Intro to JavaScript

Course Strategy for Course 1, Virtuoso
Prepared by Akshaj Jagarapu

OVERVIEW

An introductory course that begins the student's journey of programming with a deep understanding of the fundamentals of JavaScript and programming itself. There are six consecutive, daily sessions that last 90 minutes each.

OBJECTIVES

- Set up the core environment for basic programming.
- Get familiar with the best practices and mindset for programming.
- Get familiar with the basics of JavaScript and web development through p5js.
- Use problem-solving skills to efficiently solve various programming challenges.

EDUCATION STANDARDS

- *Group Discussions* - 15%
- *Interactive Lectures* - 5%
- *In-Class Labs* - 30%
- *Projects* - 50%

SESSION TOPICS

- *Session 1* - Setup
- *Session 2* - Algebra
- *Session 3* - Complex Data Types
- *Session 4* - Conditionals & Loops
- *Session 5* - Intro to P5.js
- *Session 6* - Final Project