Module 1: Introduction

- Icebreakers
- Discussion
 - o Technology/computers in our lives
 - Uses in the world
- Overview of course
- Code art examples

Module 2: Painting with the Mouse

- Learning the mouse with MS Paint
 - Opening applications
 - o Clicks and double-clicks
 - Choosing tools/brushes
 - Saving files

Module 3: Being Creative with the Keyboard

- Learning the keyboard with Notepad
 - Opening applications
 - Saving files
- Creating folders (right-click)
- Navigating the OS (folder structures and searching)

Module 4: The Internet

- Navigation, searching, scrolling
- Creating an account/logging in p5.js web editor
- Downloading/uploading photos

Module 5: Grids and Pixels

- Review of coordinate systems
- How computers display info (pixels)
- First sketch: the ellipse function

Module 6: Shapes and Colors

- Rect, Line, Point
- Understanding color: RGB values
- Fill and Stroke

Module 7: Variables and movement

- Setup and Draw
- Introduction to variables and moving a shape
- Mouse interaction (mouseX/mouseY)

Module 8: If/else statements and resources

- Bouncing ball if(x>width) etc
- mousePressed, keyPressed
- p5 Reference how to read it
- Links/handout of other resources

Module 9: Loops and useful tools

- What is iteration? What can we do with it?
- While loops and For loops
- random(), map(), constrain() functions

Module 10: Using and creating functions

- What is a function?
- Built-in event functions in p5.js
- Creating your own functions
- Resources to continue coding independently