

# FANTASTIC FIFTH GRADE

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PS221Q –North Hills School  
Little Neck, NY

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## **Mathematics**

Unit of Study: Algebra: Patterns and Graphing

Students will:

- Make and use line plots with fractions to solve problems.
- Collect and graph data on a coordinate grid using ordered pairs.
- Analyze and display data in a line graph.
- Use two rules to generate a numerical pattern and identify the relationship between the corresponding terms in the patterns.
- Solve problems using the strategy *solve a simpler problem*.

### *A way to help at home:*

Discuss graphs found in newspapers, magazines or books, and look for patterns. These experiences provide meaningful opportunities for your child to model with mathematics.

## **Social Studies**

Unit of Study: United States Case Study

Students will:

- Explore how the geographic features and regional characteristics of the United States influence human settlement, land use, and economic activity.
- Explore how the culturally rich traditions across the United States reflect the diversity of the nation.
- Understand how a country's interpretation of its history reflects on its culture
- Investigate the forces and events in United States history that led to the growth and transformation of the nation.

### *A way to help at home:*

Create riddles with your child that explore United States geography, including locations of states, cities, and geographical features. An example of a riddle might be: *I am not a capital city, but I am the largest city in this eastern state. A large monument of a woman welcomes visitors from all over the world.*

*Answer: New York City, New York*

## **Writing**

Unit of Study: Writing to Answer Questions

Students will:

- Apply and practice strategies and skills from our Literary Essay Unit to answer short and extended response questions.
- Utilize strategies, such as, echoing the question, using supporting details from the text or texts, and explaining why these details are relevant, in their response.
- Practice using a planning page to organize their ideas for extended response questions.

### *A way to help at home:*

Encourage your child to go back to the question when they are finished to ensure that they've answered all parts of the question in their writing and continue to emphasize the importance of proper mechanics, including capitalization, punctuation, and transitional phrases.

## **Reading**

Unit of Study: Reading Across a Variety of Genre

Students will:

- Build reading skills and strategies to perform successfully on reading assessments.
- Apply reading comprehension skills and strategies to a variety of genres.
- Understand and follow directions.
- Analyze multiple choice, and short and extended response questions to better prepare to answer them.

### *A way to help at home:*

Encourage your child to read a variety of genres, including short stories, informational texts, and poetry.

## Music – Mrs. Glemboski

### MUSIC – MRS. GLEMBOSKI

In 5<sup>th</sup> Grade Music, students are continuing to learn about how to play the guitar. In addition to guitar, students will obtain a deeper understanding of vocal techniques in choral music. We will begin to explore different styles of music and practice performing these pieces both on guitar and with our voices. We will learn how to accompany ourselves by learning some familiar folk tunes on the guitar. Please visit our new music website at:

<http://mrsglemboskismusicroom.weebly.com/>

## Computers – Mr. Caniano



This month our fifth graders will continue their unit on *Scratch*. The students will use the code blocks to create their own games and animations. Each game will include a background and multiple sprites (objects within Scratch that can be programmed to move). We will also discuss how to create dialogues, and design our own backgrounds. Please encourage your child to continue to work with Scratch at home for added practice. Each child has their own account for home access. Please contact me if you have any issues logging in.



## Art – Ms. Pecoraro

Thank you so much to everyone who participated and supported Family Art Night! This month we will be working on special artworks for a school wide fundraiser that will take place later this year!...Square 1 Art is back! ☺

### Supporting the Arts at Home:

Take time to look at artwork with your child in a book, online, or in a museum/gallery. Have a discussion about what you see and how the artwork makes them feel. If you find an artwork that inspires you, create a drawing or similar artwork of your own!

## Physical Education – Mr. Stewart



Our 4<sup>th</sup> graders will continue working on key elements of health related and skill related fitness. We introduced a student led teaching model. This model allows students the opportunity to lead competitive stations, where their peers can showcase talents and earn prizes. We continued to work on assessing our personal performance with the help of our peers. We learned the formula to calculate % increase and applied to our fitness scores of the past few months. This is so students understand the importance of growth. We will begin a curriculum focused on staying healthy and preventing the spread of sickness.

## Science – Mrs Rothenberg

**Unit Question** - What happens when two substances are mixed together?

Our fifth graders will continue their work as food scientists this month. So far they have learned:

- All molecules of one substance are exactly the same, and they are different from molecules of any other substance.
- Different molecules have different properties.
- The properties of a substance are determined by the properties of its molecules.
- Some solids dissolve in water, and others do not.

**This month we will investigate the following questions:**

**Chapter 2: Why do some salad dressings have sediment and others do not?**

**Chapter 3: Why can salad-dressing ingredients separate again after being mixed?**

### ***Looking Ahead:***

**1<sup>st</sup> – Dr. Seuss Day & Pajama Day**

**6<sup>th</sup> – Family Fitness Night**

**10<sup>th</sup> – Daylight Saving Time begins**

**12<sup>th</sup> – Report Card Distribution**

**13<sup>th</sup> – Scholastic Book Fair**

**14<sup>th</sup> – ½ Day for Parent Teacher**

**Conferences – 11:30 dismissal**

**17<sup>th</sup> – St. Patrick's Day**

**19<sup>th</sup> – District 26 STEAM Fair at PS 221**