

# 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

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

## Student Learning Objectives

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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

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

## Enduring Understandings

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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

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

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

## **Skills**

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Students will be skilled at...

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

## **Resources**

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- Chromebase desktop computers
- Chromebooks
- iPads