Science Newsletter May/June for K-Grade 2

Pre-K - Students will be learning about living things and life cycles. We will be observing the life cycle of a butterfly as we watch caterpillars become Painted Lady butterflies.

Kindergarten

The FOSS **Animals 2 by 2 Module** provides students with close and personal interaction with some common land and water animals. Habitats are established, and students learn to care for the animals. Students observe and care for one animal over time, and then they are introduced to another animal similar to the first but with differences in structure and behavior. This process enhances opportunities for observation, communication, and comparison.

Kindergarten will have the opportunity to hatch chicken eggs in the classroom. The 4-H Incubation and Embryology Project is an observational science project that offers teachers the opportunity to satisfy STEM goals, use Language Arts skills and encourage observations and critical thinking. The students AND the teachers are looking forward to meeting this years batch of feathered friends.

You can help your child by taking a trip to the Bronx Zoo, every Wednesday is donation day!

1st Grade

In Science we will be studying air and weather. Students turn their focus to the sky to make observations that will heighten their awareness, curiosity, and understanding of Earth's dynamic atmosphere and the observable patterns of objects in the sky. Students explore the natural world by using simple instruments and calendars to observe and monitor change.

Students find out about properties of air by exploring how objects interact with air. Students observe daily changes in air temperature and connect them to the daily movement of the Sun in the sky. They monitor changes in hours of daylight over the seasons and connect them to changing weather conditions. And they find the Moon in the day and night skies and monitor its movement over the month.

2nd Grade

In Science we will be learning about insects and plants. This FOSS module provides students with life science ideas dealing with structure and function of living things, growth and development of plants and animals, interactions of organisms with their environment, and biodiversity of organisms on land and in water. Students observe the life cycles of insects and compare the stages exhibited by each species to reveal patterns. At the same time, students grow one type of plant from seed and observe it through its life cycle to produce new seeds. They gain experience with the ways that plants and insects interact in feeding relationships, seed dispersal, and pollination, and students develop models to communicate their understanding. The NY Botanical Garden is an excellent resource that has pay as you wish donation days every Wednesday