

Unit 8b: CODE: Artist: Shapes

Content Area: **Unified Arts**
Course(s): **Computer Science 1, Computer Science K**
Time Period: **February**
Length: **10 Days**
Status: **Published**

Unit Summary

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

Student Learning Objectives

Students will learn to...

- 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

Essential Questions

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

Enduring Understandings

Students will understand that..

- an individual can combine and divide squares and rectangles to create a program to draw a shape using sequential steps.

Application

Students will be able to independently use their learning to...

- create a program to draw a shape using sequential steps.

Skills

Students will be skilled at...

- creating a program to draw using sequential steps.
- drawing, combining, and dividing squares and rectangles.

Resources

- Chromebase desktop computers
- Chromebooks
- iPads