

# PREPARING FOR THE ACTIVITIES—QUARTER 1

## CLASSROOM MANAGEMENT

### Materials

You may want to familiarize yourself with the materials used in this quarter before beginning the activities. We suggest that you refer to the Quarter 1 Materials List on page 35 of this guide as you review the materials in the drawers of the kit. (The contents of each drawer are listed on the drawer labels.)

Before beginning each activity, review the Materials list and the Preparation required for the activity. The Materials list indicates which items will be used in the activity, how many of each item will be needed for each individual and each student team, and the size of each team. We recommend that you ask student helpers to assist you in locating materials and preparing for each activity.

After you have completed the quarter, make a list of any items that need to be ordered for the next use. For information, call 1-800-258-1302.

### Distribution Stations

The most efficient way to distribute materials during an activity is to set up distribution stations from which students can obtain materials as needed. If space in your classroom is limited, you may have room for only one station. If you have more space, we recommend setting up two or three distribution stations, each containing about half or one third of all the materials listed in the Materials list for each activity. In this way, each distribution station will contain all of the different items used in the activity, and students will not need to visit more than one station to obtain all of their materials.

### Cooperative Learning

The **Broward County Hands-On Science** program encourages and promotes cooperative learning strategies. The quantity of materials

included in each kit allows small groups of students to investigate phenomena and individual students to make observations and report what they have learned. The interaction between team members is an integral part of each activity and enhances individual outcomes.

## ADVANCE PREPARATION

**Activity 2:** You will need some vegetable oil and a roll of waxed paper.

**Activities 6 & 7:** You will need one resealable plastic bag.

**Activity 9:** You will need to seal a funnel to the mouth of a plastic bottle with clay for a demonstration. You will then pour water into the funnel. The object of the demonstration is to show that air in the bottle “holds up” water in the funnel. You will need to make sure that there are no air holes in the seal for this demonstration to work. You might want to practice it.

## MATERIALS MANAGEMENT

In **Activity 8**, students will be working with quantities of water. Keep paper towels handy and instruct students to wipe up spills when they occur.

Tell students not to taste or lick the objects on their trays in any of the activities.

