



## KING'S ELEMENTARY SCHOOL

### DISCOVERY Fridays

**DISCOVERY Fridays** provide new, exciting, enriching opportunities to all students in the areas of science, technology, engineering, math, robotics, art and music. These high interest and interactive sessions will be taught at each grade level in K-3 and in a multi-grade format in 4-6. Every class will enhance and inspire students in their **hands-on inquiry learning experience**. Parents are encouraged to participate in assisting teachers!

## Example Class Offerings

### Kindergarten—Third Grade

- ◆ Working in pairs or individually, children will explore shapes and colors as they creatively design a robot using foam pieces. The robots will be attached to a banner. They will need to experiment to create a robot that fits the criteria.
- ◆ On our iPads we will be constructing 3 dimensional lego trucks and helicopters and using them to bring our cargo to the correct destination.
- ◆ Students will design a spinning top! The students will learn about physics and the principles involved while spinning tops.
- ◆ We will explore a series of famous buildings around the world, learn about engineering concepts and the work that goes into creating structures. Given a set of design tools and challenges, students will then build their own pyramids and test them to see if they can withstand a simulated earthquake.
- ◆ Students will become detectives by conducting science experiments looking for secret ingredients in some of our favorite sweet treats. Students will discover and record new information regarding candy.

### Fourth-Sixth Grade

- ◆ Students will rev up the skills they need to become first-rate news reporters and TV producers. We'll step into journalism 101 with the 5W's and begin compiling investigative stories to be videoed, recorded, produced and broadcasted on KELM Channel 28 TV.
- ◆ Students will familiarize themselves with latitude and longitude to discover how using GPS can help them pinpoint absolute locations versus relative locations.
- ◆ Beyond the Frame will cover photography at different angles (up, down, and straight angles). How can different angles impact perspective and change a shot? After taking photos, we will learn to use the Snapseed app on the iPads.
- ◆ Students become part of an intense mock trial, becoming lawyers, witnesses and judges. Find out what a real courtroom looks like!
- ◆ Students will be introduced to the exciting field of computer programming by exploring the framework of *Scratch*. The students will apply computer skills and their creativity to develop interactive movement and computer animation.