



GRADE 5 STANDARDS

LANGUAGE ARTS

➤ Reading Literature & Informational Text

- Makes logical inferences and supports them with evidence, including direct quotes, from the text.
- Analyzes characters, setting, events and themes using specific details.
- Compare and contrast the overall organization and elements of two or more texts.
- Applies knowledge of roots, affixes, and syllabication to read and determine meaning of unfamiliar words.
- Reads grade level texts, prose, and poetry with accuracy, pacing, and expression.

➤ Writing

- Writes opinion pieces on topics or texts, supporting a point of view, logically ordered, with reasons and evidence.
- Writes informative texts to examine a topic and convey ideas and information, logically ordered, using content-specific vocabulary.
- Writes narratives to develop real or imagined experiences using effective techniques, descriptive details, clear event sequences, varied transition words, and a conclusion.
- Uses the writing process (draft, revise, and edit) to craft clear writing.

➤ Language

- Consistently applies knowledge of standard English grammar and conventions when writing and speaking.
- Spells high-frequency words and taught spelling patterns correctly in daily work.
- Acquires and uses academic and content specific vocabulary.

MATHEMATICS

➤ Operations and Algebraic Thinking

- Writes, interprets, and evaluates numerical expressions using all four operations and parentheses.
- Uses patterns, graphs, and rules to describe the relationship between corresponding terms.

➤ Number and Operations in Base Ten

- Uses place value to read, write, and compare decimals to the thousandths.
- Fluently multiplies multi-digit whole numbers using the standard algorithm.
- Divides whole numbers with up to 4-digit dividends and 2-digit divisors to find whole number quotients using strategies based on place value, equations, and arrays or area models.
- Adds, subtracts, multiplies and divides decimals to the hundredths, using concrete models or drawings and strategies based on place value.

➤ **Number and Operations - Fractions**

- Adds and subtracts fractions with unlike denominators using multiple strategies.
- Multiplies a fraction or a whole number by a fraction and solves problems using visual models and/or equations.
- Divides unit fractions by whole numbers and whole numbers by unit fractions using a story context and a visual model.

➤ **The Number System**

- Uses positive and negative integers to describe quantities such as temperature and elevations.

➤ **Measurement and Data**

- Converts measurement units within a given measurement system and uses conversions to solve multi-step problems.
- Represents and interprets data using line plots in fractions of a unit ($\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{8}$) and uses operations on fractions to solve problems.
- Demonstrates an understanding of volume and relates volume to operations of addition and multiplication in real world problems.

➤ **Geometry**

- Graphs points on a coordinate plane and represents real-world and mathematical problems by graphing points.
- Classifies 2-D shapes into categories based on their properties.

SCIENCE

➤ **General Practice**

- Define problems within scientific investigations that may change the results of the investigation and problem solve for improved accuracy in results.

➤ **Life Science**

- Recognizes and gives examples of adaptations of living things.
- Describes how energy from the sun is transferred through a food chain.

➤ **Earth Science**

- Explains weather concepts and the difference between weather and climate.
- Describes the process of the water cycle Recognizes and discusses the different properties of soil and how water affects land.

➤ **Physical Science**

- Develop a model to describe that matter is made of particles too small to be seen.
- Make observations and measurements to identify materials based on their properties.
- Conduct an investigation to determine whether the mixing of two or more substances results in new substances.

- Measure and graph quantities to provide evidence that, regardless of the type of change that occurs when heating, cooling, or mixing substances, the total weight of matter is conserved.
- Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment. Use models to describe the energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.

SOCIAL STUDIES

➤ **History, Geography, Government**

- Describes European exploration and encounters with native people in the Americas.
- Explains the development of 13 original colonies.
- Explains the causes and the events of the American Revolution.
- Describes the principles and practices of democratic government, as outlined in the US Constitution.

ART

➤ **Skills, Knowledge, Concepts**

- Creates lines and dots to create the illusion of texture on a 2D surface.
- Uses shading to represent light and shadow in an artwork.
- Creates the illusion of depth in an artwork using converging lines and color relationships (bright/dull).
- Models a three dimensional sculpture (including an assemblage of objects).
- Presents a personal response to the subject matter, materials, techniques, and use of design elements in artworks.

➤ **Respect, Responsibility and Work Habits**

- Engages positively in art room activities and discussions.
- Demonstrates considerate & cooperative behavior. Knows & applies art room rules and safe practices.

MUSIC

➤ **Create, Perform, Respond**

- Create: Composes & notates simple melodies and/or rhythmic patterns accurately.
- Create: Creates and performs musical stories.
- Perform: Sings simple melodies with pitch accuracy.
- Perform: Performs on classroom instruments with melodic & beat competency.
- Respond: Shows musical concepts through movement.
- Respond: Describes the music they hear, using appropriate musical vocabulary.
- Respond: Describes the role of music in culture & society.

➤ **Respect, Responsibility and Work Habits**

- Engages positively in classroom activities.

- Knows and applies classroom rules and safe practices.
- Accepts risks and challenges.

INSTRUMENTAL

➤ **Skills, Knowledge, Concepts**

- Demonstrates developmentally appropriate instrumental skills.
- Demonstrates developmentally appropriate ensemble skills.
- Reads and responds to musical notation.
- Demonstrates an understanding of musical concepts through listening and responding.

➤ **Respect, Responsibility and Work Habits**

- Engages positively in classroom activities.
- Accepts risks and challenges.
- Prepared with instrument and materials.
- Demonstrates appropriate home practice habits.

PHYSICAL EDUCATION

➤ **Skills, Knowledge, Concepts**

- Understands fundamental offensive/defensive strategies used in a modified game.
- Creates dance sequences using the concepts of unison, canon, and copying.
- Reads, records, and analyzes heart rate before, during, and after physical activity.
- Demonstrates counter-balance and counter-tension with a partner on and off equipment.

➤ **Respect, Responsibility and Work Habits**

- Demonstrates considerate and cooperative behavior.
- Appreciates that people have differences and similarities in physical activity settings.
- Accepts risks and challenges.