

PEBBLES, SAND, AND SILT MODULE

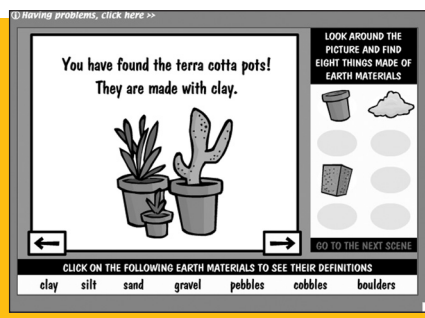
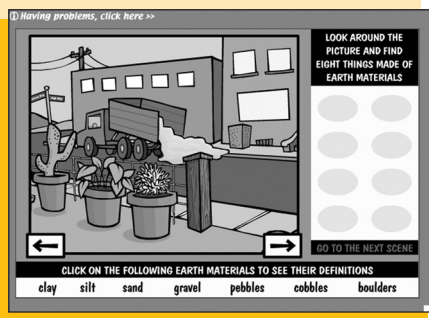
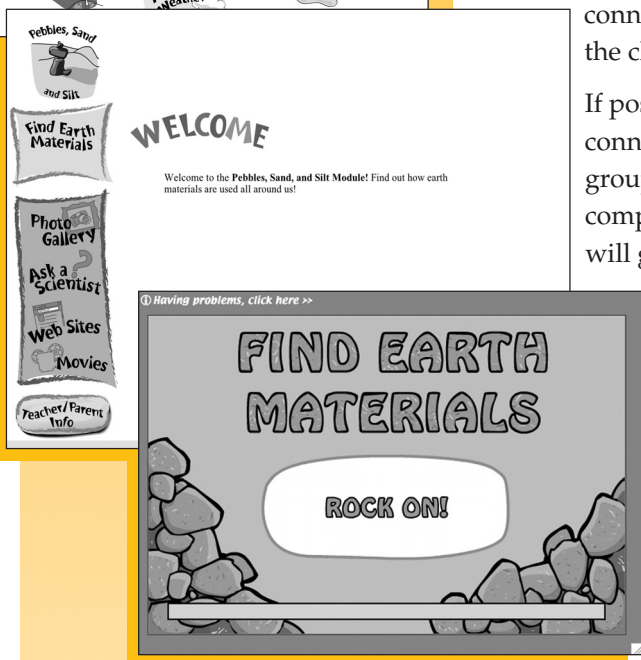
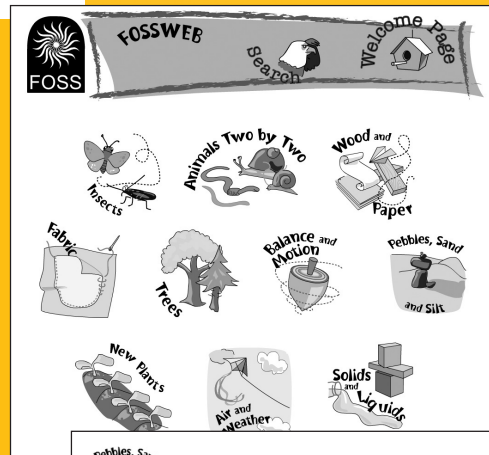
On the Welcome page, click Preview under the grades K–2 flag to see a brief overview of the K–2 site.

Click the grades K–2 icon to get a menu that links to each of the K–2 modules. There you can choose Pebbles, Sand, and Silt and travel to a wealth of information and activities specific to that module for students, parents, and teachers. The section for students has an interactive activity, a photo gallery, an “Ask a Scientist” section, websites, and movies. Parents and teachers can go to a module summary, a vocabulary list, a link to home/school connections, resources, and tips and tricks for using FOSS in the classroom.

If possible, introduce FOSSweb to students using a computer connected to a large monitor or digital projector. After a group introduction, move students to the computer lab or to computer stations in your classroom. Students in grades K–2 will get the most out of FOSSweb if an adult or older student is nearby to guide their explorations. After students have been oriented to the site, you can allow more free exploration.

In Pebbles, Sand, and Silt, you’ll find an activity called Find Earth Materials. Students find the earth materials used in the picture. You might ask,

- *Where are some of the places we can find earth materials used around our school? Around our neighborhoods?*
- *How can you tell when something contains an earth material, like pebbles or sand?*



If necessary, review some of the places that students observed earth materials being used during the schoolyard field trip or how they used different earth materials to make things (Investigation 3). At the computer, have the class decide as a group which objects in the picture might contain earth materials. You can also review the definitions of the various earth materials at the bottom of the page. As a class, click an object that contains an earth material. Click the left and right arrows to move back and forth in the scene. When you choose correctly, you get a response that includes a picture of the object. When you have found eight correct objects, you can move to a new image to continue searching. Once you have been successful as a class, have students move to a computer to continue.

The Photo Gallery includes images of a rock quarry and its operation, as well as different uses of earth materials. You may want to view some of these images with your class before beginning the activity Find Earth Materials. You can use the images to discuss the rock quarry and the equipment used to remove and process the rock. Use the questions included with the individual images for class discussion.

In Ask a Scientist, students can review questions about earth materials and geology that have been submitted by other students and ask appropriate questions of their own. Adult guidance in submitting questions is highly recommended.

Websites include links to sites that can extend student experiences with the **Pebbles, Sand, and Silt Module**. The links may inspire some new projects and investigations involving earth materials.

Movies show activities involving earth materials, such as waves crashing on a beach and sand-and-gravel operations. The movies can also stimulate discussion.

