

Objective

By the end of this lesson, the student will be able to understand basic concepts of Earth Science related to Montessori education.

Materials and Prep

- Montessori globe or world map
- Pictures or images of different types of weather
- Small containers with water, sand, and rocks
- Small plants or seeds
- Art supplies (colored pencils, markers, crayons)

No prior knowledge is required for this lesson.

Activities

1. Introduction to the Earth: Show the Montessori globe or world map to the student and explain that the Earth is where we live. Point out the different continents and oceans.
2. Exploring Weather: Show the pictures or images of different types of weather (sunny, rainy, snowy, windy) and discuss each one. Ask the student to describe how they feel and what they can do during each type of weather.
3. Hands-on Exploration: Set up the small containers with water, sand, and rocks. Let the student touch and explore each material, discussing their properties and how they relate to the Earth.
4. Planting Seeds: Give the student a small plant or seeds and guide them in planting it in a pot or garden. Explain how plants grow from seeds and need soil, water, and sunlight to survive.
5. Art Activity: Provide art supplies and ask the student to draw or color their favorite part of the Earth or something related to nature. Encourage creativity and imagination.

Preschool Grade Talking Points

- "The Earth is our home, and it is a big place with many different countries and oceans."
- "Sometimes the weather is sunny, and we can go outside to play and feel warm."
- "Other times, it rains and we need an umbrella or raincoat to stay dry."
- "When it snows, we can build snowmen and have fun playing in the snow."
- "The wind can make things move and blow leaves off trees."
- "Water is wet and can be found in oceans, rivers, and lakes."
- "Sand feels grainy and can be found on beaches."
- "Rocks are hard and can be different colors and shapes."
- "Plants need soil, water, and sunlight to grow. We can plant seeds and watch them turn into plants."
- "Art is a fun way to express ourselves and show what we love about the Earth and nature."