

# THIRD GRADE

## Trimester 3

### TALK TO YOUR CHILD ABOUT SCHOOL

#### You can ask...

- ☐ Can you tell me about something you **read** today?
- ☐ How could you use the **math** you learned today?
- ☐ What **scientific ideas** did you talk about today?
- ☐ How did you contribute to your **community** today?
- ☐ How did someone help you learn today?



### ENGLISH LANGUAGE ARTS & LITERACY

#### In this Trimester, your child will:

- Read various texts, like books, poems, letters, news articles, and Internet pages.
- Speak and listen in formal and informal ways, like presentations and conversations.
- Communicate opinions, information, and experiences in writing for various readers.

### SCIENCE AND TECHNOLOGY/ ENGINEERING

#### In Trimester, your child will:

- Ask scientific questions about the natural world and things humans design.
- Learn through various experiences, like observations and experiments.
- Solve problems using the skills and tools of engineers and scientists.

### MATHEMATICS

#### In this Trimester, your child will:

- Use math to represent and solve real-world problems.
- Use math to make arguments about why something is true or false.
- Use tools, like rulers and calculators, to show mathematical relationships.

### HISTORY AND SOCIAL SCIENCE

#### In this Trimester, your child will:

- Learn about their local community and about the state, country, and world.
- Discover how people and events from the past relate to the present.
- Work to understand how different people see the world differently.





## Grade 3, Trimester 3 Big Ideas and Concepts:

- Expectation #1: Independently and proficiently read and comprehend informational texts, including history/social studies, science, mathematical, and technical texts.
- Expectation #2: Use information gained from illustrations (e.g., maps, photographs) and the words, numbers, and symbols in a text to demonstrate understanding of the text (e.g., where, when, why, and how key events occur).
- Expectation #3: Improve writing by making changes. Changes can be larger (like explaining ideas more fully) or smaller (like fixing spelling mistakes).

## By the end of Grade 3, Trimester 3 students can:

- Outcome #1: Notice differences between written and spoken English.
- Outcome #2: Use glossaries or a beginner dictionary to determine the meaning of key words and phrases.
- Outcome #3: Read aloud smoothly, not just one word at a time. Notice and try to fix mistakes while reading.
- Outcome #4: Read two or more books on the same topic. Notice what is the same and different.

### Questions you can ask your child:

- ★ How can you use a dictionary to find the meaning of a word?
- ★ What is a way you like to practice reading fluency?

### Topics you can discuss with your child's teacher:

- ★ Recommended authors and titles
- ★ Ways your child can practice writing

## Grade 3, Trimester 3 Big Ideas and Concepts:

- Expectation #1: Understand connections between multiplication and the areas of shapes. For example, find the area of a room using floor tiles.
- Expectation #2: Describe, analyze, and compare shapes like rectangles and squares. For example, explain that any shape with four sides can be called a quadrilateral.
- Expectation #3: Fractions & Measurement Compare Fractions and collections of Fractions
- Expectation #4: Numbers & Operations: Multiply Multi-digit Numbers

### Questions you can ask your child:

- ★ Can you give me an example of when and why we use fractions?
- ★ What makes a shape a quadrilateral?
- ★ What are some ways to compare fractions?

### Topics you can discuss with your child's teacher:

- ★ Games to practice at home
- ★ Which ways have you shown to model fractions?
- ★ Which multiplication and division strategies work well for my child?

## By the end of Grade 3, Trimester 3 students can:

- Outcome #1: Fluently (quickly and correctly) multiply and divide numbers up to 100.
- Outcome #2: Explain what the answer to a division problem means in the problem's context.
- Outcome #3: Solve problems using units of time (like minutes), mass (like grams), and volume (like liters).
- Outcome #4: Sort shapes into categories: for example, shapes with right ( $90^\circ$ ) angles.
- Outcome #5: Explain how to know whether two simple fractions (like  $\frac{1}{2}$  and  $\frac{2}{4}$ ) are equal.
- Outcome #6: Use symbols to compare simple fractions: for example,  $\frac{1}{2} > \frac{1}{3}$  or  $\frac{2}{5} < \frac{3}{5}$ .
- Outcome #7: Place fractions on a number line along with whole numbers (like 2 and 5).







## Grade 3, Trimester 3 Big Ideas and Concepts:

- Expectation #1: Understand how balanced and unbalanced forces affect an object.
- Expectation #2: Build models to demonstrate the transfer of energy.
- Expectation #3: Use the engineering process to construct a model and improve it.

### By the end of Grade 3, Trimester 3 students can:

- Outcome #1: Explore how objects move and affect each other. Explain how they move differently over rough and smooth surfaces.
- Outcome #2: Draw or build models to show possible solutions to a problem (like how to design safe playground equipment).

#### Questions you can ask your child:

- ★ What is potential energy?
- ★ What is kinetic energy?
- ★ How do forces affect skyscrapers?

#### Topics you can discuss with your child's teacher:

- ★ The scientific method
- ★ The engineering design process
- ★ Inquiry based learning

## Grade 3, Trimester 3 Big Ideas and Concepts:

- Expectation #1: Explain self-government and how it might look in a classroom (with rules, rights, and responsibilities).
- Expectation #2: Explain how Massachusetts people and events contributed to the American Revolution.
- Expectation #3: Use a current map of Massachusetts to locate and describe the city or town where the school students attend is located, its local geographic features and historic landmarks, and their significance.
- Expectation #4: Research the early history of your town or city and of Massachusetts and New England.

### Questions you can ask your child:



- ★ Why are governments important?
- ★ What rights does the Bill of Rights give people?
- ★ What events led to the American Revolution?

### Topics you can discuss with your child's teacher:



- ★ Books about local history to look for at the library

### By the end of Grade 3, Trimester 3 students can:

- Outcome #1: Explain how local (town and city) governments are organized in Massachusetts and how to participate in them.
- Outcome #2: Describe the Declaration of Independence, the Constitution (including the Bill of Rights), and the Massachusetts Constitution.
- Outcome #3: Research the demographic origins of our town or city.

