

Sci-Map Site

Jean Klein Rock Cycle Garden

Name of Activity

Edible Rocks - Sedimentary

Materials

Chocolate chips
Butterscotch chips
White chocolate chips
Graham cracker sticks (or cookies)
Cookie butter
Marshmallow Fluff

Procedure

Erode (break up) the Graham cracker (large rock) into smaller pieces (rocks or pebbles) and crumbs (sediment). Combine equal amounts of peanut butter and Marshmallow Fluff. Mix together until a "clay" forms. Alternate layers of clay and chips (layered rock) or mix the chips and crumbs into the clay and roll it into a ball (conglomerate rock).

What is holding the rocks (chips and crumbs) together? Look at the chips and cookie bits. Can you see the whole chip? Has it changed its shape? If the chip were a sea shell could you still remove it from the rock

The Science Behind It

There are three types of rocks. They are named for how they are formed. Sedimentary rocks are formed when rocks, pebbles, and sediments (eroded rocks & living organisms) accumulate on the Earth's surface and subsequently cement together forming layers.

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