Mathematics

Operations and Algebraic Thinking

- *Solve basic multiplication and division problems and story problems using different strategies with products up to 100*
- *Solve multi-digit addition and subtraction problems and story problems using different strategies*
- *Understand the properties of multiplication and the relationship between multiplication and division*
- *Identify patterns and explain them using properties of addition, subtraction, multiplication and division*

Measurement and Data

- *Estimate and measure using time, liquid volume, and mass of objects*
- *Measure with a ruler to the nearest inch, half inch, and quarter inch*
- *Gather data and interpret and represent the data in different ways*

Geometry

- *Work with 2D shapes and find perimeter and area using addition and multiplication*
- *Recognize 2D shapes and categorize them by their attributes*

Numbers and Operations

- *Understand and use place value when solving all types of arithmetic equations*
- *Understand a fraction as part of a whole and place fractions on a number line*
- *Compare equivalent and nonequivalent fractions using <, >, and =*

Science

Science and Engineering Practices

- *Ask questions and define problems*
- *Develop and use models*
- *Plan and carry out investigations*
- *Analyze and interpret data*
- *Use math and computational thinking*
- *Construct explanations and designing solutions*
- *Engage in argument from evidence*
- *Obtain, evaluate, and communicate information*
- *Explain and predict interactions between objects and within systems of objects.*
- *Explain how organisms live, grow, respond to their environment and reproduce.*
- *Explain how and why organisms interact with their environment and what the effects of those interactions are.*
- *Explain how the characteristics of one generation are passed to the next and how individuals of the same species can have different characteristics.*
- *Explain how there can be so many similarities among organisms yet so many different kinds of plants, animals and microorganisms and how this biodiversity affects humans.*
- *Explain how and why the Earth is constantly changing.*
- *Explain how the Earth's surface processes and human activities affect each other.*

NASHUA SCHOOL DISTRICT

ELEMENTARY GRADE

GRADE THREE

YOUR CHILDREN ARE OUR CHILDREN

English Language Arts

Foundational Skills

- *Clarify phonics, word meaning, and ideas*
- *Read fluently*

Writing, Language, and Speaking

- *Plan and organize my ideas*
- *Create a draft using my ideas*
- *Make revisions that improve the quality of my writing*
- *Find my mistakes and edit my work using a variety of tools*
- *Publish my work and share it with others*
- *Write for different audiences using many formats*
- *Use descriptive words effectively*
- *Present information on a specific topic*
- *Look at my audience, speak so I'm understood, and stay on topic when sharing*
- *Listen to, reflect, and comment on the talk of others*
- *Ask a question to expand the discussion*

Reading

- *Tell the events of a story including the problem and solution*
- *Summarize longer text*
- *Make decisions about the text I read*
- *Ask and answer questions about the text*
- *Predict what will happen next in a story*
- *Use pictures, context clues, and resources to figure out words I don't know*
- *Use many strategies to understand and make connections to the text*
- *Make connections with different types of text*

Social Studies

Civics, Government and Economics

- *Describe the structure of government in the United States and how it functions to serve citizens.*
- *Explain important rights and how, when, and where American citizens demonstrate their responsibilities by participating in government.*
- *Use fundamental principles and concepts of economic activity in the United States.*

Geography and History

- *Use historical thinking to understand the history of the regions of the United States, including the study of native cultures*
- *Understand the regions of the United States using mapping skills*

GRADE THREE

Student "I can" Statements

ELA

Third grade students begin to independently apply their basic literacy skills. Students read, write, and speak with increasing fluency and accuracy.

Mathematics

Third grade students continue to develop their understanding of the number system and place value. They demonstrate immediate recall of addition, subtraction, and multiplication facts and identify, read, and write simple fractions. Students increase their proficiency in solving problems involving money and temperature and describe and compare plane figures.

Science

Third grade students develop a deeper understanding of science concepts and content. Students practice similar scientific and engineering practices as those used by scientists.

Social Studies

Third grade students explore the social studies disciplines of history, geography, civics and government, and economics through the context of the United States.

Student Success Skills

RESPECT:

- Positively and appropriately interact with students and adults
- Respect classroom materials, property of others, and the school environment
- Cooperate, contribute, and collaborate to improve learning for all

RESPONSIBILITY:

- Demonstrate organization and responsibility for personal belongings and learning materials
- Work reflects "best" effort
- Initiate problem solving and recognize when help is needed
- Take responsibility for choices (trustworthy, honest, accountable)

SELF-REGULATION:

- Maintain attention and engage during learning activities and transitions
- Control actions/impulses
- Be aware of where they are supposed to be and what they need
- Recognize emotions, strengths and challenges with a growth mind-set
- Persevere through challenges by regulating responses appropriately