

Artist: Shapes

Lesson time: 30 Minutes

LESSON OVERVIEW

Returning to the Artist, the puzzles in this stage are focused on drawing, combining, and dividing squares and rectangles.

TEACHING SUMMARY

Getting Started

[Introduction](#)

Activity: Artist Shapes

[Artist: Shapes](#)

Extended Learning

[Extension Activities](#)

LESSON OBJECTIVES

Students will:

- Create a program to draw a shape using sequential steps
- Explain the difference between squares and rectangles and support it with evidence consisting of the commands used to draw the different shapes
- Compare the positions of different objects using "above," "below," "next to"
- Correctly identify shapes regardless of their overall size
- Compare and contrast squares and rectangles by their number of sides and side lengths

GETTING STARTED

Introduction

Before beginning this lesson, students should have a basic understanding of squares and rectangles.

- How do you make a square? A rectangle?
- What happens when you put two squares next to each other?

ACTIVITY

[Artist: Shapes](#)

If students struggle to use the correct number of blocks to draw a line, point out that each line segment has a dot on both ends.

EXTENDED LEARNING

Use these activities to enhance student learning. They can be used as outside of class activities or other enrichment.

The Copy Machine

- Give students two pieces of paper
- On one sheet have the students draw a simple image (right angles and straight lines only)
- On the second sheet draw instructions for recreating that image using a series of arrows
- Trade instruction sheets and attempt to recreate the image using only the provided instructions.



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