

FLVS® Elementary Curriculum by Grade Level

FLVS Elementary interdisciplinary curriculum is designed to teach the standards using interrelated activities. The courses are divided into two disciplines — reading / social studies and mathematics / science with an overlay of the technology skills important to function in the 21st century. Many standards cross subject areas and are taught and measured in both classes. The following skills cross grade levels and subjects and form the basis of more discrete subject matter skills taught in FLVS Elementary.

Students will be able to:

- Make sense of problems and persevere to solve them.
- Construct viable arguments.
- Ask and answer questions.
- Use digital tools effectively.
- Work collaboratively with others.
- Participate in shared research and writing projects.
- Explain why we have rules and consequences without them.
- Speak and write complete sentences.
- Know and apply grade-level phonics and analysis skills in decoding words.
- Read a variety of sources for pleasure.
- Use a variety of media.
- Explain role of U.S. citizenship and the symbols of America.
- Attend to precision.
- Communicate effectively.
- Discuss positive and negative impacts of technology.

Kindergarten

Reading / Social Studies

- Understand main idea, key details, words and meaning of text in fiction, nonfiction, and informational text.
- Use complete sentences when speaking, writing, and describing.
- Write from left to right and use capital and lower case letters while printing first and last name and writing simple stories.
- Edit use of capital letters and punctuation.
- Read for pleasure, make predictions, and summarize stories.
- Identify initial, final, and medial phonemes and blend phonemes in one-syllable words.
- Identify common words.
- Recite short poems, rhymes, songs, and stories with repeated patterns.
- Participate in collaborative conversations.
- Use tools effectively.
- Keep records and make pictorial and written representations.
- Answer and ask questions.
- Understand the importance of national and local holidays.
- Define and give examples of rules and laws.
- Identify difference between basic needs and wants.
- Develop understanding of timelines.
- Recognize importance of U.S. symbols and describe characteristics of a good citizen.
- Learn one's phone number, street address, city, and state.
- Identify basic landforms and use maps and globes.
- Describe examples of seasonal weather changes.



Kindergarten (continued)

Mathematics / Science / Technology

- Understand number sense, including measurement, more or less, developing sets, comparisons, classification, and sorting.
- Recognize patterns across disciplines such as day and night and even and odd.
- Make sense of problems and solve them.
- Explain, create, and predict calendars.
- Identify cardinal directions, money and its values and uses, geometry, and classification.
- Learn and write number names and count sequence from 1-20.
- Reason abstractly and quantitatively.
- Construct viable arguments and critique the reasoning of others.
- Model with mathematics and solve word problems.
- Explore and use a variety of digital tools.
- Understand the five senses and related body parts.
- Observe and make predictions about plants, animals, and living and nonliving things.

First Grade

Reading / Social Studies

- Understand, describe, and retell key details and main topics in a text.
- Read a variety of text, poetry, and prose independently and for pleasure.
- Know and apply phonics and analysis in decoding words.
- Understand organizations and basic features of print.
- Understand spoken words, syllables, and sounds.
- Distinguish long from short vowel sounds.
- Participate in collaborative conversations, activities, and texts.
- Communicate ideas effectively.
- Participate in shared reading and writing.
- Clarify meaning of words.
- Distinguish between information provided by pictures and words.
- Understand how to use media.
- Write opinion pieces and edit work.
- Understand how history tells the story of people and events of other times and places.
- Identify celebrations and national holidays.
- Distinguish between historical facts and fiction.
- Create a timeline, use maps and globes, and explain purpose of laws.
- Show respect and kindness to people and animals.
- Recognize symbols that represent American constitutional democracy.
- Demonstrate command of the conventions of American English – capitalization, punctuation, and spelling when writing.
- Write and speak in complete sentences.
- Add drawings and other visual displays to descriptions.
- Compare and contrast the adventures and experiences of characters' histories.

Mathematics / Science / Technology

- Use mathematical terms to describe length, measurement, and number sense.
- Make observations of the natural world with five senses.
- Describe the major parts of a plant.
- Identify correct names of body parts.
- Know all plants and animals need air, water, food, and space.
- Describe ways objects move.
- Sort objects by size, shape, color, temperature, weight, texture, and density.
- Describe objects in the sky and the law of gravity.
- Communicate ideas effectively.
- Recognize consequences of not following rules.
- Describe and identify main topics and retell key details.



First Grade (continued)

Mathematics / Science / Technology

- Clarify meaning of words.
- Distinguish between information provided by pictures and words.
- Attend to precision in mathematics, reading, and the sciences.
- Understand primary source and equal sign.
- Write and develop understanding of addition, subtraction, and strategies for addition and subtraction for numbers 1-20.

Second Grade

Reading / Social Studies

- Learn how to communicate for social and instructional purposes within the school setting.
- Create audio recordings of stories and poems.
- Read a variety of texts, including fables and folktales, independently.
- Recall information from experiences or gather information to answer a question.
- Determine the meaning of words and phrases in a text.
- Answer who, what, when, where, and why questions.
- Describe how characters in a story respond to major events and challenges.
- Describe how words and phrases supply rhythm and meaning in a story, poem, or song.
- Describe the structure of a story.
- Acknowledge differences in the points of view of characters.
- Comprehend literature.
- Distinguish between long and short vowels.
- Identify the main topic of a multi-paragraph text.
- Publish, edit, and revise writings, including opinion pieces.
- Evaluate contributions of various African Americans, Hispanics, Native Americans, veterans, and women.
- Identify the Constitution as the document that established structure, function, powers, and limits of government.
- Describe the impact of Native Americans and immigrants.
- Explore the daily life of living in Colonial America.
- Identify reasons people moved to the U.S. throughout history.
- Explain economics, including spending and saving.

Mathematics / Science / Technology

- Extend understanding of base-ten notation.
- Build fluency with addition and subtraction.
- Look for and express regularity in repeated reasoning.
- Count by fives, tens, and multiples of hundreds, tens, and ones.
- Understand place value.
- Skip count.
- Show proficiency counting within 1,000.
- Compare three-digit numbers to hundreds, tens, and ones.
- Fluently add and subtract within 100 and mentally add 10 or 100 to a given number.
- Add up to four-digit numbers.
- Tell and write time from analog and digital clocks.
- Solve word problems concerning money.
- Use standard units of measure and draw picture graphs, bar graphs, and shapes to represent data.
- Recognize the locations and functions of major human organs.
- Name healthy options to health-related issues or problems.
- Compare and contrast the basic needs of all living things.
- Discuss how people use electricity or other forms of energy to cook their food, cool or warm their homes, and power their cars.
- Identify objects and materials as solid, liquid, or gas.
- Recognize that Earth is made up of rocks of various sizes and shapes.
- Compare and describe changing patterns in nature, including weather conditions, temperature and precipitation, and seasons.



Second Grade (continued)

Mathematics / Science / Technology

- Investigate by observing and measuring the Sun's energy.
- Understand evaporation.
- Investigate that air is all around U.S. and that moving air is wind.
- State the importance of preparing for severe weather, lightning, and weather events.
- Distinguish between empirical observation (what you see, hear, feel, smell, or taste) and ideas or inferences (what you think).
- Explain how scientists alone or in groups investigate new ways to solve problems.

Third Grade

Reading / Social Studies

- Read fluently.
- Describe the relationship between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text.
- Determine the meaning of general academic and domain-specific words and phrases.
- Determine main idea and key details in various texts.
- Identify effective verbal and nonverbal communication.
- Recount stories and explain central message.
- Describe characters in a story and meaning of words and phrases.
- Refer to parts of stories when writing or speaking.
- Distinguish own point of view from that of others.
- Compare and contrast themes.
- Read and comprehend literature.
- Describe the logical connection between particular sentences and paragraphs.
- Write, publish, and edit a variety of pieces including opinions and narratives.
- Describe how government is organized at the local, state, and federal level.
- Identify individual actions of citizens that showcase civility.
- Identify uses of different types of maps and label countries in North America, oceans, and continents.
- Identify five regions of the United States and label the states.
- Identify cultures that settled in the U.S., Canada, Mexico, and the Caribbean.
- Describe weather, natural resources, and environments across America.
- Describe scarcity and how it impacts immigration.

Mathematics / Science / Technology

- Interpret products of whole numbers.
- Determine unknown numbers.
- Apply operations as strategies to multiply and divide within 100.
- Practice measurement skills.
- Use shapes and identify, create, and note characteristics.
- Solve two-step word problems.
- Identify patterns in arithmetic to round.
- Fluently add and subtract within 1,000.
- Multiply one-digit whole numbers.
- Understand a fraction on a number line.
- Understand fractions and explain equivalence of fractions.
- Tell, write, and measure time.
- Measure and estimate liquid volumes and masses.
- Use technology to produce, publish, research, and create projects.
- Recognize common childhood health conditions.
- Recognize that body parts and organs work together to form human body systems.
- Add, subtract, multiply, or divide to solve one-step word problems involving masses or volumes that are given in the same units.
- Show data by making a line plot.
- Investigate and describe structures in plants and water and their roles.



Third Grade (continued)

Mathematics / Science / Technology

- Classify animals into major groups (mammals, birds, reptiles, amphibians, fish, arthropods, vertebrates, and invertebrates).
- Recognize that energy has the ability to cause motion or create change.
- Demonstrate that light travels in a straight line until it strikes an object or travels from one medium to another and can be reflected, refracted, and absorbed.
- Measure and compare the mass, temperature, and volume of solids and liquids.
- Describe the changes water undergoes when it changes state through heating and cooling by using scientific terms of freezing, boiling, evaporation, and condensation.
- Explore the Law of Gravity and investigate the stars.
- Raise questions about the natural world, investigate them individually and in teams through free exploration and systematic investigations, and generate appropriate explanations based on those explorations.
- Recognize that words in science can have different or more specific meanings than their use in everyday language (for example, energy, cell, heat/cold, and evidence).
- Recognize that scientists use models to help understand and explain how things work.

Fourth Grade

Reading / Social Studies

- Read fluently.
- Explain verbal and nonverbal communication.
- Determine theme of a story, drama, or poem from details in text.
- Describe in depth a character, setting, or event in a story.
- Determine meaning of words and phrases as they are used in a text.
- Explain major differences between poems, drama, and prose.
- Compare and contrast points of view and themes.
- Make connections between the text of a story or drama and visual or oral presentations.
- Determine meaning of academic and domain-specific words.
- Compare and contrast a firsthand and secondhand account of an event.
- Interpret information presented visually, orally, or quantitatively and integrate information.
- Explain how an author uses reasoning.
- Edit, revise, and design writings, including opinion pieces and research projects.
- Produce clear and coherent writing.
- Compare American tribes in Florida.
- Understand significance of St. Augustine, Spanish rule, and how Florida became a U.S. Territory then a state.
- Describe pioneer life in Florida and challenges Floridians faced during reconstruction and the Spanish American War, Florida's role in World War II, the Great Depression, the Civil Rights Movement, the space program, and finally, the impact of tourism on the state.
- Sequence Florida through a timeline.
- Learn and present about Florida governments and influential people.

Mathematics / Science / Technology

- Look for and express regularity in repeated reasoning.
- Interpret a multiplication equation.
- Multiply or divide to solve problems involving comparison and equations.
- Determine if an equation is true or false.
- Investigate factors and multiples.
- Recognize multi-digit whole numbers.
- Solve multi-step word problems with whole numbers and using operations.
- Use place value to round multi-digit numbers.
- Fluently add and subtract multi-digit numbers.
- Multiply, divide, and find whole number quotients and remainders.
- Compare fractions with different numerators and denominators.
- Apply and extend understanding of multiplication.
- Express and use a fraction with a denominator.



Fourth Grade (continued)

Mathematics / Science / Technology

- Know relative size of measurement units.
- Use operations to solve word problems.
- Apply the area and perimeter formulas for rectangles.
- Make a line plot to display a data set.
- Recognize and measure angles as geometric shapes.
- Draw points, lines, segments, rays, angles, and perpendicular and parallel lines.
- Recognize and use symmetry.
- Identify the human body parts and organs that work together to form a healthy body.
- Take notes and categorize information and provide a list of sources.
- Know relative sizes of measurement units within one system of units including km, m, cm; kg, g; lb, oz; l, ml; and hr, min, sec.
- Explain that although characteristics of plants and animals are inherited, some characteristics can be affected by the environment.
- Recognize that animal behaviors may be shaped by heredity and learning.
- Compare and contrast the major stages in the life cycles of Florida plants and animals.
- Trace the flow of energy from the sun as it is transferred along the food chain through the producers to the consumers.
- Recognize ways plants and animals impact the environment.
- Observe and describe some basic forms of energy, including light, heat, sound, electrical, and the energy of motion.
- Identify common materials that conduct heat well or poorly.
- Recognize that an object in motion always changes its position.
- Investigate and describe the speed of an object.
- Explore the Law of Conservation of Mass.
- Investigate and describe magnets.
- Observe and learn about the patterns of stars in the sky.
- Relate that the rotation of Earth (day and night) and apparent movements of the Sun, Moon, and stars are connected.
- Identify the three categories of rocks: igneous, sedimentary, and metamorphic and identify the physical properties of minerals.
- Investigate how technology and tools help to extend the ability of humans to observe very small things and very large things.
- Explain that science does not always follow a rigidly defined method ("the scientific method") but that science does involve the use of observations and empirical evidence.
- Recognize and explain that scientists base their explanations on evidence.
- Recognize that science involves creativity in designing experiments.

Fifth Grade

Reading / Social Studies

- Read fluently.
- Quote accurately from text and determine theme of story or poem from details in a text.
- Compare and contrast two or more characters, settings, or events in a story.
- Explain how chapters, scenes, or stanzas fit together.
- Describe the narrator's or speaker's point of view.
- Analyze how visual multi-media elements contribute to meaning, tone, or beauty of a text.
- Determine the meaning of general academic and domain-specific words.
- Compare and contrast overall structure, chronology, comparison, cause/effect, and ideas and concepts.
- Gather information from a variety of sources.
- Use language and its conventions when writing, spelling, reading, or listening.
- Conduct short research projects.
- Write routinely over extended time frames.
- Summarize the points a speaker makes and explain how each claim is supported by reasons and evidence.
- Use primary and secondary sources to understand history.
- Utilize timelines to identify and discuss history.
- Compare cultural aspect of ancient American civilizations.
- Identify and compare Native American tribes and their cultures.
- Investigate the European explorers.



Fifth Grade (continued)

Mathematics / Science / Technology

- Explain two- and three-dimensional models.
- Write informational and explanatory texts to examine a topic.
- Summarize a written or spoken list.
- Reason abstractly and quantitatively.
- Look for and make use of structure and express regularity in repeated reasoning.
- Recognize a multi-digit number.
- Read, write, and compare decimals to thousandths.
- Use place value to round decimals.
- Fluently multiply multi-digit numbers.
- Find whole number quotients.
- Work with four-digit dividends and two-digit divisors.
- Add, subtract, divide, and multiply fractions with like and unlike denominators.
- Use parenthesis, brackets, or braces in numerical expressions.
- Interpret multiplication as scaling.
- Understand volume, perpendicular lines and axes, graphing, and attributes.
- Develop a Venn diagram.
- Add, subtract, multiply, and divide decimals to hundredths.
- Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators.
- Multiply a fraction or whole number by a fraction and interpret the product.
- Make a line plot to display a data set of measurements in fractions.
- Engage effectively in a range of collaborative discussions.
- Know relative sizes of measurement units within one system of units.
- Identify processes of reproduction in flowering plants.
- Recognize that animal behaviors may be shaped by heredity and learning.
- Compare the seasonal changes in Florida plants and animals to other regions.
- Identify the human body parts and organs that work together to form a healthy body.
- Observe and describe some basic forms of energy, including light, heat, sound, electrical, and the energy of motion.
- Recognize that heat flows from a hot object to a cold object and that heat flow may cause materials to change temperature.
- Identify properties and common uses of water in each of its states.
- Explore the Law of Conservation of Mass.
- Investigate and describe magnets.
- Describe the changes in the moon over the course of a month.
- Identify the three categories of rocks: igneous, sedimentary, and metamorphic.
- Investigate how technology and tools help to extend the ability of humans to observe very small things and very large things.
- Raise questions about the natural world, use appropriate reference materials that support understanding to obtain information, and conduct both individual and team investigations through free exploration and systematic investigations.
- Explain that science does not always follow a rigidly defined method ("the scientific method") but does involve the use of observations and empirical evidence.
- Attempt reasonable answers to scientific questions and cite evidence in support.
- Compare the methods and results of investigations done by other classmates.
- Keep records that describe observations.

