



Grade K: Mini Lab Boxes **Please choose one Mini-Lab for your field trip.**

Physical Science

Mini-Lab #1 Chemistry Chaos

Your class will learn about the States of Matter and the difference between a chemical and physical reaction. Students will come to the understanding that everything is considered a chemical.

Projects include: Creating Funny Putty, Making the best Kool Aid, and demonstrating a “Chemical Explosion”.

Mini-Lab #2 Investigating Water

Students learn that water can exist as a solid, a liquid, or a gas and find out how water changes from one state to another. They observe that objects either sink or float in water and that some substances dissolve in water. Students will also learn about the importance of the Water Cycle.

Projects include: Water Cycle Wheel, Float Your Boat, and Disappearing Water.

Mini-Lab #3 Waves: Light and Sound

Students will develop an understanding of how to observe and manipulate sound and light. Students learn that sound comes from vibrating objects. They explore how to change sound volume and pitch, and develop simple models for how sound travels from the source to the receiver. With light, students also work with sources and receivers. They find out that light is composed of a variety of colors.

Projects Include: Woodwind Instrument, Glow Stick Fire Fly, and Diffraction grating glasses.