

Activity #7

Read and Code

In *Getting Started with p5.js*, read and code along with the examples:

Chapter 4: Variables (pages 41-50, through Example 4-7)

Chapter 5: Response (pages 59-72, up through Example 5-12)

(We went over most of this in class, but it's good to have the PDF open in a tab while you work on this assignment, along with the [p5.js reference](#) section in another tab.)

Complete Short Study #2: Responsive Drawing

Decide whether you want to build on your Assignment #6 drawing or try something new.

Make a paper sketch and write out the pseudocode for the interaction that you want to create. **DM a photo of that (or a GoogleDoc link) to me via Slack.**

Draft and test your code in the [OpenProcessing](#) sketch editor within your account.

Your sketch must **include everything listed in Assignment #6** (at least 3 of the 2D Primitives — see Figure 3-1 on p. 20 in the book — and at least 3 of the line or shape attributes)

At least **2 of your shapes must overlap** (so that you demonstrate an understanding of code order)

Design with **attention to visuals** (composition, colors, shapes, strokes, etc.), e.g. *not accidental*

Declare, assign, and utilize **one or more variables** (e.g. for color or coordinates, that you'll use in your drawing to replace number values)

Make at least one of your variables change...

- o over time, e.g. via a statement in a “**for loop**” — see this [example sketch](#)^[SEP] — AND/OR —
- o via an if statement with the **mouseIsPressed()** boolean variable (see Ex. 5-10 on p. 88 in the book) — see this [example sketch](#)

Add **comments** throughout your code to explain your drawing elements and interactions.

Properly **align each line of code**, e.g. all code should be indented inside `setup()` and `draw()`

When saving your sketch, fill out these fields:

- o TITLE (replace My Sketch in the large text at the top with your own unique title)
- o DESCRIPTION (briefly describe your sketch)
- o HOW TO INTERACT WITH IT (e.g. what the viewer needs to click on)
- o WHO CAN SEE YOUR SKETCH? [choose: “My Class”]
- o WHO CAN SEE THE CODE? [choose: “My Class”]
- o WHO CAN COMMENT? [choose: “My Teacher”]

Update your snapshot image by clicking on “i” then Edit, then the camera icon under the image placeholder, then click to take a photo.

Submit it before the deadline indicated within our OpenProcessing class site by (1) scrolling down to the **Assignment 7 section**, (2) clicking “Add Sketch” and (3) choosing your sketch — you'll then see a check mark overlay.

DELIVERABLES

- A photo of your sketch + pseudocode, submitted via Slack.
- A sketch submitted to Activity 07 in the OpenProcessing Class which should include comments, alignment, and follow the criteria listed above.

This an individual assignment, with peer support.