

Next Steps

You've completed the Learn p5.js course! What's next?

Congratulations, you've successfully completed the Learn p5.js course! You got an introduction to creative coding and learned how to use the p5.js library to create dynamic, generative, and interactive visualizations. More specifically, you learned about:

- How web technologies (HTML, CSS, and JavaScript) are used together to create a p5.js program
- How the p5.js canvas operates with the `setup()` and `draw()` functions
- How to draw and color 2D primitive shapes such as lines, ellipses, rectangles, and triangles
- How to create animations using variables and functions
- How to group and transform shapes
- How to make your sketch interactive with mouse and keyboard interactions
- How to load and manipulate images and videos in your sketch

Your learning journey into creative coding isn't over yet! There are plenty of other topics that you can dive into to continue learning. Here are our recommendations for the next steps:

p5.sound.js library

If you would like to use, generate, and visualize sound in your sketches, try the [p5.sound.js](#) library. The library provides add-on features that make loading sound files easy. You can also generate sounds using [oscillators](#) and create audio visualizations by mapping [amplitudes](#) to shapes and colors!

Nature of Code

If you want to dive into creating more natural movements for your animations, take a look at [The Nature of Code](#), a web-based book by Daniel Shiffman. The Nature of Code will walk you through fundamental math concepts (with lots of diagrams and interactive sketches!) that will add an organic effect to your digital creations.

Machine Learning

If you are interested in combining creative coding with machine learning, dive into [ml5.js](#)—a JavaScript library that makes machine learning for the web easy. The library's demos use the p5.js library to show how machine learning can be used creatively. You could create a sketch that changes the style of an image, a video to look like a renaissance painting, or make a game controlled by hand movements using your webcam!

Once again, congratulations on finishing your Learn p5.js course! We are excited to see what you accomplish next. Happy creative coding!