

# Earth Science

## Properties of Earth



Your **CKA Earth Science Kit** has been specially designed to match the California Science Content Standards for Kindergarten. The kit includes all the materials you will need for tons of hands-on science exploration and discovery—from rock samples and geodes to a complete Instant Learning Center all about weather and the four seasons.

We've also included a series of activity cards. Each card features a list of the materials needed, plus step-by-step instructions for completing each activity. There's also a handy section listing the content standards that are covered by each activity... plus extension activities and a list of related literature (if applicable).

Use the instructions on the activity card to guide students through the process. Your students will be on their way to success in science learning!

For your convenience, we have included a list of the materials included in your kit on the back of this card.

# ***Materials Included in the Kit:***

- 7 activity cards
- Weather & Seasons Instant Learning Center
- Our Earth paperback book
- Geode sample assortment
- 4 plastic hand sieves
- Rock sample assortment
- Plastic storage box for rocks
- Jumbo specimen viewer
- Hand magnifier
- 14 water & landforms photo cards
- Red discovery tray
- Write & wipe prediction chart
- Write & wipe sorting mat

- Write & wipe KWL chart (What I know / What I want to know / What I learned)
- Storage tub

**NOTE:** Materials not included in the kit are listed in italics on the activity cards.

## **Preparing the Rock Samples for Use:**

The rock specimens included in the kit are packaged in plastic bags when they are shipped. To prepare them for use, simply take the rocks out of the bags and place them in the plastic storage box. To keep track of which rock is in each space, you may want to remove the labels from the plastic bags and stick them to the bottom of the storage box.

# Earth Science

Describing characteristics of landforms and the inhabitants



## Activity I: Discovering Landforms

### Materials needed:

- Our Earth paperback book
- Water & landforms photo cards
- Write & wipe KWL chart (What I know / What I want to know / What I learned)
- *Old magazines*
- *Write & wipe marker*

### Science content standard:

3. Earth is composed of land, air, and water. As a basis for understanding this concept:
  - a. Students know characteristics of mountains, rivers, oceans, valleys, deserts, and local landforms.

For activity, turn this card over.

# What to do...

- Before starting any activity, fill in the first two sections of the KWL chart with your class. What do students know about landforms? What do they want to know? After the activity, fill in the last section with what students have discovered. **NOTE:** Use only write & wipe markers on the chart.
- Read the book Our Earth with the class to introduce the concept.
- Explain that the Earth is made up of many different kinds of landforms. Discuss that each landform has its own unique characteristics, including the weather and different animals and plants that live there.
- Hold up each photo card and ask students if they know the name of the landform or feature shown. (You may also want to find pictures of landforms that aren't included, such as mountains, valleys, and oceans.) What do students know about each one?
- Discuss each landform separately, pointing out its weather, inhabitants, and where in the world you can find land of this type. Ask students if they know of any local areas of this type. Compare and contrast the landforms.
- **Extension Activity:** Create a landforms bulletin board display. Ask students to draw different landforms. Then, have them search through magazines and cut out pictures of animals that live in each place (i.e., desert–camel, ocean–whale). Hang the pictures near the matching landforms.
- **Extension Activity:** Find pictures in magazines of deserts, mountains, oceans, etc.