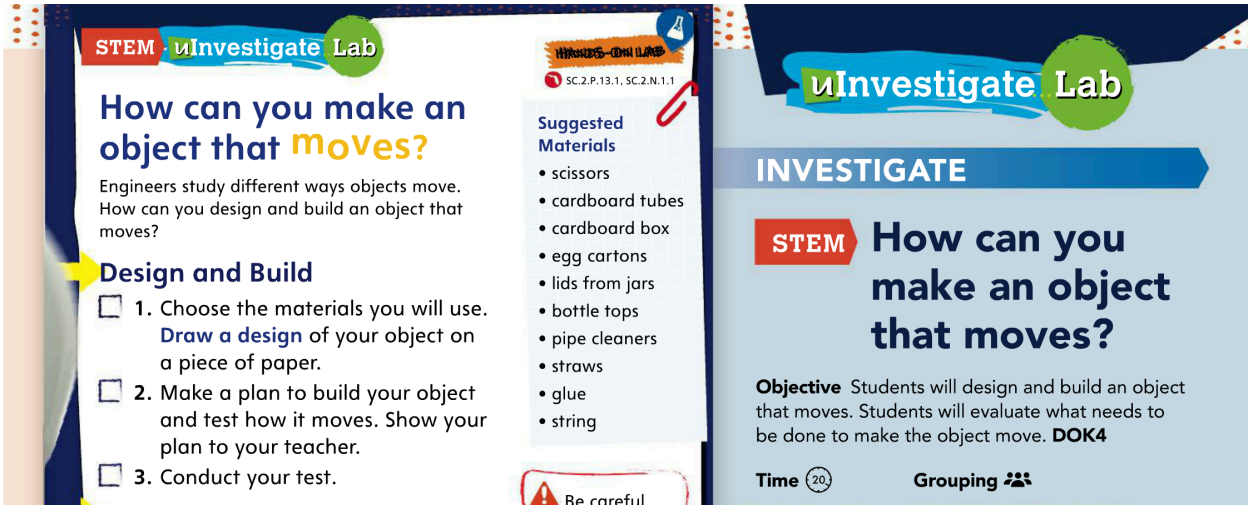
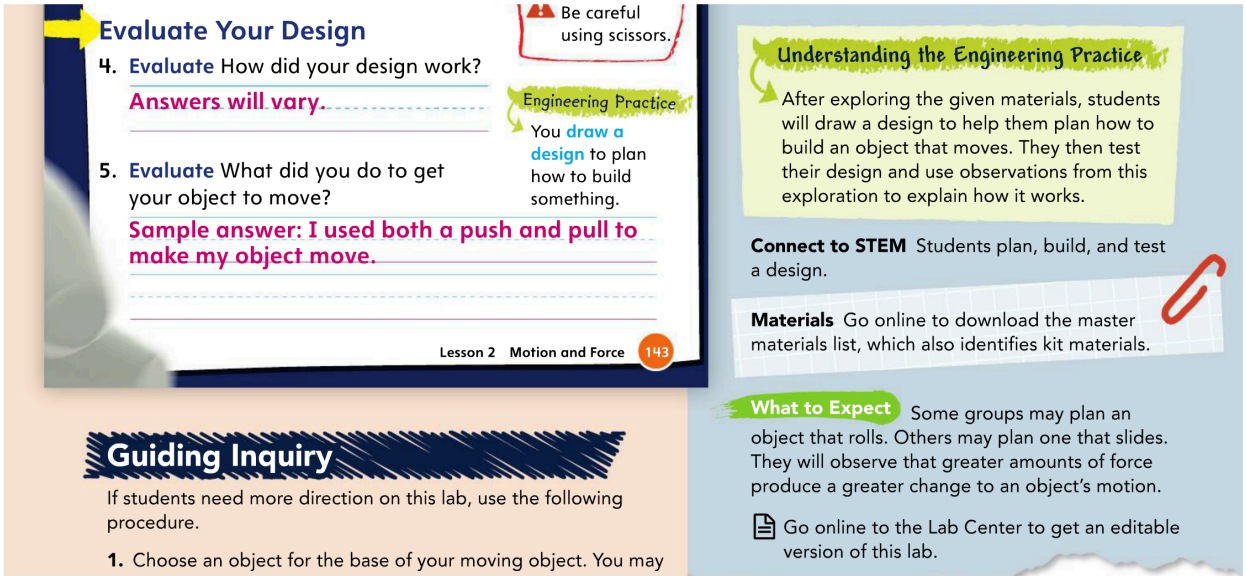
How can you make an object that moves? TE





Guiding Inquiry

If students need more direction on this lab, use the following procedure.

1. Choose an object for the base of your moving object. You may

Guiding Inquiry

If students need more direction on this lab, use the following procedure.

1. Choose an object for the base of your moving object. You may choose a cardboard box or an egg carton.
2. Choose objects to use as wheels to place on the base of your moving object. You may choose cardboard tubes, lids from jars, or bottle tops.
3. Choose a way to attach the wheels to the base of your moving object. You may choose pipe cleaners, straws, glue, or string.
4. Draw a design of your moving object. Show your design to your teacher.
5. Build your moving object by attaching the wheels to the base.
6. Use different pushes or pulls to test how your object moves.

They will observe that greater amounts of force produce a greater change to an object's motion.

Go online to the Lab Center to get an editable version of this lab.

Focus on Mastery!

Asking and Answering Questions Have students ask and answer the question "how do you know?" as they plan their designs. For example, how do you know which material will make an object roll?

- When students evaluate their object after building it, they should ask "How do you know?" when faced with the question of how their object will move. Encourage students to use words associated with movement.