

**Instructional Days:** 20-22, (Days 5-7 from Unit B, Part 2)

**Topic Description:** Students use variables to draw more precisely in Scratch.

**Objectives:**

The student will be able to:

- Utilize variables to draw patterns in Scratch.

**Outline of the Lesson:**

**Day 20:**

- Presentation on Drawing with Variables (10 minutes)
  - Introduce the use of variables in drawing.
- Drawing with Variables worksheet (20 minutes)
- Independent work in Scratch (15 minutes)
  - Have students create a drawing using at least one variable.
- Students write a journal/blog entry about what they learned (10 minutes)

**Day 21:**

- Drawing with Variables 2 worksheet (25 minutes)
- Independent work in Scratch (20 minutes)
  - Have students create a drawing using at least one variable.
  - Students should use repeats in their script.
- Students write a journal/blog entry about what they learned (10 minutes)

**Day 22:**

- Drawing with Variables 3 worksheet (25 minutes)
- Independent work in Scratch (20 minutes)
  - Have students create a drawing to practice their skills in Scratch.
- Students write a journal/blog entry about what they learned (10 minutes)