

# SCIENCE EXPLORERS®

## After-School SCIENCE CLUBS

### Slime Time

Prepare to get elbow deep in gooey fun as we make different slime creations over this 3-week intro into the world of polymer chemistry. You'll make amazing color changing slime, textured slime with growing orbs, and neon slime that you can turn into art!

### Magical Mixtures

Join Science Explorers Magical Mixture lab and explore the science behind the magic! Reveal a rainbow of colors during our acid and base investigation, mix up an exothermic reaction to create a "matter monster", conduct experiments on mystery powders, and uncover the secrets of glow-in-the dark slime, disappearing crystals, and magic sand. These fun filled experiments will amaze you and your friends!

### Invention Lab

Calling all inventors! If you like to tinker with things, then boy do we have a club for you. Make a metal detector, create a circuit with a switch for your own mini shiner, construct a cool catapult, and build a circuit to send secret messages with Morse code.

### Blinded by the Light

LIGHT! It bends, it bounces, it scatters! Explore the science behind color and light in this exciting hands-on exploration of the science that illuminates our world. Make a rockin' rainbow tube, create a light maze, experiment with UV detectors, and make a luminescent goo tube.

### Anatomy Academy

Head, shoulders, knees and toes, eyes, ears, mouth and nose... lungs, heart, brain and skin... where should our Pre-Med club begin? Take a journey into the human body as you examine your heaviest organ (your skin!), find out how to make your memory better, and learn how the heart pumps blood. We'll continue our fun in the lab as we grow polymer brains, examine a real sheep heart, make a model lung, and extract DNA from a banana.

### Earth's Mysteries

Join us as we learn more about this planet we call home. Find out who is predator and who is prey in the food chain as we dissect an owl pellet and see what was for dinner, discover strange animals that glow, investigate non-point pollution, and make a filter to clean water. There is so much to learn about our fascinating world!

### Crazy Coding with Rad Robots (grades K-2)

(Available only at select locations)

Join us for a club full of robotics, programming and pre-coding concepts. Every week we will get one-on-one exploration time with Rad the Robot as we help him find his way through our hands-on challenges. We'll learn the basics of sequential key programming and algorithms as we help Rad play a game, see what happens when Rad makes a mistake, learn how we can help him "debug" a program, and help Rad find a treasure. At the end of each club, we will reinforce learning with our tech circle time and students will be rewarded with a collectible sticker that highlights the new concept and vocab word of the day.

### Robotics 101 (grades 3-5)

(Available only at select locations)

Come and explore the world of programming, sensors and artificial intelligence. We'll be learning about basic robotic sensors, how robots think and how to control robotic behaviors. Each week is a great opportunity for students to use their Computational Thinking skills to complete challenges and games. Students will design and build a robotic lion with a sound sensor, build a crazy robotic insect with an infrared sensor, participate in a wild bug race, and program a robot to write their name.

NEW FOR 2018/2019

