

## EDIBLE ROCK CYCLE

Grade 1-3

Earth's crust is made up of many different types of rocks. Over long periods of time, many rocks change shape and type as they are transformed by wind, water, pressure, and heat. There are three types of rocks: Igneous, Metamorphic, and Sedimentary. This fun activity will help teach properties and forms of each of the different types of rocks.

### Materials

- Aluminum foil
- Wax paper
- Starbursts
- Toaster oven
- Towels
- Oven mitts

### Procedure

1. Take one square of aluminum foil and place one square of wax paper on top.
2. Unwrap 3 Starburst for each type of rock and place in the center of the papers. Keep color order the same.
3. Roll the wax paper tightly over the Starburst and form the foil around the Starburst



SEDIMENTARY  
ROCKS

METAMORPHIC  
ROCKS



IGNEOUS  
ROCKS

**SEDIMENTARY ROCKS** are formed by layers of sediment. Sediments are usually formed from matter which falls to the bottom of oceans and lakes. The sediment can include all different things like: minerals, bits of plants, shells, corals, algae and all sorts of other things.

*Take the first group of Starburst "rocks" and create sedimentary rocks by using pressure to change the shape of the Starburst....hands and feet may be used.*

**METAMORPHIC ROCKS** are a type of rock which has been changed by extreme heat and pressure. Metamorphic rocks are often found in mountainous areas.

*Take a new group of "rocks" and after wrapping, place them in the toaster oven. Once the foil is warm to the touch, remove and wrap in a towel. Apply pressure noticing how little pressure is needed to smash the "rocks" together.*

**IGNEOUS ROCK** is formed when magma cools and solidifies. It may do this above and below the Earth's surface.

*Take a new group of wrapped "rocks" and place them in the toaster oven on high heat for 5-10 minutes. Once melted to a liquid carefully open foil and observe. DO NOT TOUCH until cooled.*

### KIDS LOVE ROCKS

Insiration from:<https://lemonlimeadventures.com/edible-rock-cycle-for-kids/>



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