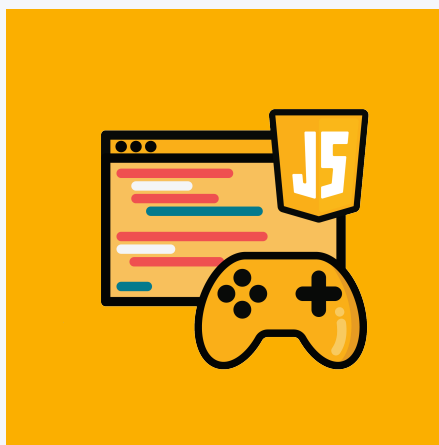


Foundations License

Our coding foundations courses in game development and web development are a perfect introduction to computer science and programming for students with little to no knowledge of programming. Through project based learning, students will build a portfolio of their own work, demonstrating their understanding of computer science concepts. Career exploration content exposes students to the possibilities that lie ahead in various computer adjacent fields. These courses prepare students for further, advanced studies in computer science.

Foundations Courses



Game Development Foundations (GDF)

Grade Band: 6-10 Core Skills: 2D Animation, P5, JavaScript

Game Development Foundations (GDF) leverages the excitement of creating games to teach students computer science, mathematics, and problem-solving. Upon completion of this course, students will be proficient in JavaScript, computational thinking, 2D and 3D graphics, animations, and game development principles. Students will also complete multiple code projects to build an online portfolio.

- ✓ Capstone Project
- ✓ Builds Portfolio
- ✓ STEM Aligned



Web Development Foundations (WDF)

Grade Band: 6-10 Core Skills: HTML, CSS, JavaScript

Web Development Foundations (WDF) explores Internet history, coding principles, and languages. WDF teaches HTML, CSS, and JavaScript so students can design, create, and breathe life into visually appealing web pages. Upon completion of this course, students will have a solid understanding of computer science principles and the ability to code interactive web pages from scratch.

- ✓ Capstone Project
- ✓ Builds Portfolio
- ✓ STEM Aligned