

## English Language Arts

### Foundational Reading

Engage in word analysis

Read fourth grade texts fluently, using context to confirm and self-correct word recognition

### Thinking about Reading

Ask and answer questions across many texts to analyze ideas, draw conclusions, understand perspectives and make inferences



### Writing

Skillfully choose a topic and make revisions as style emerges

Compose multiple paragraphs focusing on a central idea

### Speaking & Listening

Clarify understanding during discussions through specific questions

Present knowledge and ideas clearly including relevant details

Speak at appropriate pace and volume for audience

## Mathematics

### Operations & Algebraic Thinking

Perform addition, subtraction, multiplication and division operations with whole numbers (including multiplicative comparison and interpreting remainders in division)

Gain familiarity with factors and multiples

### Number/Operations in Base Ten

Fluently add and subtract within 1,000,000 and solve problems

Perform 4 digit by 1 digit and 2 digit by 2 digit multiplication; 4 digit by 1 digit division

### Measurement & Data

Convert measurement, (larger to smaller units) solve problems

Make a line plot to display data sets with fractional values

Solve problems involving area and perimeter

Measure angles using a protractor

### Geometry

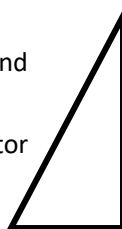
Classify shapes by the properties of their lines and angles

### Number & Operations-Fractions

Extend understanding of fraction equivalence; compare, order, and decompose fractions

Add, subtract, and multiply fractions

Use decimal notation for fractions, compare decimals to the hundredths place



## Science

### Life Science

**Structure, Function and Information Processing:** A Walk in the Park

### Physical Science

**Energy:** Powering Thru the Fair

**Waves:** Riding the Waves of Information

### Earth Science

**Earth's Systems:** Processes that shaped NYS

### Science Practices

Ask questions and define problems  
Develop and use models

Plan and carry out investigations

Analyze and interpret data

Use mathematical and computational thinking

Engage in argument from evidence

Construct explanations and design solutions

Obtain, evaluate, and communicate information

### Cross Cutting Concepts

Patterns; Cause and Effect; Scale, Proportion, and Quantity; Systems and System Models; Energy and Matter; Structure and Function; Stability and Change

## Social Studies

### History

Growth and development of New York State

### Geography

Geography of New York State



Humans interact with the environment

### Economics

Economic opportunities, industrialization, and immigration in New York State

### Government

Government within New York State and the United States

### Social Studies Practices

Gather, interpret, and use evidence

Apply chronological reasoning and consider causation

Compare and contextualize

Analyze economics and economic systems

Apply geographic reasoning

Engage in and value civic participation