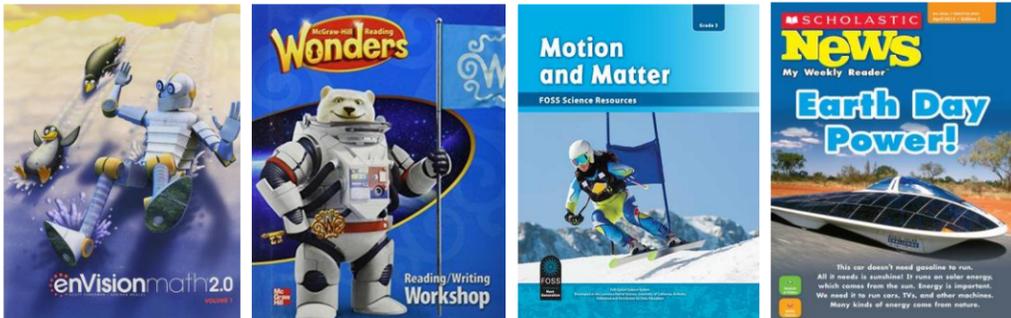


# Second Grade Curriculum



## Language Arts:

Wonders Reading offers a comprehensive language arts program that teaches the necessary skills students need to become successful readers. Each grade focuses on essential literacy skills. Literacy begins with a strong foundation. In Second grade, Wonders continues to build on this foundation by focusing on:

- Phonics
- Fluency
- Comprehension
- Multisyllabic Words
- Close Readings
- Morphology
- Greek and Latin roots
- Informative, Narrative, and Opinion/Argumentative Writing

## Mathematics:

EnVision math helps students develop deep conceptual understanding through problem-based instruction, visual learning, small group work, and personalization. Independent research validates the program's effectiveness in raising student achievement. It is a comprehensive math program that offers the flexibility of print, digital, or blended instruction at all grade levels. Each grade studies key mathematical concepts that are grouped in clusters.

Second Grade Clusters:

- Operations and Algebraic Thinking: Represent and solve problems involving multiplication and division. Understand properties of multiplication and the relationship between multiplication and division. Multiply and divide within 100. Solve problems involving the four operations and identify and explain patterns in arithmetic.
- Measurement and Data: Geometric measurement: understand concepts of area and relate area to multiplication and to addition. Represent and interpret data. Solve problems involving measurement and estimation of intervals of time, liquid volumes, and masses of objects. Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures.
- Number and Operations in Base Ten & Fractions: Use place value understanding and properties of operations to perform multi-digit arithmetic. Develop understanding of fractions as numbers.
- Geometry Reason with shapes and their attributes.

## Science:

The Full Option Science System creates students who are proficient in scientific discovery through rigorous, interactive, and collaborative science program created to meet diverse student needs. The F.O.S.S. mission is to help all students investigate scientifically to construct and acquire conceptual understanding of their world, develop positive scientific attitudes, and become scientifically literate.

Second Grade F.O.S.S. Units:

- Physical Science: Motion & Matter

The Motion and Matter Module provides students with physical science core ideas dealing with forces and interactions, matter and its interactions, and engineering design. Students explore forces of magnetism and gravity, wheel-and-axel systems, flying spinners, mixtures and solutions.

- Earth Science: Water & Climate

The Water and Climate Module provides students with experiences to explore the properties of water, the water cycle and weather, interactions between water and other earth materials, and how humans use water as a natural resource. Students will: explore how water interacts with various surfaces, observe the density of water at different temperatures, compare weather data, learn the difference between weather and climate, study renewable resources.

Additional Science Topics: Life in the Polar Regions, Rainforest Habitats & Animals

## Social Studies:

Scholastic News Edition brings grade-appropriate, curriculum-connected nonfiction print and digital magazines into the classroom. Scholastic increases science and social studies knowledge with engaging informational texts, complete lesson plans, and online resources like videos. Scholastic also focuses on vocabulary, building content knowledge, and reading skills. Each month we will focus on the topics below.

September: We Are Good School Citizens, Growth Mindset, Making Friends, Communities

October: Fire Safety, Pumpkins, Autumn Changes, Spiders

November/December: Pilgrims/Wampanoags, Veterans Day, Winter Holidays, Hibernation

January: Dr. Martin Luther King, Jr., Winter Changes, Penguins, Author Study

February: Black History Month, Groundhog Day, Presidents' Day, Dental Health

March: Read Across America Day, Women's History, St. Patrick's Day/Ireland Habitats

April: Earth Day, Endangered Animals, Needs of a Plant, Natural World Affects Humans

May/June: Summer Safety, Summer Sky, Insects, Ocean