

Earth Science Kits

Air and Weather - 1st - Students study the properties of air and find that it is matter and takes up space. They use basic weather tools to gather information about temperatures, rainfall, wind and clouds. Students observe movement of objects in the air, including clouds and objects affected by moving air.

Pebbles, Sand and Silt - 2nd - Students study the properties of rocks and soil. They group and seriate rocks on the basis of single, observable properties. They study properties of different kinds of soils and explore natural resources as building materials.

Earth Materials - 3rd or 4th - Students gain experience with 12 of the most important rocks and minerals on Earth, discovering that rocks are made of combinations of minerals. Student use properties of minerals and rocks (color, hardness, chemical reactions) to identify and organize earth materials and explore them as natural resources.

Landforms - 4th or 5th - Students use stream tables to gain experience with models, maps, and the concepts of erosion and deposition. Students are introduced to fundamental concepts in earth science: change takes place when things interact; all things change over time; patterns of interaction and change are useful for explaining landforms.

Water 3rd or 4th - Students investigate the most important substance on Earth, water! They explore properties of water, changes in water, interactions between water and other earth materials, and how humans use water.

Solar Energy - 5th - Students experience solar energy and investigate the variables that affect energy transfer. They see how differences in the size and position of shadows indicate the position of the sun, and later assemble model houses and heat them with solar energy.