



Scope & Sequence

This course catalog was developed to provide you with an overview of the coursework that your middle school student will complete while participating in the Sacred Journey Academy/Portals program. There are multiple courses in each disciplinary area. Bible, History, Literature, and English are all designed to work in concert with one another, reinforcing learning across subject areas. Math levels are based on an individual student's placement upon entering the program, and should be selected according to each student's developmental level.

In the following pages, you will find more detailed descriptions of each course at SJA. The footer at the bottom will indicate if Portals or SJA is providing the curriculum for that particular course. In addition to the table below, SJA also offers Foreign Language, Keyboarding, Life Skills, and Physical Education courses. Following our 4:1 school week, our Xperience list, found at the end of this collection, highlights the In and Out Xperiences SJA has participated in for the indicated school year.

	Thinkers (Middle School)		
	School Year (Y1) 2023, 2026, 2029	School Year (Y2) 2024, 2027, 2030	School Year (Y3) 2025, 2028, 2031
Bible	Biblical Timeline Overview	Introduction to the Old Testament	Old Testament Worship
History & Civics	American History	Ancient World History	Mid and Modern History
Literature	Read Alouds and Readers	Read Alouds and Readers	Read Alouds and Readers
English	IEW US History Based Writing & Fix It! Grammar 1	IEW Medieval Based Writing & Fix It! Grammar 2	Novel in a Year
Science	Botany	General Science	Astronomy
Math	Sixth Grade - Zeta	Seventh Grade - Pre-Algebra	Eighth Grade - Algebra I

Course Description:

This two-semester sequence is a Biblical Timeline Overview. Starting in Genesis, students will follow the events of the bible in chronological order from Creation to the cross. Connecting the Old with the New Testament, this overview will follow the genealogy of Jesus, setting students up for studying the whole bible.

Concepts Covered:

Adam, Seth, Noah, Shem, Abraham, Isaac, Jacob, Judah, Perez, Salmon
Boaz, Obed, Jesse, David, Nathan, Judah, Levi, Joseph, Jesus

Texts:

The Bible (NIV or ESV)

Course Description:

This two semester sequence is the first round through the Old Testament, covering Genesis, Exodus, Numbers, Joshua, Judges, Ruth, 1 and 2 Samuel, 1 and 2 Kings, and Jonah. Topics covered include creation, sin, promises, covenants, slavery, rebellions, judges, kingdoms, prophets and deliverance. Students explore the origin of life and creation; the reason for evil in the world; God's faithfulness despite rebellion; the consequences of sin; and the promise of redemption. Projects include invitations to pray, opportunities to serve, strategies for study, and ideas for application. Bible readings are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Concepts Covered:

Genesis – Creation, Fall, Flood, Languages, Covenants, Promises, Patriarchs, Joseph

Exodus – Slavery, Plagues, Red Sea Crossing, Wilderness, Sinai, Law

Numbers – Spies, Rebellions, Priests, Attacks, Balaam

Joshua – Rahab, Crossing the Jordan, Jericho, Conquest, Dividing the Land

Judges – Deborah, Gideon, Jotham, Jephthah, Samson, Crimes and Consequences

Ruth – Naomi, Boaz, Redemption

Texts:

- **The Bible** (NIV or ESV)
- Girls Study: **Get out of your Head** by Jennie Allen
- Girls Study: **Matchless** by Angie Smith
- Boys Study: **Disciplines of a Godly Man** by R. Kent Hughes
- Group Study: **Experiencing God** by Mike and Daniel Blackaby

Course Description:

This two-semester sequence is the second round through the Old Testament, covering Leviticus, 1 & 2 Chronicles, Psalms, Daniel, Song of Songs, and Ezra. Topics covered include Law, Worship, history, poetry and song, prophetic voice, marriage and family, and calling towards work and professional life. Projects include invitations to pray, opportunities to serve, strategies for study, and ideas for application. Bible readings are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Concepts Covered:

Leviticus – Mosaic Law and foundations of legal codes, worship, and religious practice.

1 & 2 Chronicles – History of Judah

Psalms – Poetry, Prophetic voice, wellbeing, coping, and wellness.

Daniel – Historical review of the Babylonian era, prophetic voice, dreams, and integrity.

Song of Songs – Biblical courtship, marriage, sex education, and poetry.

Ezra – Taking on projects, calling, and working with others

Texts:

- The Bible (NIV or ESV)
- The Jesus I Never Knew
- God's Will, God's Best for Your Life

History: American History

Course Description:

The "America the Beautiful" Part 1 course covers American history from pre-European settlement to the first years after the Civil War. It includes biographies of presidents from George Washington to Ulysses S. Grant and incorporates primary source reading, map work, vocabulary, and creative writing. The course is divided into 75 lessons in 15 Units, and offers a unit study approach with the flexibility of a textbook.

The "America the Beautiful" Part 2 course is a one-year American history, geography, and literature course for grades 5-8. It's divided into 75 lessons in 15 Units, focusing on American expansion westward and continuing through modern times. The course includes multiple components like two textbooks, a map book, a timeline book, and a collection of primary source documents called "We the People".

Unit 1 - America before 1492

Unit 2 - Explorers and Settlers Come to America

Unit 3 - Thirteen English Colonies Part 1

Unit 4 - Thirteen English Colonies Part 2

Unit 5 - Trouble Brews Between Great Britain and the Thirteen Colonies

Unit 6 - The American Revolution

Unit 7 - A New Nation and a New Frontier

Unit 8 - Americans Explore the West of the Mississippi River

Unit 9 - The First Decades of the 1800s

Unit 10 - America the Jacksonian Era

Unit 11 - New Ways to Travel and to Communicate

Unit 12 - A belief in "Manifest Destiny"

Unit 13 - The Turbulent 1850s

Unit 14 - A Nation Divided

Unit 15 - America Begins to Heal After the Civil War

Unit 16 - Small Homesteads and Big Businesses

Unit 17 - Welcoming New Americans

Unit 18 - America Enters a New Century

Unit 19 - Americans Go "Over There"

Unit 20 - The Roaring Twenties

Unit 21 - The Great Depression

Unit 22 - Every Citizen a Soldier

Unit 23 - America Recovers and Moves Forward

Unit 24 - The Eisenhower Years

Unit 25 - The Sixties

Unit 26 - To the Moon!

Unit 27 - The Reagan-Bush Era

Unit 28 - The End of the Century

Unit 29 - The New Millennium

Unit 30 - E Pluribus Unum

Projects:

- Iroquois Long House
- Design a Stamp
- Write Your Own History Book
- Build the Alamo

Texts:

- **America the Beautiful Part 1 1000-1877 - Units 1-15**
- **America the Beautiful Part 2 Late 1800-Present - Units 16-30**

[Siege Project](#)

[World Timeline](#)

[Turning Point Essay](#)

History: Ancient World History

Course Description:

This two semester sequence is a literature-based approach to world history from ancient history through the 16th century. Topics covered include ancient civilizations including nomadic pre-history, Egypt, Sumer, Israel, Babel, Assyria, China, Africa, Phoenicians, Babylon, Crete, Mycenaens, Persia, Greece, Americas, Rise of Rome, Aryans, Mauryans, Pax Romana, Christ, Fall of Rome, Britannia, Byzantium, India, Islam, Maori, Franks, Jihad, Charlemagne, Norse, England, Knights, Japan, Crusades, Diaspora, Mongols, Russia, Ottomans, Plague, Wars of Europe, Catholicism, Ghana/Mali, Moghuls, Exploration, Mayan/Incan, Martin Luther, Renaissance, Reformation, and Science. Students explore the differences in religious belief, culture, social structure, economy, technology across the ancient world and some of the major changes and developments that occurred. This course uses a number of texts that provide a Christian perspective on historical events. Books are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Featured Projects:

- Baked Falafels
- Frescoes Painting
- Roman Road Building
- Papyrus Paper Making and Writing Scripture in Greek and Hebrew Point Essay
- Indus Valley Carve Drawings for Stamping
- Mud Brick and Mortar
- Mock Ming Pottery
- Mummification
- Nile River Flooding Diorama
- Build a Castle
- Viking Drawings

Texts:

- **Story of the World: Ancient Times** - 7000 BC - 476 AD
- **Story of the World: The Middle Ages** - 400 to 1600 AD
- **The Mission to Cathay**

Course Description:

This two semester sequence is a literature-based approach to world history from ancient history through the 16th century. Topics covered include world development from the Reformation to Modern eras: Colonization, Exploration, Global Slave Trade, Abolition, Ottomans, China, India, Liberty Revolutions, Industrialization, Napoleonic Era, Imperialism, Victorian Age, Modernization, East India Trading, Missions, Terraforming, Republics, Puppet States, Stock Markets, Boxer Rebellion, Balkan States, WWI, Communism, Fascism, Socialism, WWII, Nuclear Age, Cold War, Space Age, Cultural Wars, Global Rights, Terrorism, Gulf Wars, and Current Events. Students explore the differences in religious belief, culture, social structure, economy, technology across the modern world and some of the major changes and developments that occurred. This course uses a number of texts that provide a Christian perspective on historical events. Books are supplemented with digital resources that allow for further exploration. Grading is based on understanding as demonstrated in discussions, written assignments and project artifacts.

Texts:

- **Story of the World: Volumes III and IV** - Reformation to Modern Age
- **The Hiding Place**
- **Common Sense** - Political discourse of Liberty Revolutions
- **George Mueller** - Missionary biography
- **God's Smuggler** - Missionary biography
- **Cross and the Switchblade** - Missionary biography

Course Description:

This two-semester sequence uses great literature to connect students with history, build on timeless themes, and expose them to quality writing. Students learn to think about the foundational truths of the past and apply them to their lives today. The literature is sequenced to complement the American History course and provide stories and examples set within those people groups studied. This allows for interdisciplinary lesson design and thematic modules. The books are supplemented with digital resources that allow for further exploration. Grading is based on understanding demonstrated in discussions, written assignments, and project artifacts.

Texts:

- **The Landing of the Pilgrims** - Early 17th-century England and America
- **The Sherwood Ring** - 1775-1783, American Revolution
- **Johnny Tremain** - 1773-1775, just before the American Revolutionary War
- **The Arrow Over the Door** - 1777, American Revolution
- **Traitor** - 1775-1783, American Revolution
- **Bonanza Girl** - 1962, American West during the mid-19th century
- **Streams to the River, River to the Sea** - Early 1800s
- **The Great Little Madison** - Late 18th and early 19th centuries, Early American Politics
- **Moonshiner's Son** - 1920 to 1933, Prohibition Era America
- **Nothing to Fear** - 1932, Great Depression
- **The Adventures of Tom Sawyer** - 1840s, Pre-Civil War South

Course Description:

This two semester sequence uses great literature to connect students with history, build on timeless themes, and expose them to quality writing. Students learn to think about the foundational truths of the past and apply them to their lives today. The literature is sequenced to complement the Ancient World History course and provide stories and examples set within those people groups studied. This allows for interdisciplinary lesson design and thematic modules. The books are supplemented with digital resources that allow for further exploration. Grading is based on understanding demonstrated in discussions, written assignments and project artifacts.

Texts:

- **A Wrinkle in Time** - Early 1960s Earth, Other dimensions, and planets
- **Bruchko** - 1960s and 1970s, Colombia, Motilone people
- **Flame Over Tara** - Ancient Ireland
- **Eagle of the Ninth** - Roman Britain
- **The Golden Goblet** - 1353 to 1336 BC, Ancient Egypt, Reign of Pharaoh Akhenaten

Course Description:

This two semester sequence uses great literature to connect students with history, build on timeless themes, and expose them to quality writing. Students learn to think about the foundational truths of the past and apply them to their lives today. The literature is sequenced to complement the Modern World History course and provide stories and examples set within those people groups studied. This allows for interdisciplinary lesson design and thematic modules. The books are supplemented with digital resources that allow for further exploration. Grading is based on understanding demonstrated in discussions, written assignments and project artifacts.

Texts:

- **A Murder for Her Majesty** - Elizabeth I, England
- **Around the World in Eighty Days** - World
- **The Great Trouble** - UK
- **Breaking Stalin's Nose** - USSR
- **Escape Across the Wide Sea** - France
- **Mary, Bloody Mary** - Carolyn Meyer
- **Nory Ryan's Song** - Irish
- **Snow Treasure** - WWII
- **Born in the Year of Courage**
- **Teresa of Calcutta**

Course Description:

Students will improve their knowledge of US History while learning to write with structure and style.

This theme-based writing curriculum offers a full year of instruction for students in grades 6–9. Working through all of IEW's Units 1–9, students learn to take notes, retell narrative stories, summarize references, write from pictures, compose essays, and more. Includes vocabulary cards, literature suggestions, and access to helpful PDF downloads.

Concepts Covered:

Unit 1 – Introduction to Structure and Style

- Native Americans Meet Christopher Columbus

Unit 2 – -ly Adverb and who/which clause

- Spanish Explorers Arrive in America
- Englishmen Arrive in America
- The Mayflower Mishap

Unit 3 – Strong verbs and banned words

- The Boston Massacre
- The Boston Tea Party
- The Shot Heard Round the World

Unit 4 – Quality Adjective and banned words

- Benjamin Franklin
- George Washington
- Thomas Jefferson
- The Louisiana Purchase

Unit 5 – #2 Prepositional opener

- The Westward Movement
- The Underground Railroad
- The Civil War

Unit 6 – #3 -ly Adverb opener

- Oklahoma Land Rush of 1889
- Transportation Milestones Part 1
- Transportation Milestones Part 2
- The Sinking of the Lusitania

Unit 7 – #5 clausal opener

- Hopes and Dreams, Part 1
- Hopes and Dreams, Part 1
- The American Flag

Unit 8 – #1 Subject Opener

- Transportation Milestones Part 3
- A Prominent American, Part 1
- A Prominent American, Part 2

Unit 9 – #4 -ing opener

- Davy Crockett, Part 1
- Davy Crockett, Part 2
- Character Analysis: John Henry

Texts:

IEW: US History–Based Writing Lessons

Course Description:

From the Anglo-Saxons to the Renaissance, from chivalrous knights to Genghis Khan, students will improve their knowledge of medieval times while learning to write with structure and style.

This theme-based writing curriculum offers a full year of instruction for students in grades 6–9. Working through all of IEW's Units 1–9, students learn to take notes, retell narrative stories, summarize references, write from pictures, compose essays, and more. Includes vocabulary cards, literature suggestions, and access to helpful PDF downloads.

Concepts Covered:

Unit 1 – Introduction to Structure and Style

- The Middle Ages

Unit 2 – -ly Adverb and who/which clause

- Anglo-Saxons
- Monasteries
- Justinian the Great

Unit 3 – Strong verbs and banned words

- Beowulf
- The Archbishop of Canterbury
- Mohammed
- The Sword in the Stone

Unit 4 – Quality Adjective and banned words

- Charlemagne
- Vikings
- Alfred the Great
- The Battle of Hastings

Unit 5 – #2 Prepositional opener

- The Samurai and the Dragon
- Llama Saves the Day
- The Magic Lamp

Unit 6 – #3 -ly Adverb opener

- Medieval Cathedrals fused outlines
- Knights Part 1
- Knights Part 2 – Bibliography
- King Richard

Unit 7 – #5 clausal opener

- Favorite Amusements, Part 1
- Favorite Amusements, Part 2
- Descriptive Time Travel Diary

Unit 8 – #1 Subject Opener

- Knights, Part 3
- The Renaissance, Part 1
- The Renaissance, Part 2

Unit 9 – #4 -ing opener

- Genghis Khan and His Hawk, Part 1
- Genghis Khan and His Hawk, Part 2
- Character Analysis “Seven in One Blow”

Texts:

IEW: Medieval History–Based Writing Lessons

Course Description:

Fix It!® Grammar: Level 1 Nose Tree offers students a gentle introduction to the fundamentals of grammar. Students read about three brave soldiers, a whimsical dwarf, and a cunning princess in an adventure, where each daily passage reveals a new portion of the tale. As students hunt for and correct errors, they learn the basic parts of speech, end-mark punctuation, phrases, clauses, and homophones. No prior grammar knowledge is needed.

Concepts Covered:

Unit 1 – Editing Marks, Capitalization, Title , Indentation, Noun

Unit 2 – Pronoun

Unit 3 – Preposition

Unit 4– Subject-Verb Pair, Verb, Linking verb, Helping verb

Unit 5 – Conjunction, Coordinating Conjunction, Dependent Clause

Unit 6 – Adjective

Unit 7 – Interjection, Quotation

Unit 8 – Number Words and Numerals

Unit 9 – Adverb

Unit 10 – Apostrophes

Unit 11 – www Word

Unit 12 – Sentence Openers

Unit 13 – Prepositional Phrase

Unit 14 – #3 -ly Adverb Opener

Texts:

- Fix It! Grammar: Level 1 The Nose Tree

Course Description:

Fix It!® Grammar: Level 2 Town Mouse and Country Mouse builds on concepts taught in Level 1. Students follow the adventures of a curious town mouse and his country cousin as they explore each other's worlds, revealing new portions of the tale in daily passages. As students hunt for and correct errors, they learn parts of speech, basic comma and capitalization rules, complex sentence patterns, and more.

Concepts Covered:

Unit 1 – Editing Marks, Capitalization, Title , Indentation, Noun

Unit 2 – Pronoun

Unit 3 – Preposition

Unit 4– Subject-Verb Pair, Verb, Linking verb, Helping verb

Unit 5 – Conjunction, Coordinating Conjunction, Dependent Clause

Unit 6 – Adjective

Unit 7 – Interjection, Quotation

Unit 8 – Number Words and Numerals

Unit 9 – Adverb

Unit 10 – Apostrophes

Unit 11 – www Word

Unit 12 – Sentence Openers

Unit 13 – Prepositional Phrase

Unit 14 – #3 -ly Adverb Opener

Texts:

- Fix It! Grammar: Level 2 Town Mouse and Country Mouse

Course Description:

Throughout the course of the year, learners will develop, design, and write a novel. The level and depth of the novel will vary based on the developmental level of the writer and the expectations they have for the story and audience. The course is designed to introduce writers to a larger project and mapping over the course of a school year toward completion. Each module covers a different stage of the writing process and guides the writer from beginning to publication. Grading is based on writing, project management, consistency, and the completion of a novel.

Concepts Covered:

Module 1 – The Hero’s Journey

Module 2 – Building a Story Outline

Module 3 – Building Protagonists and Antagonists

Module 4 – Refining the Story Outline

Module 5 – Writing for the Reader

Module 6 – Advancing a Subplot and Weaving Elements

Module 7 – Rising Tension, Climax, and Resolution

Module 8 – Test Readers, Editing, and Revisions

Module 9 – Preparation for Publication

Texts:

- Select examples and readings will be provided as links directly in the daily lesson plans

Course Description:

This two-semester sequence is designed for elementary students using the Charlotte Mason method. Topics covered include nature journaling, the science of botany, seeded and seedless plants, grouping plants, seeds and germination, angiosperms – flowering plants, flower families, pollination, seeds, fruits and vegetables, leaves, photosynthesis, transpiration, roots and root systems, stems, gardening, trees, gymnosperms, seedless & vascular plants, and mycology. The course includes over 75 possible activities, including building (and harvesting) a raised garden, making a tree field guide, building a light hut, growing edible mushrooms, and building a lichenometer.

Unit Outline:

- **Module 1** – Nature Journaling, Science of Botany, Vascular System, Seedless Plants
- **Module 2** – Sleeping Seeds, Testae, Anatomy of a Seed, Germination
- **Module 3** – Flowering Plants, Flower Families
- **Module 4** – Pollination, Bees, Other Insects, Pollinators, Pollinated Flower
- **Module 5** – Flower's Fruit, Fruits and Veggies, Fruit Kinds, Dry Fruit, Seed Scattering
- **Module 6** – Leaf Mouths, Making Food, Photosynthesis, Sunshine Energy, Transpiration, Falling Leaves, Anatomy of a Leaf, Simple and Compound Leaves, Leaf Arrangement, Leaf Venation, Leaf Shapes, Leaf Margins
- **Module 7** – Good Soil, Nutritious Soil, Root Hairs, Root Growth, Preventing Erosion, Floating Roots, Geotropism, Root Systems, Geophytes, Rooting
- **Module 8** – Plant Structure, Succulent Plants, Auxins, Phototropism
- **Module 9** – Edible Garden, Gardening, Soil, Planting, Seedlings, Irrigation, Maintaining
- **Module 10** – Trees, Animal Shelter, Seed Making, Growth and Anatomy, Trunks
- **Module 11** – Uncovered Seeds, Conifers, Cycads, Ginkgo Biloba, Forests, Forest Fires
- **Module 12** – Sporangium, Fern Anatomy and Lifecycle, Pteridomania, Type of Ferns
- **Module 13** – Bryophytes, Mosses, Liverworts, Lichens
- **Module 14** – Fungi, Consumers, Yeasts, Molds, Mushrooms, Spores, Saprotrophs, Fairy Rings, Parasitic, Mycorrhizal

Texts:

- Apologia: Exploring Creation with Botany

Course Description:

In Apologia's *Exploring Creation with General Science*, 3rd Edition, students will understand the world surrounding them so they can appreciate the real-world relevance of scientific inquiry and the beauty of Creation.

This is a true General Science course covering a variety of branches of science, including astronomy, meteorology, oceanography, earth study, geology, paleontology, and environmental science modules, giving students a solid foundation in that broad field of study.

Students will:

- Learn how to utilize the proper scientific method in a detailed and engaging way
- Record data and report it
- Read, create, and utilize several types of graphs—a skill that is found in SAT and ACT exams
- Read about the history of great, Godly scientists
- Complete a final, hands-on project as the culmination of the course

Unit Outline:

Module 1 - The History of Science - Search for the Truth Egypt, Greek, Alchemy, Medieval cultures, Dark age, Renaissance, Newton, Enlightenment and Industrial Revolution, Modern Science

Module 2 - Scientific inquiry and the Scientific Method - Wrong Science, Experiments, The Scientific Method, Limitations of Science, Science and Christianity

Module 3 - Documenting and Interpreting Experimental Results Experiments and Variables, Recording Data, Interpreting results, Graphs in Data analysis

Module 4 - Scientific Analysis and History Archaeology, Historical records, Internal test and the Bible, External Test and the Bible, Age and Radiometric Dating

Module 5 - Earth Science - Astronomy Sun, Moon, planets comets, stars, eclipses

Unit Outline Cont:

Module 6 - Earth Science - Geology and Paleontology Structure of the Earth, Crust, Mantle, Core, Soil, rocks and minerals, weathering erosion, sedimentation, fossils formation Paleontology Perspectives

Module 7 - Earth Sciences - Meteorology and Oceanography What causes weather, Clouds, storms, pressure, humidity, climate, ocean motion, waves and tides

Module 8 - General Chemistry Matter, atoms, elements, bonds, chemical reactions, molecules, crystals, polymers and plastics, acids and bases

Module 9 - Physics Motion, Forces, Newton's Laws, Energy, Speed, Direction, Velocity, Gravity, Acceleration, Magnets, Simple Machines, Waves and Sound

Module 10 - Life Science DNA and Life, Energy and Life, Growth and Life, Biological Classification, Domains, Taxonomy

Module 11 - General Biology Molecular Biology and Biochemistry, Cells, Microbiology, Parasitology Immunology, Botany and plant structures, Anatomy, Physiology, Zoology Genetics, Evolutionary Biology

Module 12 - Marine Science The Oceans, Tiny Ocean Organisms, Algae, Plankton, Ocean Invertebrates, Sponges, Jellyfish, Anemones, Corals, Armored Ocean Invertebrates, Mollusks, Arthropods, Echinoderms, Non-Bony Fishes, Sharks, Rays, Reptiles and Birds, Marine Mammals, Marine Environments

Module 13 - Environmental Science Ecosystem Influences, Food Relationships, Composting, Food Chains and Food Webs, Symbiosis, Ecological Cycles, Organization in Ecology, Tundra, Tropical Rainforest, Temperate Grassland, Ecological Succession, man in the Environment.

Module 14 - Science and Creation Rube Goldberg Machine Experiments for Modules 1-13

Texts:

- Apologia: Exploring Creation with General Science

Experiments:

- Density in Nature
- A Chemical Reaction
- A Mechanical Hand
- How Weight Affects the Speed Objects Fall
- Surface Tension of Water
- Density and a Floating Egg
- Exploring a Flame's Oxygen Use
- Exploring Friction
- Building an Electric Circuit
- Wavelength, Frequency, and Sound
- Growing Bread Mold
- Growing a Yeast Culture
- Hatching Chicken Eggs
- How long until it's gone?
- Composting
- Astronomy Chalk Drawings
- Layers of Earth Models
- Separation of Sedimentation
- Create a Fossil Cast
- Build Your Own Barometer
- Exploring Opposite Charges
- Exposing Elements to Fire
- Separating a Mixture of Sand and Salt
- Observing Common Crystals
- Baking with Polymers
- Acid or Base?
- Seeing Sound Waves
- Gatorade Gravity Machine
- Balloon Rockets
- Cup Flyers
- Building DNA Models
- DNA Profiling
- Observing Electrical Charges
- The Effect a Burning Candle Has on Air
- Infographics
- Dendrochronology
- Exploring Orbits
- Finding Food in Plants
- Cell Model Project
- Taxonomy
- Edible Ocean Layers
- Estimating Population Size
- Egg Dissection
- Invent an Invertebrate
- Rube Goldberg Machines

Course Description:

This curriculum is tailored for students utilizing Apologia's *Exploring Creation with Astronomy* 2nd Edition by Jeannie Fulbright. This astronomy course unveils the awe-inspiring aspects of our solar system, the stars, and even black holes, showcasing the wonders and power of our loving Creator. Portals integrates supplemental resources and enrichment activities to enhance the learning experience.

Unit Outline:

Module 1 - Introduction, sky, stars, planets, navigation, solar system

Module 2 - The sun, stars, size, distance, brilliance, heat, revolve and rotate, flares

Module 3 - Mercury

Module 4 - Venus

Module 5 - Earth, tilt, seasons, balance

Module 6 - The moon, reflection, eclipses, gravity, travel

Module 7 - Mars

Module 8 - Space rocks, comets, meteors, asteroids

Module 9 - Jupiter

Module 10 - Saturn

Module 11 - Uranus

Module 12 - Neptune

Module 13 - Kuiper belt, dwarf planets, Ceres, Pluto, Eris, Makemake, Haumea

Module 14 - Stars, galaxies, black holes, supernovas, constellations, history of space travel, NASA, current events

Texts:

- Apologia: Exploring Creation with Astronomy

Course Description:

This is an approximately 30 week course using Math U See text Zeta. Supplemental resources and enrichment activities are integrated by Portals Academy. Assessment for this course is based on chapter tests. Math U See Description: "Zeta extends the student's concept of place value to the right of the decimal point. Students learn to complete core operations with decimals. The connection between fractions and decimals is presented."

Unit Outline:

Lesson 1 - Exponents

Lesson 2 - Place Value

Lesson 3 - Decimal Numbers

Lesson 4 - Add Decimals

Lesson 5 - Subtract Decimals

Lesson 6 - Metric, Greek Prefix

Lesson 7 - Metric, Latin Prefix

Lesson 8 - Metric Conversions 1

Lesson 9 - Multiply by Tenths

Lesson 10 - Multiply by Hundredths

Lesson 11 - Finding a Percentage

Lesson 12 - Finding a Percentage >100%

Lesson 13 - Percentages - Pie Graph

Lesson 14 - Multiply Decimals

Lesson 15 - Metric Conversions 2

Lesson 16 - Area of a Circle

Lesson 17 - Decimal Divided Number

Lesson 18 - Number Divided Decimal

Lesson 19 - Solve Unknown

Lesson 20 - Decimal Divided Decimal

Lesson 21 - Decimal Divided Decimal

Lesson 22 - Solve Unknown 2

Lesson 23 - Convert Any Fraction

Lesson 24 - Decimals, Rational

Lesson 25 - Mean, Median, Mode

Lesson 26 - Probability

Lesson 27 - Points, Lines, Rays

Lesson 28 - Planes, Symbols

Lesson 29 - Angles

Lesson 30 - Types of Angles

Texts:

Math-U-See Zeta Universal Set

Course Description:

This is an approximately 30 week course using Math-U-See Pre-Algebra text. Supplemental resources and enrichment activities are integrated by Portals Academy. Assessment for this course is based on chapter tests. Math U See Description: "Pre-Algebra teaches basic rules of solving equations using the associative, commutative, and other properties. Simple operations with polynomials are demonstrated with place-value blocks for conceptual understanding before being taught conventionally. Geometry concepts include surface area, volume, and the Pythagorean theorem."

Unit Outline:

Lesson 1 - Negative Numbers, Addition

Lesson 2 - Negative Numbers, Subtraction

Lesson 3 - Negative Numbers, Multiplication

Lesson 4 - Negative Numbers, Division

Lesson 5 - Exponents

Lesson 6 - Place Value

Lesson 7 - Negative Numbers with Exponents

Lesson 8 - Roots and Radicals

Lesson 9 - Unknowns, Additive Inverse

Lesson 10 - Pythagorean Theorem

Lesson 11 - Associative and Commutative

Lesson 12 - Distributive Property

Lesson 13 - Solve, Multiplication Inverse

Lesson 14 - Solve, Order of Operations

Lesson 15 - Surface Area of Solids

Lesson 16 - Linear Measure with Mixed Numbers

Lesson 17 - Convert Fahrenheit to Celsius

Lesson 18 - Absolute Value

Lesson 19 - Ratio and Proportion

Lesson 20 - Similar Polygons

Lesson 21 - Least Common Multiple

Lesson 22 - Greatest Common Factor

Lesson 23 - Polynomials, Addition

Lesson 24 - Volume of a Cylinder

Lesson 25 - Polynomials, Multiplication

Lesson 26 - Adding and Subtracting Time

Lesson 27 - Volume of a Pyramid and a Cone

Lesson 28 - Military Time, Addition and Sub.

Lesson 29 - Measurement, Addition, and Sub.

Lesson 30 - Irrational Numbers

Texts:

- Math-U-See Pre-Algebra Universal Set

Course Description:

This is an approximately 30 week course using Math-U-See Pre-Algebra text. Supplemental resources and enrichment activities are integrated by Portals Academy. Assessment for this course is based on chapter tests. Math U See Description: "Algebra I: Principles of Secondary Mathematics challenges students to continue building in-depth knowledge in preparation for a more advanced study of math. Core algebraic topics and objectives are presented and addressed as students become fluent in mathematical language, problem styles, and problem-solving and reasoning skills."

Unit Outline:

Lesson 1 - Commutative/Associative Properties

Lesson 2 - Order of Operations/Absolute Value

Lesson 3 - Solve for Unknown w/ One Variable

Lesson 4 - Distributive Property

Lesson 5 - Number Lines/Cartesian Coordinates

Lesson 6 - Graphing a Line

Lesson 7 - Slope-Intercept Formula

Lesson 8 - Graphing a Line

Lesson 9 - Graphing Parallel Lines

Lesson 10 - Graphing Perpendicular Lines

Lesson 11 - Finding Slope-Intercept Formula

Lesson 12 - Graphing Inequalities

Lesson 13-15 - Solving Simultaneous Equations

Lesson 16 - Coin Problems

Lesson 17 - Consecutive Integers

Lesson 18 - Multiplication/Division

Lesson 19 - Exponents

Lesson 20 - Addition/Multiplication of Polynomials

Lesson 21 - Factor Polynomials

Lesson 22 - Factoring Trinomials w/ Coefficients

Lesson 23 - Factoring Trinomials

Lesson 24 - Square Roots/Dividing Polynomials

Lesson 25 - Difference of Two Squares

Lesson 26 - Repeated Factoring of Polynomials

Lesson 27 - Solving Equations with Factoring

Lesson 28 - Unit Multipliers

Lesson 29 - Square Unit Multipliers

Lesson 30 - Metric Conversions

Lesson 31 - Fractional Exponents

Lesson 32 - Significant Digits/Scientific Notation

Lesson 33 - Bases Other than Ten

Lesson 34 - Graphing a Circle/Ellipse

Lesson 35 - Graphing a Parabola/Hyperbola

Texts:

- Math-U-See Algebra I: Principles of Secondary Mathematics*

*Option to use Math-U-See Algebra I: Legacy Edition in place of revised version. Lessons and content may vary. Please review state legislation to ensure materials meet education requirements

Course Description:

SJA uses an online platform called Duolingo for students to experience Spanish in an easy to learn platform. Duolingo's slogan is "You learn by doing". Students follow along the sections at their own pace with weekly classroom goals.

Section reviews and end of Semester Assessments are used to record students progress and knowledge retention.

Concepts Covered:

Beginner Sections (1-3)

- The beginner sections of the Duolingo Spanish course focus on building a solid foundation in the language, covering essential vocabulary, basic grammar, and conversational skills.

Intermediate Sections (4-6)

- As learners progress, the intermediate sections delve into more complex language concepts, such as verb tenses, grammatical structures, and the ability to discuss a wider range of topics.

Advanced Sections (7-8)

- The advanced sections of the Duolingo Spanish course are designed to refine learners' skills, preparing them for more sophisticated language use, including professional and academic applications.

Course Description:

SJA uses an online platform called Typsey for students to practice and enhance keyboarding skills. Typsey includes multiple comprehensive keyboarding curricula for different age groups and skill levels.

Unit reviews and end of Semester Assessments are used to record students progress. typing accuracy, and typing speed.

Concepts Covered:

- **Mastery of the Keyboard:** Learn to touch-type the alphabetic, numeric, and symbol keys.
- **Correct Keyboarding Techniques:** Develop proper posture, finger position, and stroking rhythm.
- **Speed and Accuracy:** Improve typing speed and accuracy through practice and exercises.
- **Posture Tips:** Learn posture tips to minimize fatigue and prevent carpal tunnel syndrome.

Course Description:

SJA uses an online program called Muzzy for students to experience French in an easy to learn platform. Developed by the BBC, Muzzy has an over 30-year history of success teaching millions of children around the world. Muzzy's simple and effective program teaches languages through fun and animated stories featuring Muzzy and friends. Each lesson has reinforcement learning tools, including online games, printable flashcards & printable worksheets.

Section reviews and end-of-semester assessments are used to record students' progress and knowledge retention.

Concepts Covered:

- how to introduce yourself
- greetings
- manners
- numbers
- colors
- foods
- body parts
- weather
- other functional language appropriate to beginning-level French.

Course Description:

What topics in life are not covered in school but should be? That is what life skills is all about. This Pass/Fail course grades 6 and up, exposes students to those things in everyday life that students should know how to do to function in society.

Concepts Covered:

General Automotive Care - Checking Fluids and Changing a Tire

Formal Table Setting

Building a Fire

General Accounting with Check Writing

Gift Wrapping

Geography Map Unit, Locations of Countries in the Following Areas:

- Asia
- Europe
- South America
- Africa

Introduction to Excel/Google Sheets

Introduction to Accounting

Course Description:

Physical education courses aim to foster lifelong physical activity and well-being, focusing on developing motor skills, promoting fitness, and fostering social and emotional growth through various activities and sports.

Concepts Covered:

Develop Physical Competence:

- Students will learn and refine motor skills, movement patterns, and strategies for various physical activities.

Promote Physical Fitness:

- The curriculum will emphasize the importance of cardiovascular endurance, muscular strength, flexibility, and body composition, encouraging students to achieve and maintain a health-enhancing level of fitness.

Foster Social and Emotional Development:

- PE classes provide opportunities for teamwork, cooperation, and sportsmanship, promoting positive social interactions, and emotional resilience.

Encourage Lifelong Physical Activity:

- The goal is to instill a love for physical activity and encourage students to adopt active lifestyles that benefit their physical and mental health.

Typical Activities and Units:

- Students will participate in various team sports like pickleball, basketball, soccer, volleyball, and flag football, learning rules, strategies, and teamwork skills.
- Individual and Dual Sports like tennis and badminton, will allow students to develop individual skills and strategies.
- Students will engage in activities that target different fitness components, such as running, jumping, strength training, and cardio exercises.

Key Skills Developed:

- Motor Skills:
 - Throwing, catching, kicking, running, and other fundamental movement skills.
- Fitness Skills:
 - Cardiovascular endurance, muscular strength, flexibility, and body composition.
- Social Skills:
 - Teamwork, cooperation, sportsmanship, and respect for others.
- Cognitive Skills:
 - Problem-solving, decision-making, and critical thinking in the context of physical activity.

SJA's 4:1 school week makes room for Xperiences inside and outside of the school walls. Here is a list of in and out Xperiences for the school year!

- Gambia Missions with Card making
- Veterans Memorial with letters to Veterans
- K-3rd Fire Station tour
- 4-8th Cowing Robards
- Serve at Titus 2 Ministries
- K-2nd Gymnastics
- 3-8th Pickleball lesson
- Viking Bank tour
- Apol's Harley-Davidson
- Church for the Harvest tour
- Alexandria Covenant Church tour with Zumba
- A Maze'n Farmyard
- Vintage Village
- Operation Christmas Child Box packing
- Cornerstone Pines
- 6-8th Blankets of Love
- 6-8th Thanksgiving Dinner set-up
- Science Museum of MN
- Alexandria Police Station Tour
- Douglas County Sheriff Tour
- Douglas County Jail Tour
- KXRA Radio Station Tour
- Tastefully Simple
- Knute Nelson Caroling
- Kensington Park Runestone
- Tanning animal hides
- Fagan Fighter Museum
- Laser Engraving
- 6-8th Youth Day at the Capitol
- Andes Ski Day
- Lake Geneva Christian Center Day
- Nice Jucery Tour
- Common Ground Tour
- Alexandria Axe Throwing
- Hope Community Church Glenwood
- 3-8th Storehouse Bean Packing
- Andria Theatre
- River of Life, Sauk Centre
- 6-8th Winsupply serve day
- 3-D Printing - Mother's Day Project
- K-3 and 6-8th LGCC serve day
- 4-5th Quilting Day
- New Life Church serve day
- Ninja Park Challenge day in SC

SJA's 4:1 school week makes room for Xperiences inside and outside of the school walls. Here is a list of in and out Xperiences for the school year!

- A Maze'n Farmyard
- 5-9th Car Care and Mike's In and Out
- K-4th Library and Mike's In and Out
- Inspiration Peak
- Carlos Creek Winery
- Vintage Village
- Art with Paul
- Carlos State Park
- Camp Ripley
- Veterans Day Celebration with Color Guard 21 Gun Salute
- 5-9th Blankets of Love Service Project
- K-4th Bus Cleaning Service Project
- Cornerstone Pines
- K-5th Movie at Knute Nelson
- North Memorial Ambulance Demo
- Christmas Celebration with Snowshoeing, Skiing, Giant Jenga, and Connect 4
- Andes Ski Day
- Aagard Tour - Engineering Building and Fabrication Building
- Reach Church Tour
- Lake Community Tour
- K-9 Police Demonstration
- Friendship Boxes and Bingo
- 6-9th Youth Day at the Capitol
- Dr. Rick Thiery Dentistry
- Hebrew Scroll
- Physical Therapy Demo with Rehab Authority
- Science Museum of MN
- 3-D Printing - Mother's Day Project
- Bowling Barn Tour and Bowling
- Inspiration Point - Team Building
- End of Year Celebration

SJA's 4:1 school week makes room for Xperiences inside and outside of the school walls. Here is a list of in and out Xperiences for the school year!

**COMING
SOON**