

Creating a Groundwater Model

Adapted from "Where's the Drinking Water?" by Lab-Aids

Grade Levels: 7 – 12

Duration: 35-40 minutes

Students will:

- Model groundwater
- Understand where their drinking supply originates from

Materials:

- Clear cylindrical bottle
- 2 30-mL graduated cups
- Pipet
- Sand, gravel, silt, clay
- Blue-colored water
- Red and blue pencil
- Worksheet "Groundwater Modeling"
- PowerPoint "Create a Groundwater Model"

Warm-Up: *estimated time 10 minutes*

1. Follow along with the PowerPoint (provided) and discuss what groundwater is, how it gets there, and how we get it out.

Activity: *estimated time 15-20 minutes*

1. There are a few guidelines that are important to note when doing this activity. All instructions and guidelines are on the PowerPoint.

Wrap-Up: *estimated time 10 minutes*

1. Discuss the important work we do to ensure clean water at Hallsdale-Powell Utility District.
2. Clean up!