

# Second Grade

# TRIMESTER 1

## Math

### *Unit 1, Figure the Facts*

In this unit your child will practice efficient math strategies to add and subtract within 20, explore odd and even numbers, solve addition and subtraction story problems, and count by 2s, 5s, and 10s to solve problems.

### *Unit 2, Place Value and Measurement*

In this unit your child will identify the place value of a 3-digit number. They will read, write, model and compare 2- and 3-digit numbers. They will measure and compare lengths of objects, model problem-solving strategies on a number line and to add and subtract fluently.

## Language Arts

### *Unit 1, Literacy Lab*

Students will learn to become a community of culturally diverse readers. We will focus on poetry and narrative writings.

### *Unit 2, Bugs in Their Ecosystems*

Students will become an expert on bugs via research and completion of an informational bug report.

## Social Studies

### *Chapter 1, Why Do People Live in Communities?*

Students will learn about local government, families, and how a community is part of a larger region.

## Science

### *Unit 1, Works of Water*

Students explore how water shapes the Earth's surface. Students construct and use models of mountains to demonstrate that water flows downhill, and in the process, transforms huge rocks into the tiny grains of sand we find at the beach. Students also construct and use model hills to determine the causes of erosion, and to design solutions to problems caused by erosion.

# Second Grade

# TRIMESTER 2

## Math

### *Unit 3, Addition and Subtraction Within One Hundred*

*In this unit your child will make graphs and answer questions about graphs, solve addition and subtraction story problems, add and subtract 2-digit numbers using efficient strategies, and represent addition and subtraction on a number line.*

### *Unit 4, Measurement*

*In this unit, your child will estimate, measure, and compare the length of objects in inches, feet, and yards. They will select and use the appropriate tool for measuring the length of an object twice, using two different units of measurement.*

### *Unit 5, Place Value to One Thousand*

*In this unit, your child will represent numbers using groups of 1s, 10s, and 100s to demonstrate an understanding of place value to 1,000. They will use models, sketches, and numbers to add and subtract within 1,000 and solve money story problems using correct notation.*

## Language Arts

### *Unit 3, Animal Stories*

*Students will read fiction and fantasy stories to investigate and create their own fictional animal stories.*

## Social Studies

### *Chapter 2, Physical and Human Characteristics of Local Communities*

*Students will use maps to find and locate things in their communities as well as use components of culture to describe diversity in the local community.*

### *Chapter 3, How Do People Work Together in Community*

*Students will learn about economic principles such as goods and services, scarcity, and opportunity costs.*

## Science

### *Unit 2, Material Magic*

*Students explore the properties of materials and matter!*

### *Unit 3, Animal Adventures*

*In this unit, students begin to develop an understanding of the world's animal biodiversity.*

# Second Grade

# TRIMESTER 3

## Math

*Unit 6, Geometry*

*In this unit, your student will identify, describe, draw, and create 2-D shapes based on their defining features. They will explore the area of shapes, split whole shapes into 2, 3, or 4 equal parts and recognize that equal parts of identical wholes do not need to be the same shape.*

*Unit 7, Measurement, Fractions and Multi-Digit Computation*

*In this unit, your child will estimate, measure, and compare the lengths of objects in centimeters and meters, split whole shapes into 2, 3, 4, or 8 equal parts, and solve, pose, and write addition, subtraction, and money story involving 2- and 2-digit numbers.*

*Unit 8, Measurement, Data and Multi-Digit Computation with Marble Rolls*

*In this unit, your child will measure length to the nearest inch, collect, organize and display data on a line plot and on a bar graph, analyze data to solve problems, draw conclusions, and make predictions, and add, subtract, order, and compare 3-digit numbers.*

## Language Arts

*Unit 4, Jobs in My Community*

*Students will research jobs and become an expert on one job. They will report the importance of the job in the community, the training necessary, and how the job is different in different regions.*

## Social Studies

*Chapter 4, How do people get along together in a community?*

*In this chapter, students will learn about how governments are formed and how they operate. This chapter will focus mainly on local governments; creating and enforcing laws, services offered, and personal and civic responsibilities.*

## Science

*Unit 4, Plant Adventures*

*In this unit, students continue to explore the needs of plants through hands-on investigations. They explore why and how plants disperse their seeds, what those seeds need in order to grow, and what the adult plants need in order to survive and thrive.*