

Objective

By the end of this lesson, you will be able to apply various geometry concepts to understand and analyze the structures and shapes in Fortnite.

Materials and Prep

- Paper or notebook
- Pencil or pen
- Device with internet access to research Fortnite structures (optional)

No prior knowledge of geometry is required for this lesson.

Activities

- Activity 1: Analyzing Fortnite Structures - Choose a few different structures in Fortnite, such as buildings or ramps, and identify the different geometric shapes present in each. Record your observations in your notebook.
- Activity 2: Measuring Angles - Using your notebook and pencil, draw a few different angles found in Fortnite, such as corners of buildings or ramps. Use a protractor or estimate the measurement of each angle and record it in your notebook.
- Activity 3: Creating Fortnite Structures - Design your own Fortnite structure using geometric shapes. Draw a blueprint of your structure and label the shapes you used. Be creative!

Talking Points

- Geometry is the branch of mathematics that deals with shapes, sizes, and properties of figures and spaces.
- Geometry is all around us, even in video games like Fortnite. The structures in Fortnite are made up of various geometric shapes.
- Shapes in Fortnite can include squares, rectangles, triangles, circles, and more. These shapes can be found in buildings, ramps, walls, and other structures.
- Angles are an important concept in geometry. They help us understand the direction and orientation of different parts of a structure.
- Angles can be acute (less than 90 degrees), right (exactly 90 degrees), obtuse (more than 90 degrees but less than 180 degrees), or straight (exactly 180 degrees).
- By analyzing the shapes and angles in Fortnite structures, we can better understand their design and functionality.
- Creating our own Fortnite structures using geometric shapes allows us to apply what we have learned and be creative at the same time.