



Grade K: Mini Lab Boxes

Please choose one Mini-Lab for your field trip.

Physical Science

Mini-Lab #1 Forces: Pushes and Pulls

Students investigate the strength of pushes and pulls needed to move objects. They use gravity to investigate collisions. Students find ways to change the strength and direction of the pull on a rolling ball to meet design challenges. Finally, they change the strength of the push on a canister rocket to explore cause and effect.

Projects include:

The Pocket Rocket, Rolling Race Car, Forces with Rock Magnets.

Mini-Lab #2 The Scientific Method

Students discover how scientists really work. Through a series of experiments, the class will ask questions, hypothesize, collect their data, come to conclusions, and explore some additional questions.

Projects include: The Penny and Salsa Challenge, The Gummy Bear Experiment, and Milk Coloring Explosion.

Mini-Lab #3 Investigation of Properties

Your little scientists will love to explore things with their hands as they free play with their mini-lab contents. Students use their hands and eyes to classify and sort by color, size, shape, and texture. They compare and contrast objects by weight, buoyancy, magnetic attraction, and material composition. As they practice distinguishing and grouping objects, they also build two vital vocabulary skills: describing and explaining.

Projects Include: Sorting and Classifying, Floating or Sinking, Making Oobleck,