



Edible Aquifer

Everyone loves ice cream, chocolate cookies, and sprinkles! Discover the different layers of the earth as you make your own edible aquifer model. In this delicious activity you will explore how rain and snow flow through the layers of soil, called strata, and then collect below ground as groundwater. Lastly, the area where groundwater collects is called an aquifer. Enjoy your tasty aquifer model!

TEKS:

- 2.7B Identify and compare the properties of natural sources of freshwater and saltwater.
- 2.8C Explore the processes in the water cycle, including evaporation, condensation, and precipitation, as connected to weather conditions.
- 3.7C Identify and compare different landforms, including mountains, hills, valleys, and plains.
- 3.7D Explore the characteristics of natural resources that make them useful in products and materials such as clothing and furniture, and how resources may be conserved.
- 4.7A(ss) Examine properties of soils, including color and texture, capacity to retain water, and ability to support the growth of plants.

How To:

Materials:

- 1 plastic cup
- Crushed ice
- Sprite
- Blue food coloring
- Vanilla ice cream
- Chocolate cookie crumbs
- Green sprinkles
- Straws

1. Layer some crushed ice, sprite, and blue dye at the bottom of the cup.
2. Add an ice cream layer.
3. Add a layer of crushed ice.
4. Add a chocolate cookie crumb layer.
5. Add a green sprinkle layer.
6. “Drill” a straw through your layers.
7. Slowly begin to “pump” the “water” out by sucking on your straw.

31 Days of STEM FUN!

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