

## Second Grade Overview: English Language Arts

Second grade students accurately read and understand literature and informational text. They use correct grammar, capitalization, punctuation, and spelling. They can plan and deliver a presentation about a story or experience.

### Literature and Informational Text

<b>Key Ideas and Details</b>
Ask and answer questions to demonstrate understanding of the text
Retell stories
Identify the main topic and focus
<b>Craft and Structure</b>
Describe the overall structure in literature (beginning-introduces; ending-concludes)
Describe the overall structure in informational texts (captions, bold print, subheadings, glossaries, and indexes)
<b>Integration of Knowledge and Ideas</b>
Use information gained from visual supports to support understanding of text
Compare and contrast texts
<b>Range of Reading and Level of Text Complexity</b>
Independently read and understand grade-level literature and informational texts

### Foundational Skills

<b>Phonics and Word Recognition</b>
Know and use phonics and word analysis skills in decoding words
<b>Fluency</b>
Read accurately with understanding

### Writing

<b>Text Types and Purposes</b>
Write opinion pieces that connect the opinion to supporting reasons
Write informative pieces that introduce a topic, facts, definitions, and a conclusion
Write narrative pieces that include details to describe actions, thoughts, and feelings
<b>Production and Distribution of Writing</b>
Produce writing with a focused topic

Write routinely for different purposes

### Research to Build and Present Knowledge

Participate in shared research projects

## Speaking and Listening

### Comprehension and Collaboration

Participate in collaborative conversations with peers/adults in small and large groups

Recall and describe key ideas and details from something read aloud, information presented orally, or through other media

### Presentation of Knowledge and Ideas

Retell a story or event with appropriate details and facts

Speak clearly and in complete sentences

## Language

### Conventions of Standard English

Use correct grammar

Use correct capitalization, punctuation, and spelling

### Knowledge of Language

Use formal and informal English when appropriate

### Vocabulary Acquisition and Use

Use a variety of methods to determine the meaning of an unknown word

Discover and use new words and phrases through reading, listening, and conversation

## Second Grade Overview: Mathematics

Second grade students use addition and subtraction within 100 to solve word problems and are expected to know from memory all sums of two one-digit numbers by the end of second grade. Place value understanding is extended to 1000 and students compare three digit numbers based on their knowledge of hundreds, tens and ones. Second grade students compute with money and learn to estimate and compare lengths using appropriate measurement tools. Second graders refine their understanding of geometry by drawing shapes based on the number of faces and angles.

### Operations and Algebraic Thinking

<b>Represent and Solve Problems Involving Addition and Subtraction</b>
Use addition and subtraction within 100 to solve one and two step word problems
<b>Add and Subtract within 20</b>
Fluently add and subtract within 20 using mental strategies
<b>Work with Equal Groups of Objects</b>
Determine whether a given number of object is odd or even.
Use addition to find the total number of objects in a rectangular array.
Represent the total number of objects arranged in a rectangular array using an equation expressing repeated addition.

### Number & Operations in Base Ten

<b>Understand Place Value</b>
Understand that the three digits of a three-digit number represent amounts of hundreds, tens, and ones.
Count forward and backward from any given number within 1000; skip count by 5s, 10s, and 100s.
Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.
Compare two three digit numbers using the $<$ , $>$ , or $=$ symbols.
<b>Use Place Value Understanding and Properties of Operations to Add and Subtract</b>
Fluently add and subtract within 100 using different strategies based on place value, properties of operations, and the relationship between addition and subtraction. .
Add up to four two-digit numbers using strategies.
Mentally add or subtract 10 to/from a given number from 100-900.

### Measurement & Data

<b>Measure and Estimate Lengths in Standard Units</b>
Select and use appropriate tools to measure length.

Estimate using inches, feet, centimeters, and meters.

Measure to determine how much longer one object is than another with two different unit lengths.

### Relate addition and subtraction to length

Create a number line.

Find sums and differences within 100 using a number line.

### Work with time and money

Tell and write time to the nearest 5 minutes using both analog and digital clocks.

Understand and use special terms to tell time (e.g. quarter after, quarter to).

Solve word problems involving dollar bills and coins.

### Represent and Interpret Data

Collect data, build a graph, and answer questions about data using both bar graphs and line plots.

## Geometry

Reason with Shapes and Their Attributes (squares, circles, triangles, rectangles, trapezoids, rhombuses, pentagons, hexagons, octagons, parallelograms, quadrilaterals, cubes, spheres, cylinders, cones, triangular prisms, and rectangular prisms).

Identify defining attributes of a given shape.

Partition a rectangle and circle into two, three, and four equal shares.

Describe equal shares using the words halves, thirds, half of, a third of, etc.