

# Fifth Grade Curriculum

## Fifth Grade Language Arts

### Reading

Students use their knowledge of word origins and word relationships, as well as historical and literary context clues, to determine the meaning of specialized vocabulary and to understand the precise meaning of grade-level-appropriate words.

- Read aloud narrative and expository text fluently and accurately and with appropriate pacing, intonation, and expression.
- Use word origins to determine the meaning of unknown words.
- Understand and explain frequently used synonyms, antonyms, and homographs.
- Know abstract, derived roots and affixes from Greek and Latin and use this knowledge to analyze the meaning of complex words (e.g., controversial).
- Understand and explain the figurative and metaphorical use of words in context.

### Reading Comprehension

Students read and understand grade-level-appropriate material. They describe and connect the essential ideas, arguments, and perspectives of the text by using their knowledge of text structure, organization, and purpose.

- Understand how text features (e.g., format, graphics, sequence, diagrams, illustrations, charts, maps) make information accessible and usable.
- Analyze text that is organized in sequential or chronological order.
- Discern main ideas and concepts presented in texts, identifying and assessing evidence that supports those ideas.
- Draw inferences, conclusions, or generalizations about text and support them with textual evidence and prior knowledge.
- Distinguish facts, supported inferences, and opinions in text.

## **Writing**

Students write clear, coherent, and focused essays. The writing exhibits the students' awareness of the audience and purpose. Essays contain formal introductions, supporting evidence, and conclusions. Students progress through the stages of the writing process as needed. Edit and revise manuscripts to improve the meaning and focus of writing by adding, deleting, consolidating, clarifying, and rearranging words and sentences.

## **Writing Applications**

Students write narrative, expository, persuasive, and descriptive texts of at least 500 to 700 words in each genre.

Student writing demonstrates a command of standard American English and the research, organizational, and drafting strategies outlined by teacher.

## **Sentence Structure and Grammar**

Identify and correctly use prepositional phrases, appositives, and independent and dependent clauses; use transitions and conjunctions to connect ideas. Identify and correctly use verbs that are often misused (e.g., lie/ lay, sit/ set, rise/ raise), modifiers, and pronouns.

## **Punctuation**

Use a colon to separate hours and minutes and to introduce a list; use quotation marks around the exact words of a speaker and titles of poems, songs, short stories, and so forth.

## **Capitalization**

Use correct capitalization.

## **Spelling**

Spell roots, suffixes, prefixes, contractions, and syllable constructions correctly.

# Grade 5: Summer Math Curriculum

In **Fifth Grade**, our teachers will focus on four key content standards this summer.

## 1. Operations and Algebraic Thinking

Students will develop their understanding and fluency with addition and subtraction of fractions, and developing understanding of the multiplication and division of fractions.

- Students apply their understanding of fractions and fraction models with unlike denominators.
- Add, subtract, multiply and divide to hundredths. Find whole number quotients up to four digit dividends.
- Use parentheses, brackets in numerical expression and evaluate expressions with these symbols.

## 2. Number and Operations: Fractions

Students will develop understanding of fraction equivalence and operations with fractions.

- Add and subtract fractions with mixed numbers.
- Apply and extend previous understandings of multiplication and division to multiply and divide fractions.
- Solve word problems involving addition and subtraction of fractions referring to the same whole, including cases of unlike denominators.

### 3. Measurement and Data

Students will understand volume as an attribute of three dimensional space.

- Students recognize volume as an attribute of a three dimensional figure; 1 unit by 1 unit by 1 unit.
- Convert like measurements units a given measurement system. Convert cm to m, m to km.
- Apply the formula for Volume:  $V = l \times w \times h$  and  $V = b \times h$ .
- Find Volume of a right Rectangular Prism.
- Solve real world and mathematical problems involving volume.

### 4. Geometry

Students will graph points on the coordinate plane to solve mathematical problems.

- Classify two dimensional figures into categories based on their properties.
- Graph points in the first quadrant of the coordinate plane and interpret coordinate values of the points.
- Students recognize x-axis and y-axis and how they are graphed (x,y).