

# Create a P6 lesson on identifying 3D shapes and their properties

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**Objective:** By the end of the lesson, students will be able to identify 3D shapes and their properties.

**Introduction (5 minutes):**

Begin the lesson by introducing 3D shapes. Explain what 3D shapes are and how they differ from 2D shapes. Discuss the different properties that relate to 3D shapes, such as faces, edges, and vertices. Show students examples of 3D shapes, such as a cube and a cylinder. Ask students to share what they know about 3D shapes.

**Group Activity (15 minutes):**

Break the students into small groups. Give each group a selection of 3D shapes, such as cubes, spheres, pyramids, and cylinders. Ask the students to work together to name and describe the properties of each shape, focusing on the number of faces, edges, and vertices of each shape. Circulate to answer questions and provide feedback.

**Independent Activity (15 minutes):**

Distribute worksheets that require the students to identify various 3D shapes and describe their properties. Allow the students to work at their own pace while circulating to provide individual feedback and guidance.

**Conclusion (5 minutes):**

Bring the students together to review the class activity. Ask one student from each group to describe their 3D shapes and their properties. Re-emphasize the importance of learning the properties of 3D shapes. Ask the students to recall what they have learned throughout the lesson.

**Assessment:**

At the end of the lesson, assess the students' understanding by having them complete a quiz of 3D shapes and their properties.