Grade 6-8: Mini Lab Boxes
Please choose one Mini-Lab for your field trip.

Earth Science

Mini-Lab # 1 Weather & Climate

Students come to understand the science concepts to explain meteorology. Factors such as air pressure and wind, convection, heat transfer, airflow, water in the air, and the water cycle. Your class will then make a distinction between weather and climate and consider evidence for climate change.

Projects Include: Water Cycle Wheel, Weather Station, Weather is what you get-climate is what you expect activity.

Mini-Lab #2 Earth & Space Systems

Students focus on the Sun, Moon, Planets, and the Earth's place in the solar system. Students collect and analyze shadow data. Students make and interpret a model of the Earth, Moon, and Sun system as well as observe changes in the Moon's appearance over time.

Projects Include: Moon Phase Chart, Solar System Model, and Constellation Geo Board.

Mini-Lab # 3 Pollution Solution

Students learn how human and natural activities can cause land, air, and water pollution. They learn what can be done to reduce pollution and conserve natural resources. They experiment and build devices that teach them the difference between renewable and nonrenewable resources

Projects Included: Oil Spill Disaster, Water Filtration Device, And Solar Night Light

Mini-Lab #4 Mineral Mania

Your class will learn the relationships between minerals, rocks, and soil. Students will learn the characteristics that distinguish one mineral from another by examining streak, color, and hardness as well as other attributes.

Projects Include: Mineral Hardness Test, Rock Cycle Key, And Mineral Hunt. Students will receive rock and mineral sample to take with them.

Mini-Lab #5 Plate Tectonics

Your class will discover the constructive and destructive forces that create the Earth's different landforms. Students will come to understand about the Ring of Fire, types of volcanoes, and other dramatic geological events.

Projects include: Edible Tectonic Plate Model, Simulate Volcano, and Ring of Fire Model.