



Dear 3's STEAMer Families,

We are off to a great start in our STEAMers class! In September we explored coconuts with our senses, built towers out of different objects and explored all things apples!

This month, we begin by observing traits about ourselves and others to discover how we are alike and how we are different. The rest of the month we will explore some fun themes - spiders, monsters and barn building and of course pumpkins!

October 1 Exploring Force: Magnetic Spiders

The Very Busy Spider by Eric Carle will spark our discussion and exploration about spiders. We use our classroom Chromebooks to “research” types of spider webs. Students will create their own spider web. The challenge for the day is to use magnetic force to move the spider across the web. There will be magnetic tinker tubs for experimenting at centers as well as play dough to make spiders and count legs and spider ring stacking and patterning.

October 8 Full STEAM Ahead: All About Me

Our challenge for the day is to design and build a face with loose parts such as buttons, yarn, and shells to name a few. Students will then use a camera to take a picture of their face to build a class bulletin board. We will make self portrait pictures to use in our block building center and have a chance to explore our fingerprints with a magnifying glass. We will use observation to see things that are alike and things that are different about us.

October 15 Monster Fun: Chemical Reactions

We will make monster slime together as we describe how the ingredients change as we mix them. Children will make ink blot monsters in our art center and build with a new toy. We will predict and observe what happens when you mix several household chemicals. We will use this knowledge to perform magic to inflate a monster balloon.

October 22 Engineering: Barn Building

The *Big Red Barn* will set the tone for us as we discover life on a farm. Using our Chrome books, we will research types of barns and the farm animals they house. Our challenge will be to build a barn that holds the most animals. Our gross motor activity will have us move like our animal friends. We will have some fun songs to sing as well!

October 29 Pumpkins: Force, Motion and Gravity

As we get closer to Halloween, we will carve a pumpkin to discover the parts of a pumpkin and learn about its life cycle. The challenge of the day is to discover different ways to move a heavy pumpkin across the pumpkin patch. Children will explore inclined planes and how this may help in moving a pumpkin.

Beginning in October, we will start our STEAMer of the Week. Each week, a different student will have the opportunity to bring to school something that they love about science, technology, engineering, art or math to share with their classmates. They can do an experiment, bring in a fun rock collection or maybe a lego structure or even an artistic masterpiece. This will be a blast!

Looking forward to an awesome month,

Ms. Amy