A Parent’s Guide to Support 4th Grade Success

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

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:

- **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
- **Dictionary**: www.dictionary.com
- **ABCya**: www.abcya.com
- **Children's Library**: en.childrenslibrary.org

Math:
- **XMath**: www.xtmath.org
- **Prodigy Math**: www.prodigymath.com
- **Carrot Sticks**: www.carrotsticks.com
- **Fact Monster**: www.factmonster.com

Science and Social Studies:
- **Brainpop**: www.brainpop.com
- **PBS Learning**: 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