

## Social Studies

### Geography

- Understand the geographic importance of the location of New York State
- Understand the geographic influences of industrialization and expansion

### Government

- Understand the need for representation in government and the election and appointment of leaders
- Understand the need for participation in government and duties of citizens
- Understand importance of the Declaration of Independence, Constitution, & Bill of Rights

### Economics

- Understand that Native American settlements were influenced by environmental and geographic factors
- Understand the development of economic interdependence

### History

- Know the important contributions of Native Americans in New York
- Know the major explorers of New York
- Understand the causes, events, and effects of the American Revolution and know the leaders of the revolution

### Culture/Society

- Understand Native American culture
- Understand the lifestyles in the colonies
- Understand the cultural differences and similarities throughout New York

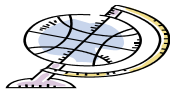
## Science

### Life Science

- Understand elements of an ecosystem, food chains, and webs
- Understand the lifecycle of crayfish

### Physical Science

- Understand electricity and how electric currents flow
- Understand physical properties of matter
- Understand physical and chemical changes



## Science (Continued)

### Earth Science

- Understand the effects of weathering and erosion
- Identify the effects of the Earth's rotation and revolution
- Explore the effects of the moon's movement

### Art

- Understand concepts in proportion and balance and apply them to work
- Create work demonstrating the awareness of other culture
- Develop personal use of color, texture, and variation of lines in 2 and 3 dimensional work



### Music

- Identify patterns in notation
- Perform simple two part songs
- Identify all the families of the orchestra and their members



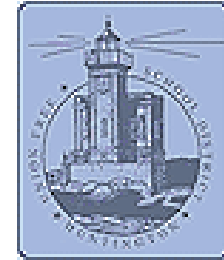
### Physical Education

- Identify and explain safety concepts and rules
- Demonstrate fair play and good sportsmanship
- Recognize fundamental components and strategies used in games and activities



### Library Media Skills

- Use the catalog to locate library materials using call numbers
- Search the catalog using an author, title or subject
- Identify and use a variety of reference sources (i.e.: encyclopedia, almanac, atlas, electronic resources)
- Use a basic works cited format
- Narrow the search for information from the general to the specific
- Use note-taking skills while listening and observing



## Fourth Grade Curriculum

*A Tradition of  
Excellence*

**Huntington  
Union Free  
School District**

**Huntington,  
New York**

## English Language Arts

### Phonics/Structural Analysis

- Use decoding strategies to read unfamiliar words (e.g.: syllables, analogy)
- Identify unfamiliar words using grammar and meaning cues



### Vocabulary

- Analyze root words, prefixes, suffixes, verb endings, plural nouns, contractions, and compound words to learn new vocabulary
- Use self-monitoring strategies to identify vocabulary that causes comprehension difficulties
- Use a dictionary to learn the meanings of words and a thesaurus to identify synonyms and antonyms

### Fluency

- Automatically sight read grade level high frequency words and irregularly spelled words with speed, accuracy, and expression

### Comprehension Strategies

- Read and comprehend grade level texts for a variety of purposes
- Collect data and information from texts
- Understand written directions
- Use comprehension strategies to monitor own reading (predict/confirm, re-read, etc.)
- Organize and categorize text information by using knowledge of a variety of text structures for fiction and non-fiction (i.e.: cause/effect, fact/opinion, directions, time sequence, etc.)
- Compare and contrast similarities and differences found in a variety of written material
- Answer literal, inferential, and critical thinking questions related to grade level text
- Identify and interpret plot, character, and events
- Recognize differences among genres
- Support a point of view with details from text
- Support the main idea with text details
- Judge the accuracy of content
- Engage in independent silent reading
- Lead and participate in discussions about grade level texts by integrating multiple strategies (questioning, clarifying, etc.)

## English Language Arts (Continued)

### Writing/Spelling

- Correctly spell previously studied words, irregularly spelled content and high frequency words in writing
- Use spelling resources

### Composition

- Write in response to the reading of imaginative and informational texts
- Write a variety of topic related and/or self-selected compositions and reports using the writing process
- Write paragraphs that are organized, logical, and use different organization text structures
- Use correct capitalization, punctuation, grammar, and spelling rules to produce final products

### Listening

- Listen attentively for different purposes
- Listen respectfully without interrupting when others speak

### Speaking

- Use grade level vocabulary and conventional grammar in own speech
- Communicate ideas in an organized manner
- Take turns in conversation and offer feedback to others when participating in discussion

## Mathematics

### Place Value

- Use estimation to check reasonableness of an answer
- Order numbers to hundred millions
- Skip count by 1000's
- Read, write, compare, & order numbers to 10,000s
- Estimate numbers up to 500
- Understand number to the thousands place
- Round to the nearest hundred millions



### Addition and Subtraction and Strategies

- Estimate sums and differences
- Add and subtract numbers up to 10,000
- Understand inverse operations
- Problem solve multi-step problems and explain in writing the mathematical processes necessary to reach a solution

## Mathematics (Continued)

### Multiplication and Division Concepts

- Understand properties of multiplication: associative property
- Multiply a two-digit number by a two-digit number
- Understand patterns in multiplication when multiplying by 1, 10, 100, and 1,000
- Use multiplication and division as inverse operations
- Understand the relationship between multiplication and division
- Understand division with remainders
- Interpret the meaning of remainders
- Understand the rules for long division
- Problem solving with multi-step problems

### Measurement, Time, Money

- Use customary and metric units for measurement of length, mass, area, volume, time, etc.
- Display knowledge of area, perimeter, and volume
- Make change using combined coins and bills

### Geometry, Fractions, Decimals

- Identify points, line segments, rays, angles, intersecting, perpendicular, and parallel lines
- Classify angles (acute, obtuse, right, straight)
- Understand fractions on number lines
- Compare and order fractions
- Recognize equivalent fractions
- Add and subtract fractions
- Relate fractions to decimals
- Read, write, add, subtract, compare and order decimals through the hundredths place

### Graphing, Probability, and Ratios

- Represent data using a table, graph, pictograph
- Read a variety of graphs (bar, line, etc.)
- Understand mean, median and mode
- Use ordered pairs to plot data on a graph
- Understand probability and ratios
- Write the probability of an event as a ratio

### Algebra

- Find the value(s) that solves an open sentence