



WOW! on Wheels – Educational Activities **Rock Tumbler Supplies and Standards**

To complete this activity, the tumbler will need to sit in a particular spot, and run for at least 1 month.

Supplies included in WOW! kit:

- Bag of raw rocks/minerals
- Labeled, pre-measured grits (3)
- Labeled, pre-measured polish (1)
- Labeled, pre-measured burnish (1) (shaved original ivory soap)
- Large bucket
- Colander/Strainer
- Pitcher
- 2 barrels (1 for grit only, 1 for polish only)
- Rock Tumbler and Power cable

- Paper towels (supplied by teacher)
- Water (supplied by teacher)



1. Raw rocks and grit



2. Bucket, strainer, and pitcher



3. Separate barrels for grit and polish



4. Rock tumbler



Possible standards this experiment can be used to make connections to:

- K.PS.1:** Objects and materials can be sorted and described by their properties.
- 1.PS.1:** Properties of objects and materials can change.
- 3.ESS.1:** Earth's nonliving resources have specific properties.
- 4.ESS.2:** The surface of Earth changes due to weathering.
- 6.ESS.1** Minerals have specific, quantifiable properties.
- 6.ESS.5** Rocks, mineral and soils have common and practical uses.



Other WOW! materials and resources you might be interested in:

- Earth Science Rocks Kit – We offer an Earth Science unit full of materials and hands-on activities. Your students can examine and document their observations with different rocks, minerals, and fossils. They can learn to sort rocks into the three main classifications, learn how those rocks formed, and better understand the rock cycle. All materials for these activities are included. We also have screen sieves that you can borrow – this will allow your students to separate soil and to determine the amount of clay, silt, and sand particles in the soil.

- Microscopes
- Survive the Quake Engineering Kit
- Geocaching Activities and Handheld GPS units
- DIY Erosion Experiment Activity
- DIY Filter Fix Activity
- DIY Nature Adventure Activity
- DIY Rock Cycle Research Activity
- DIY Seismograph Simulation Activity

http://wpafbstem.com/WOW/wheels/wow_wheels.html

http://wpafbstem.com/WOW/DIY/wow_diy.html