

Objective

By the end of this lesson, you will be able to explore and understand geometric concepts using Montessori geometric stick material extensions.

Materials and Prep

- Montessori geometric stick material extensions
- A clear workspace
- Patience and enthusiasm

Activities

1. Start by introducing the Montessori geometric stick material extensions to the student. Explain that these sticks can be used to create different shapes and patterns.

Show the student how to use the sticks to create basic shapes like triangles, squares, and rectangles.

2. Encourage the student to explore and experiment with the sticks to create their own unique shapes and patterns.

Ask the student to describe the shapes they create using geometric vocabulary such as sides, angles, and vertices.

3. Challenge the student to create specific shapes or patterns using the sticks. For example, ask them to create a shape with four sides of equal length or a pattern alternating between triangles and squares.

Provide guidance and support as needed, but allow the student to take the lead in their exploration.

4. Wrap up the lesson by asking the student to reflect on what they have learned. Have them share their favorite shape or pattern they created and explain why they enjoyed it.

First Grade Talking Points

- "Today, we are going to explore geometric shapes using special sticks called Montessori geometric stick material extensions."
- "Geometric shapes are shapes that have sides, angles, and vertices."
- "We can use these sticks to create different shapes like triangles, squares, and rectangles."
- "Let's see what unique shapes and patterns we can create using these sticks. Remember to use geometric vocabulary to describe your creations!"
- "Can you create a shape with four sides of equal length? How about a pattern alternating between triangles and squares?"

- "Great job! Now, let's reflect on what we have learned. What was your favorite shape or pattern that you created? Why did you enjoy it?"