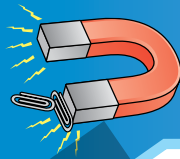


# Physical Science

## Properties of matter



Your **CKA Physical Science Kit** has been specially designed to match the California Science Standards for Kindergarten. The kit includes all the materials you need for tons of hands-on science exploration and discovery—from manipulatives and magnets to charts and a simple balance scale.

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 which content standards are covered by each activity...plus extension activities and a list of related literature (if applicable).

Use the instructions on the 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.

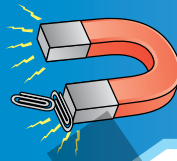
# ***Materials Included in the Kit:***

- 7 activity cards
- Balance scale
- 3 plastic measuring cups
- Science Specimens Sorting Center
- Set of 2 seashells & 1 starfish
- 2 small graduated cylinders
- Drawstring “feely” bag
- Set of assorted manipulatives (including rubber duck, miniature chair, bell, etc.)
- Set of assorted magnets
- Paper clips
- Sink or Float Discovery Kit
- Set of assorted natural objects (including feathers, pine cone, sponge, etc.)
- Clear plastic container
- Small magnifier
- Blue discovery tray
- Stick-on label for discovery tray
- What Magnets Can Do paperback book
- Magnet sorting chart
- Write & wipe prediction chart
- Write & wipe KWL chart (What I know / What I want to know / What I learned)
- Storage tub

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

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### Activity 1: Object Sorting

#### Materials needed:

- Set of assorted manipulatives
- Sorting mats and natural items (from Science Specimens Sorting Center)
- Blue discovery tray
- Balance scale
- Write & wipe KWL chart (What I know / What I want to know / What I learned)
- Write & wipe marker

#### Science content standards:

1. Properties of materials can be observed, measured, and predicted. As a basis for understanding this concept:
  - a. Students know objects can be described in terms of the materials they are made of (e.g., clay, cloth, paper) and their physical properties (e.g., color, size, shape, weight, texture, flexibility, attraction to magnets, floating, sinking).

For activity, turn this card over.

# What to do...

- Place all of your learning center materials in front of you.
- Describe the characteristics of the different sorts, and model using a few of the materials.
- Ask students to choose a sorting mat (such as “hard/soft”) and place it in the blue discovery tray.
- Have students sort the manipulatives onto the mat. (NOTE: You may want to explain how to use the balance scale to help students with the “heavy/light” sort.)
- Once students have sorted the objects, ask them to explain why they put certain objects together.
- When students have completed one sort, have them remove the objects and mat from the tray. Then, they can choose another sorting mat and repeat the activity.
- When students understand the concept, allow them to create their own sort. Have them write the two categories at the top of the blank write & wipe sorting mat. Then, let them sort manipulatives onto the mat. When they are finished, check to see that they have completed their sort correctly. **NOTE:** Use only write & wipe markers on the mat.
- **Extension Activity:** Before sorting the objects, fill in the first two sections of the KWL Chart with your class. What do students know about the objects? What do they want to know? After the activity, fill in the last section with what students have discovered.