: Creative Foundations

Unit 19: Art Criticism and Aesthetics

Unit 20: Communication of Ideas and Visual Organization

Unit 21: Formulating Art Definitions

Unit 22: Art History

Unit 23: Cultural Influences on Art

Unit 24: Engaging Your Local Community Through Art

Unit 25: Ethics in Visual Arts  
Unit 26: Careers in Art  
Unit 27: Careers in New Media  
Unit 28: Careers in New Media - Digital Art  
Unit 29: Careers in New Media - Bio Art  
Unit 30: Careers in New Media – Animation  
Unit 31: Careers in New Media - Graphic Design  
Unit 32: The Role of Exhibition  
Unit 34: Digital Art Portfolio Website Project  
Unit 35: Visual Arts Reflections  
Unit 36: Visual Arts 1: Assessment

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## History of Jazz

### **Course Description:**

This asynchronous History of Jazz course explores the origins and evolution of jazz from its early beginnings to modern developments. The course is divided into 18 units, each focusing on a pivotal era, influential musicians, and important movements within jazz. Students will study the contributions of key figures such as Louis Armstrong, Duke Ellington, Miles Davis, and Wynton Marsalis, as well as the evolution of jazz from early jazz to bebop, free jazz, fusion, and beyond. Students will develop an understanding of the key music vocabulary and the rich cultural context that shaped jazz as a genre.

### **Course Objectives:**

- Develop an understanding of the origins and evolution of jazz music.
- Learn key music vocabulary and its application in understanding jazz.
- Analyze the influence of major jazz artists on the genre's development.
- Explore various jazz styles such as early jazz, bebop, cool jazz, free jazz, and jazz fusion.
- Cultivate an appreciation for jazz through listening, discussion, and creative activities.

### **Syllabus:**

Unit 1: Key Music Vocabulary

Unit 2: Early Jazz

Unit 3: Louis Armstrong

Unit 4: The Big Band (Swing) Era

Unit 5: Duke Ellington

Unit 6: BeBop

Unit 7: Dizzy Gillespie

Unit 8: Charlie Parker

Unit 9: Cool Jazz

Unit 10: Miles Davis

Unit 11: Free Jazz

Unit 12: John Coltrane

Unit 13: Jazz Fusion

Unit 14: Herbie Hancock

Unit 15: Modern Jazz and Other Developments

Unit 16: Wynton Marsalis

Unit 17: Trombone Shorty

Unit 18: Your Music!

### **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## History of Rock and Roll

### **Course Description:**

This asynchronous course explores the evolution of rock and roll from its roots in the 1950s to the present day. Students will delve into the key artists, genres, and cultural movements that have shaped rock and roll history. The course covers influential musicians like Elvis Presley, James Brown, Jimi Hendrix, and Kurt Cobain, and examines major sub-genres like rockabilly, Motown, grunge, and more. By exploring the key moments in rock history, students will gain a deeper understanding of how rock music has impacted culture and society.

### **Course Objectives:**

- Understand the origins and evolution of rock and roll music.
- Learn key music terminology and concepts in rock music.
- Study the contributions of legendary artists and their impact on rock music.
- Explore key rock sub-genres and their cultural significance.
- Cultivate an appreciation for the diversity within the rock and roll genre.

### **Syllabus:**

Unit 1: Key Music Vocabulary

Unit 2: The Building Blocks of Rock!

Unit 3: James Brown

Unit 4: Rockabilly

Unit 5: Elvis Presley

Unit 6: Motown

Unit 7: Stevie Wonder

Unit 8: More from the 60s! The British Invasion/Folk Rock/Psychedelic Rock

Unit 9: Bob Dylan

Unit 10: Jimi Hendrix

Unit 11: Music of the 1970s

Unit 12: Led Zeppelin

Unit 13: Music of the 1980s

Unit 14: Michael Jackson

Unit 15: Popular Music in the 1990s

Unit 16: Kurt Cobain

Unit 17: Popular Music in the 2000s and Music History Developments in the 2000s

Unit 18: Your Music!

### **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

## Renaissance Art

### **Course Description:**

This asynchronous course offers a detailed exploration of Renaissance art, focusing on the period from the early Renaissance to the Baroque, and how artists influenced the development of art, architecture, and culture. The course is divided into 18 units, each highlighting major Renaissance artists, their techniques, and the cultural context of their works. Students will study the artists' use of line, shape, form, color, and space while gaining insight into the materials and methods they used. Through this course, students will develop an appreciation for the lasting impact of the Renaissance on art and culture.

### **Course Objectives:**

- Gain a comprehensive understanding of the key artists and movements of the Renaissance.
- Explore how Renaissance artists used elements like line, shape, form, color, and space in their works.
- Learn about the architecture and art of Italy during the Renaissance period.
- Examine the cultural context of the Renaissance and its influence on the Baroque period.
- Develop skills in analyzing and interpreting visual art, focusing on artistic techniques and historical significance.
- Understand the lasting influence of Renaissance art on later art movements and artists.

### **Syllabus:**

Unit 1: The Renaissance

Unit 2: Art Before the Renaissance

Unit 3: Fra Angelico

Unit 4: The Renaissance Artists' Use of Line

Unit 5: Architecture of Italy

Unit 6: Botticelli

Unit 7: Michelangelo

Unit 8: The Renaissance Artists' Use of Shape

Unit 9: Basilicas and Cathedrals

Unit 10: Raphael

Unit 11: The Renaissance Artists' Use of Form

Unit 12: Leonardo da Vinci

Unit 13: The World of the Renaissance

Unit 14: Materials and Methods

Unit 15: The Renaissance Artist's Use of Color and Value

Unit 16: The Renaissance Artists' Use of Space

Unit 17: From the Renaissance: The Baroque

Unit 18: Artists Influenced by the Renaissance



**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# Computer Science

## Computer Science Foundations

### **Course Description:**

Computer Science Foundations is an asynchronous course designed to provide students with a broad understanding of computer science concepts, digital literacy, and ethical considerations in technology. Through a series of structured units, students will explore topics such as digital responsibility, online safety, information processing, operating systems, networking, and introductory coding principles. Additionally, students will engage in hands-on activities and projects to apply their knowledge and skills. The course aims to equip students with essential digital skills and foundational knowledge in computer science, preparing them for further study or careers in technology-related fields.

### **Course Objectives:**

- Develop an understanding of digital responsibility, online safety, and ethical use of technology.
- Gain foundational knowledge in computer science concepts, including information processing, networking, and operating systems.
- Explore introductory coding principles and apply them to real-world problems.
- Develop skills in researching and using information ethically in the context of the internet and digital tools.

### **Syllabus:**

Unit 1: Digital Responsibility  
Unit 2: Digital Literacy  
Unit 3: Digital Communications  
Unit 4: Cyberbullying  
Unit 5: Online Safety  
Unit 6: NOVA Cybersecurity Lab (Special Topic)  
Unit 7: Technology and Computers  
Unit 8: Information Processing  
Unit 9: Data Storage  
Unit 10: Operating Systems  
Unit 11: Network Computing  
Unit 12: Public and Home Internet Access  
Unit 13: Web Browsers  
Unit 14: Email  
Unit 15: Safe Computing  
Unit 16: Connecting a Home Computer  
Unit 17: Computer Troubleshooting  
Unit 18: Basic Data Cleaning in Python  
Unit 19: What is Coding?  
Unit 20: Careers and the Secret Life of Coding

Unit 21: The Programming Process  
Unit 22: Here We Go Loopty Loop  
Unit 23: In Any Event  
Unit 24: Calling All Operators  
Unit 25: Simple Algorithms to a Collection of Data  
Unit 26: The Internet and World Wide Web  
Unit 27: Understanding URLs  
Unit 28: Practice: Customizing a Browser  
Unit 29: Tools and Techniques to Find Information  
Unit 30: Making the Most of Your Search  
Unit 31: Advanced Search Techniques  
Unit 32: Practice: Bookmarking  
Unit 33: Examining Web Information  
Unit 34: Using Information Ethically  
Unit 35: Understanding Copyright  
Unit 36: Web Research: Assessment

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and quality of work submitted.

# **Family Life Education**

## Child Development

### **Course Description:**

This asynchronous Child Development course provides students with a comprehensive understanding of human development from pregnancy to childhood. Students will explore the physical, emotional, social, intellectual, and moral development of children, examining how these factors influence overall well-being. Through reading assignments, discussions, and quizzes, students will develop an understanding of child-rearing practices, developmental theories, and the role of caregivers.

### **Course Objectives:**

- Understand the physical, emotional, social, intellectual, and moral development of children at various stages.
- Learn the roles of parents and caregivers in child development.
- Explore developmental theories and apply them to child-rearing practices.
- Examine the impact of play and environment on child development.

### **Units:**

1. Learning About Children – An Overview
2. Parenthood
3. Pregnancy, Prenatal Development, and Care
4. Preparing for Baby
5. The Baby's Arrival
6. The First Year – Physical Development and Care
7. The First Year – Emotional, Social, Intellectual, and Moral Development
8. Toddlers – Physical Development
9. Toddlers – Emotional, Social, Intellectual, and Moral Development
10. Preschoolers – Physical, Intellectual, Emotional, Social, and Moral Development
11. The Importance of Play
12. Healthy Environments Where Children Thrive
13. Learning and Child Development Theorists
14. Child Care Opportunities
15. Home Safety Issues
16. Safety In The Child's World Away From Home
17. Children With Special Needs
18. Final Exam

### **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and the quality of work submitted.

# Human Development

## **Course Description:**

This asynchronous course covers the key stages of human development from prenatal stages to late adulthood. Students will study physical, cognitive, emotional, and social changes at each stage, focusing on major developmental theories, including Erikson's psychosocial theory. This course aims to help students gain a deeper understanding of factors influencing growth and behavior across the lifespan.

## **Course Objectives:**

- Understand the stages of human development from prenatal stages to late adulthood.
- Analyze physical, cognitive, emotional, and social changes at each life stage.
- Examine the impact of environmental factors and risks on development.
- Apply developmental theories, including Erikson's psychosocial theory.

## **Units:**

1. Introduction to Human Development
2. Understanding Prenatal Development
3. Risk to Prenatal Development
4. Understanding Infancy
5. Emotional and Social Development During Infancy
6. Understanding Early Childhood
7. Emotional and Social Development During Early Childhood
8. Understanding Middle Childhood
9. Emotional and Social Development During Middle Childhood
10. Physical Development During Adolescence
11. Cognitive Development During Adolescence
12. Emotional and Social Development During Adolescence
13. Understanding Early Adulthood
14. Emotional and Social Development During Early Adulthood
15. Understanding Middle Adulthood
16. Understanding Late Adulthood
17. Erikson Psychosocial Theory
18. Human Growth & Development - Exam

## **Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and the quality of work submitted.

## Personal Development

### **Course Description:**

This asynchronous course teaches the essentials of internet safety, digital literacy, and responsible online behavior. Students will study key concepts such as online security, risks, netiquette, privacy protection, and develop critical thinking skills for navigating digital information. By the end of the course, students will have a comprehensive understanding of how to stay safe and communicate responsibly in the digital world.

### **Course Objectives:**

- Develop a foundational understanding of internet security and online safety.
- Enhance the ability to interpret and assess digital information and media.
- Apply critical thinking skills to assess the relevance and reliability of digital content.
- Understand the importance of privacy protection and identity safety online.

### **Units:**

1. Getting Started
2. Security
3. Netiquette
4. Risks I
5. Risks II
6. Social Media
7. Digital Information
8. Protecting Your Identity on Social Media
9. Assessment: Internet Use and Safety
10. Main Idea and Details
11. Relevant and Irrelevant Details
12. Context Clues
13. Word Parts and Diction
14. Specialized Language
15. Applying Instructions
16. Applying Information
17. Communication
18. Assessment: Reading for Information
19. Navigating the Data of Everyday Life
20. Inspecting Information
21. Pulling It Together
22. Am I on the Right Track?
23. Working It Out
24. The Choice is Yours
25. Data in My Day



26. Interpreting Charts, Tables, and Graphs
27. Assessment: Locating Information
28. Your Physical Health
29. Healthy Habits
30. Your Mental Wellness
31. Safety Laws and Organizations
32. First Aid - I
33. First Aid - II
34. Preventative Safety in the Workplace - I
35. Preventative Safety in the Workplace - II
36. Assessment: Understanding Health, Wellness, and Safety

**Assessment and Grading:**

Students will be assessed through quizzes, written assignments, and a final project for each unit. Grades will be based on timely completion and the quality of work submitted.



If you have any questions regarding our course catalog,  
please don't hesitate to reach out to us via email at  
***[vla@jcesc.org](mailto:vla@jcesc.org)***.

We're here to help!

