

**Scott Foresman**  
**SCIENCE**

**Grade 1**  
**Equipment Kit**  
**Guide**

**Unit D**  
Human Body

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# Equipment Kits and Teacher's Guide

## Equipment Kit Management

### About Your Kits

The equipment in *Scott Foresman Science* is packaged in sturdy plastic bins for your convenience. The quantities included support eight groups of four students each.

### Unit Kit/ Grade Level Kit

The Unit Kit contains most of the items you will need to conduct hands-on activities with your students. Equipment for each unit is contained in one or two bins. The Unit Kit is designed to be purchased separately. Each bin is clearly labeled with the grade level, bin number, unit name, and contents. A label inside the lid of each bin references the materials by activity. Only activities requiring kit items are listed.

Unit Kits are also available in a Grade Level Kit configuration. In this format, a common bin eliminates items duplicated across the units for cost savings and convenience.

### Demonstration Kit

The Demonstration Kit gives teachers the opportunity to rehearse activities before conducting them in the classroom. Kit-provided materials for each activity are pre-packaged and labeled for easy identification. When used in conjunction with the activity videos, the demonstration kits make it easy to prepare and conduct all investigations and experiments.

### Storage of the Kits

Your equipment is packaged in sturdy, translucent plastic bins and labeled for easy storage and access. Bins may be stacked or stored on shelves or carts. Bins are labeled on all sides for quick identification and location of items. This provides convenient organization of materials before and after use.

### Replacement Materials

Use the Packing List/Replacement Parts Price List to reorder items as needed for the Unit Kit or Grade Level Kit. These order forms are packed in the plastic bins and can be photocopied. Each list provides a column for entering the quantities of items you need to replace. Materials are organized alphabetically and identified as consumable or nonconsumable.

Complete consumable Replacement Kits are available as well. These kits replenish all the consumable materials for each Unit Kit or Grade Level Kit.

### Using the Teacher's Guide

This guide will help you better prepare to conduct the program activities in your classroom. Reviewing the guide while practicing with the activity video and demonstration kit or simply reading the guide upon receiving your classroom kit will make it easy to facilitate an activity with your students.

## **Getting Started**

Familiarize yourself with the kit contents. To make sure your shipment is complete, check the packing statement provided with your kit.

## **Activity Notes**

The Activity Notes in this guide provide comprehensive information to make your activity sessions a success. This information may include:

### **Video Segment**

The video segment number is indicated to help you cue the tape to each Investigate and Experiment activity.

### **Materials**

A materials list for each activity identifies kit-supplied and school-supplied materials. Use this list as a check of your kit contents and as a list for class preparation.

### **Material Substitutions**

For increased flexibility, material substitutions, when appropriate, are indicated.

## **Advance Prep**

These instructions offer preparation guidance as necessary. With these suggestions, you will always be well prepared to conduct activities in your class.

## **Hints and Tips**

Detailed hints and tips help to ensure student success in the classroom. Notes range from how to enhance students' success to increasing your understanding of activity concepts.

## **Safety Notes**

While safety should be practiced at all times for each activity, it may be necessary to consider specific activity concerns. These notes give activity-specific safety tips.

## **Additional Comments**

This section provides extension ideas, alternate activities, and other helpful information.

## Tell what is in the bag.

*Explore Activity (D7)*

### Materials (per group)

Kit Items	School-Supplied Items
none	classroom objects paper bag

### Safety Note

Make sure the classroom objects do not have any sharp tips or edges that may injure children's fingers.

### Additional Comments

Have children write a list of descriptive words to help them explain what they are feeling in the bag.

## What sounds do you hear?

*Investigate Activity (D12–D13)*

### Video Segment 1

### Materials (per group)

Kit Items	School-Supplied Items
none	containers with lids index cards classroom objects

### Advance Prep

- Collect yogurt containers or clean, empty milk cartons as containers to hold the objects.
- Number each container in advance.
- On an index card, write the name of the object or draw a picture showing the object in each container.

### Additional Comments

Write each classroom item on the chalkboard to help children identify words.

## Experiment with sight.

*Experiment Activity (D14–D15)*

### Video Segment 2

#### Materials (per group)

Kit Items	School-Supplied Items
none	ball safety goggles with one eye covered

#### Material Substitutions

If you do not have a ball available, children can toss large pieces of crumpled paper instead.

#### Advance Prep

When preparing the goggles, make sure that the side is blocked as well as the front.

#### Additional Comments

Prepare a class chart and record each set of findings. Encourage a discussion comparing or contrasting the results.

## Tell what you smell.

*Science Center Activity (D15a)*

#### Materials (per group)

Kit Items	School-Supplied Items
lemon extract mint extract orange extract cotton balls	containers with lids (such as yogurt containers) items with a strong scent such as coffee, mustard, cinnamon, onion, perfume, toothpaste

#### Advance Prep

Number the containers and punch holes through the lids. Yogurt containers work well for this activity.

#### Safety Note

Caution children not to rub their eyes after touching any of the soaked cotton balls.

## See how you have grown.

*Explore Activity (D21)*

### Materials (per group)

Kit Items	School-Supplied Items
none	baby picture recent picture

### Advance Prep

Send a letter home with children several days in advance requesting baby pictures and recent pictures of children.

### Hints and Tips

You may wish to use a camera to take current photos of children.

### Additional Comments

Create a board with “Then” and “Now” pictures of the entire class. Invite children to write a short description of how they have changed.

## How can you measure your body?

*Investigate Activity (D24–D25)*

### Video Segment 3

### Materials (per group)

Kit Items	School-Supplied Items
tape measure	none

### Material Substitutions

Non-standard measures such as paper clip chains can be used in place of a tape measure.

### Hints and Tips

- Make sure children understand that one side of the tape measure shows centimeters and the other shows inches.
- Review estimating and measuring with children. Explain that a tape measure and a ruler are used for similar purposes.

## **Make a time line.**

*Science Center Activity (D25a)*

### **Materials (per group)**

<b>Kit Items</b>	<b>School-Supplied Items</b>
none	paper crayons pencil

### **Hints and Tips**

Use long sheets of paper or tape two 8 1/2 x 11-inch sheets of paper together.

## **Observe your teeth.**

*Science Center Activity (D29a)*

### **Materials (per group)**

<b>Kit Items</b>	<b>School-Supplied Items</b>
hand mirror, plastic 4 x 6 inches	paper blue crayon red crayon

### **Safety Note**

Have children wash their hands before doing this activity since they may put their fingers in their mouths to count their teeth.

## Classify foods.

*Explore Activity (D35)*

### Materials (per group)

Kit Items	School-Supplied Items
none	paper pencil crayon

### Hints and Tips

Have children begin by classifying the foods they have already eaten that day.

## Is it easier to balance with eyes open or closed?

*Investigate Activity (D38-D39)*

### Video Segment 4

### Materials (per group)

Kit Items	School-Supplied Items
none	pencil paper

### Advance Prep

Find a space large enough for children to do this activity. Allow space for them to lose their balance.

## **Make a healthy lunch.**

*Science Center Activity (D43a)*

### **Materials (per group)**

<b>Kit Items</b>	<b>School-Supplied Items</b>
none	construction paper glue scissors crayons

### **Hints and Tips**

Children's sample lunch should have foods representing all six groups of the Food Guide Pyramid.

### **Safety Note**

Be sure children know how to use scissors properly.