



## A Parent's Guide to Support 4th Grade Success

Please refer to the NYS Next Generation Learning Standards link below:

<http://www.nysed.gov/curriculum-instruction/new-york-state-next-generation-english-language-arts-learning-standards>

### A Sample of What your Child will be Learning in 4th Grade

## English Language Arts

### Reading

#### Fiction

- Follow characters throughout the story
- Determine theme
- Understand the importance of setting and how it impacts the story
- Refer to details when explaining our thinking
- Identify figurative language - Similes, Metaphors, Personification

#### Informational

- Understand the choices that author's make when structuring their texts.
- Summarize the main idea
- Synthesizing information
- Identify structures of an informational text such as cause and effect and compare and contrast

### Writing

- Write realistic fiction stories using the structure, focusing on the problem
- Write informational, opinion essays, small moment stories ideas from the students' lives
- Discuss and write scenes with drama, dialogue, physical movement
- Discuss and write paragraphs that state a thesis and support a claim
- Use personal essay lists to begin planning and writing a persuasive essays

### Vocabulary

- Use chunking strategies to read unknown words
- Use prefixes and suffixes to help them understand the meaning of words
- Use context clues to identify unfamiliar words and phrases

# Mathematics

Please refer to the New York State Next Generation Mathematics Learning Standards link below:  
<http://www.nysed.gov/curriculum-instruction/new-york-state-next-generation-mathematics-learning-standards>

- **Place Value, Rounding, Addition & Subtraction Algorithms**
  - Use place value understanding to fluently add multi-digit whole numbers using the standard addition algorithm, and apply the algorithm to solve word problems using tape diagrams
- **Metric Unit Conversions and Problem Solving**
  - Express metric mass measurements in terms of a smaller unit; model and solve addition and subtraction word problems involving metric mass
- **Multiplication and Division**
  - Multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm
  - Represent and solve division problems requiring decomposing a remainder in the tens
- **Angle Measure and Plane Figures**
  - Identify and draw points, lines, line segments, rays, and angles. Recognize them in various contexts and familiar figures
  - Reason about attributes to construct quadrilaterals on square or triangular grid paper
- **Fractions Equivalence, Ordering, and Operation**
  - Decompose unit fractions using area models to show equivalence
  - Use visual models to add and subtract two fractions with the same units
- **Decimal Fractions**
  - Use metric measurement to model the decomposition of one whole into tenths
- **Exploring Measurement with Multiplication**
  - Solve multiplicative comparison word problems using measurement conversion tables

# Science

- Investigate how the sun's energy is transferred from plants to animals through the food chain
- Observe, describe, design and develop six simple machines make work easier
- Identify and describe the main layers of the Earth by creating a model

# Social Studies

- Illustrate and interpret maps of New York State and the world
- Analyze the colonist's reasons for declaring independence from Britain
- Research about the inventors that helped reform technology and influenced the Industrial Revolution

# Art

- Experiment with the qualities of different painting media
- Make sculpture based on form and explain the differences between three-dimensional and two-dimensional artwork

# Music

- Articulate the elements of music and describe what each one is and read simple rhythms using quarter notes, double eighth note
- Analyze the form of the Dance of The Sugar Plum Fairy and The Russian Dance from the Nutcracker
- Read and perform music using quarter notes/rests, half notes/rests, and eighth note

# Physical Education

- Perform appropriate warm-up and cool-down exercises before and after vigorous activity to avoid muscle injury
- Engage in physical activity and frequent monitoring of pulse rate to reach and maintain a target heart rate for an appropriate amount of time

# How Can I Help my Child at Home?

- Read every day and talk about books with your child
- Ask your child what they are reading in school
- Practice multiplication facts daily
- Play math games
- Talk about math in your everyday lives (at the grocery store, while cookies, etc)

# Websites Your Child Can Use At Home

## Reading:

- **Raz-Kids:** [www.raz-kids.com](http://www.raz-kids.com)
- **Dictionary:** [www.dictionary.com](http://www.dictionary.com)
- **ABCya:** [www.abcya.com](http://www.abcya.com)
- **Children's Library:** [en.childrenslibrary.org](http://en.childrenslibrary.org)

## Math:

- **XMath:** [www.xtmath.org](http://www.xtmath.org)
- **Prodigy Math:** [www.prodigymath.com](http://www.prodigymath.com)
- **Carrot Sticks:** [www.carrotsticks.com](http://www.carrotsticks.com)
- **Fact Monster:** [www.factmonster.com](http://www.factmonster.com)

## Science and Social Studies:

- **Brainpop:** [www.brainpop.com](http://www.brainpop.com)
- **PBS Learning:** [www.pbslearningmedia.org](http://www.pbslearningmedia.org)

# Hillcrest Elementary School Information



**Principal:** Mr. Randy Lichtenwalner  
**Assistant Principal:** Mrs. Crystal Hernandez  
**Location:** 4 Horton Dr., Peekskill, NY 10566  
**Phone Number:** (914) 739-2284  
**Fax Number:** (914) 737-9053  
**School Hours:** 8:20 AM to 2:50 PM