Fifth Grade Overview: English Language Arts

In grade five, students will continue to build important reading, writing, speaking, and listening skills. They will read more challenging literature, articles, and other sources of information and continue to grow their vocabulary. Students will also be expected to understand and clearly summarize what they have learned from readings and classroom discussions, referring to specific evidence and details from the text. Students will write regularly and continue to develop their ability to gather, organize, interpret, and present information.

Literature and Informational Text

Key Ideas and Details
Quote accurately when referring to text
Determine the main ideas and summarize the text
Compare and contrast texts
Explain how an author uses reason or evidence to support points in a text
Craft and Structure
Describe the overall structure in literature and informational texts
Know and use various text features (captions, sub headings, glossaries, indexes, etc.)
Integration of Knowledge and Ideas
Analyze visualized elements in a text to gain meaning and tone
Bring together information from several texts to display my knowledge of the topic
Range of Reading and Level of Text Complexity
Independently read and understand a wide range of grade-level literature and informational texts

Foundational Skills

Phonics and Word Recognition
Use grade-level phonics and word analysis skills   Roots, prefixes, and suffixes
Fluency
Read with accuracy and fluency

Writing

Text Types and Purposes
Write opinion pieces that support a point of view with reasons and information
Write informative texts that share ideas and information

Write narratives that use related descriptive details and a clear sequences of events
Production and Distribution of Writing
Write clearly and with a purpose; keep the audience in mind
Use the writing process to produce various written pieces
Use technology to publish writing
Research to Build and Present Knowledge
Conduct research projects
Summarize information and provide a list of sources
Cite evidence from text to support ideas

Speaking and Listening

Comprehension and Collaboration
Participate in a variety of discussions (one on one, in groups, and teacher led)
Summarize information presented
Identify reasons and evidence a speaker or media source provides to support particular points
Presentation of Knowledge and Ideas
Plan and deliver a speech while staying on topic
Speak clearly and at an understandable pace
Include multimedia and visual displays in presentations

Language

Conventions of Standard English
Use correct grammar when writing or speaking
Use correct capitalization, punctuation, and spelling
Knowledge of Language
Compare and contrast dialects and formal/ informal language used in stories, dramas, or poems
Vocabulary Acquisition and Use
Use a variety of methods to determine the meaning of an unknown word
Use a variety of academic and grade level vocabulary

Fifth Grade Overview: Mathematics

In grade five, students will build their understanding of the place value system by working with decimals up to the hundredths place. Students will also add, subtract, and multiply fractions, including fractions with unlike denominators. They will continue to expand their geometry and measurement skills, learning the concept of volume and measuring the volume of a solid figure. They analyze numeric patterns and relationships and graph ordered pairs on a coordinate plane.

Operations and Algebraic Thinking

Write and interpret numerical expressions
Write and interpret mathematical expressions using symbols such as parentheses, brackets or braces.
Analyze patterns and relationships
Analyze and determine relationships between numerical patterns.
Find all factor pairs for a whole number in the range 1-100.

Number & Operations in Base Ten

Understand the place value system
Students use place value understanding to figure out that, based on where the digits are located within the number, 0.115 is less than 0.151
Perform operations with multi-digit whole numbers and with decimals to hundredths
Quickly and accurately multiply multi-digit whole numbers.
Divide numbers with up to four digits by two digit numbers.
Use exponents to express powers of 10.
Read, write and compare decimals to the thousandths place.
Add, subtract, multiply and divide decimals to the hundredths place.

Students recognize that a 5 in the thousandths place is only one tenth the value of a 5 in the hundredths place.
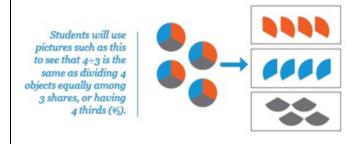
Number and Operations-Fractions

Use equivalent fractions as a strategy to add and subtract fractions.
Add and subtract fractions with unlike denominators.
Apply and extend previous understandings of multiplication and division to multiply and divide fractions.

Multiply fractions by whole numbers and other fractions.
Understanding how to divide objects into equal shares prepares students for the division of fractions.
Students will use pictures such as this to see that 4÷3 is the same as dividing 4 objects equally among 3 shares, or having 4 thirds (⁴⁄₃).

Measurement & Data

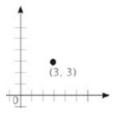| |
|---|
| Convert like measurement units within a given measurement system. |
| 3 feet = ? inches |
| Represent and interpret data |
| Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition. |
| Measure volume using multiplication and division. |

Geometry

Graph points on the coordinate plane to solve real-world and mathematical problems.
Graph points on a coordinate plane.
(3, 3)
Classify two-dimensional figures into categories based on their properties.
Sort two-dimensional shapes into categories based on their properties.
Know what makes rectangles, parallelograms, and trapezoids different.