# GEOLOGY ROCKS

5 DAYS OF THEMED PRESCHOOL SUMMER CAMP LESSONS

BEST DAY EVER!™

Find more at:
BESTDAYEVER.FUN

# GEOLOGY ROCKS!

Get ready to rock and roll with these rocky adventures! Build a rock tumbler to shake, rattle, and roll. See how rocks transform over time, challenge yourself by balancing different shapes and sizes to create gravity-defying sculptures, and head outside for a rockin' nature walk! Geology Rocks is an interactive preschool unit that encourages children to construct knowledge through meaningful play, thoughtfully planned activities, and active exploration of the environment. While the lesson plan incorporates many different Pennsylvania Learning Standards, it focuses on the key learning areas of "Scientific Thinking and Technology" and "Approaches to Learning through Play." Specifically, children will engage in learning activities that meet the PA Standard Areas of Earth and Space Sciences: Earth Structures, Processes, and Cycles, as well as Constructing and Gathering Knowledge.

## SCHEDULE

### DAY 1 - GEOLOGY

| | |
|---|---|
| ARRIVAL ACTIVITY – GEOLOGISTS | 20 MINUTES |
| CIRCLE TIME | 15 MINUTES |
| THEMED ACTIVITY – ROCK TUMBLING | 20 MINUTES |
| BATHROOM BREAK | 15 MINUTES |
| OUTSIDE PLAY – ROCK TAG | 30 MINUTES |
| SNACK | 15 MINUTES |
| TABLE ACTIVITY – ROCKS: SINK OR FLOAT? | 15 MINUTES |
| CENTER PLAY – ROCK EXPLORATION | 30 MINUTES |
| STORY TIME | 10 MINUTES |
| CIRCLE TIME/PICK-UP | 10 MINUTES |

### DAY 2 – ROCK EXPLORATION DAY 1

| | |
|---|---|
| ARRIVAL ACTIVITY – ROCK TUMBLING | 20 MINUTES |
| CIRCLE TIME | 15 MINUTES |
| THEMED ACTIVITY – ROCK HUNT | 20 MINUTES |
| BATHROOM BREAK | 15 MINUTES |
| OUTSIDE PLAY – HOPSCOTCH | 30 MINUTES |
| SNACK | 15 MINUTES |
| TABLE ACTIVITY – ROCK ID | 15 MINUTES |
| CENTER PLAY – PAINTING ROCKS | 30 MINUTES |
| STORY TIME | 10 MINUTES |
| CIRCLE TIME/PICK-UP | 10 MINUTES |



© 2026 BEST DAY EVER! All rights reserved.

# MATERIALS LIST

- Crayons
- Pointer
- Flag
- Calendar
- Weather chart
- Toy hammers
- Paintbrushes
- Magnifying glasses
- Sturdy plastic jar with lid
- Sand
- Gravel
- Water
- Rocks of various sizes, shapes & colors
- Clear container
- Pumice
- Scales (balance or digital)
- Multimedia player
- Photos of sedimentary, igneous, and metamorphic rocks
- Baskets or bins
- Paper
- Markers
- Sidewalk chalk
- Pencils
- Washable craft paint
- Art shirts/smocks
- Paper cups
- Protective goggles
- Camera
- Pictures of caves
- Contact paper
- Scissors
- Tissue paper (various colors)
- Dish soap
- Cleaning tools (sponges, brushes, etc.)
- Rock and mineral kit (see shopping links in Additional Resources)
- Chart paper or whiteboard
- Plastic gemstones (3-inches or larger)
- Colander
- Bowl
- Baking tray
- Watercolor paint
- Large, flat rocks safe for jumping on or hopping over
- Play dough
- Baking soda
- Vinegar
- Food coloring (orange)
- Eyedroppers
- Paper plates
- Toy helmets
- Flashlights
- Optional: Measuring cups
- Optional: Table salt
- Optional: Measuring tape or ruler



© 2026 BEST DAY EVER! All rights reserved.

## STANDARDS

- AL.1 PK.A
- 3.2 PK.A
- 16.2 PK.C

## ACTIVITY/CONCENTRATION

**CENTER PLAY: ROCK EXPLORATION**

Rock exploration: Place rocks in the science center this week, along with tools to explore them, such as magnifying glasses, paintbrushes, scales, etc. As children play, ask them questions about the rocks they are exploring.

## DURATION/SCHEDULE

30 minutes – 11:10 to 11:40 a.m.

## MATERIALS

- Rocks
- Magnifying glasses
- Paintbrushes
- Toy hammers
- Optional: Scales

## GOALS/OBJECTIVES

- Use senses to explore and learn from the environment
- Engage in complex play sequences with two or more children
- Relate knowledge learned from one experience to another

## LEARNER MODIFICATIONS

## STANDARDS

- AL.1 PK.A
- AL.1 PK.C
- AL.4 PK.A



© 2026 BEST DAY EVER! All rights reserved.

# Gemma the Geologist

BEST DOGY EVER!™