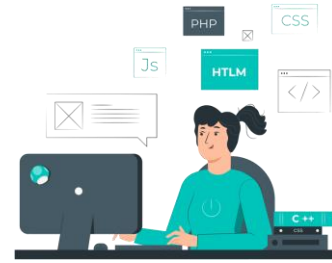


BOOTCAMP - 20 hours

Beginner Course, No Prior Experience Required

First Steps in Coding

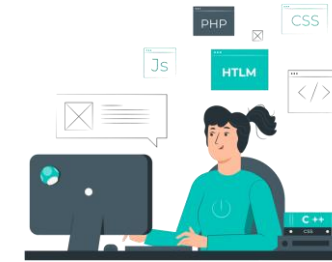


Gain an understanding of HTML, CSS and JavaScript and get a solid head start in website development!

Using real-world technology, students will create websites and web-based applications. They will build their own coding posters, trivia games, and personalized websites.

INTERMEDIATE - 40 hours

First Steps in Coding



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First Steps in Game Development

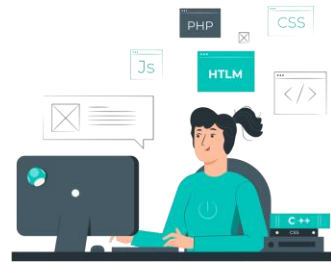


This course is the perfect introductory experience for learning digital skills in the world of gaming and programming.

Students will learn how to plan, design and develop their very first web based game using HTML, CSS and JavaScript. They will pick up valuable skills along the way such as storyboard planning, designing gaming assets and creating digital special effects.

SUMMIT - 120 hours

First Steps in Coding



Gain an understanding of HTML, CSS and JavaScript and get a solid head start in website development!

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First Steps in Game Development



This course is the perfect introductory experience for learning digital skills in the world of gaming and programming.

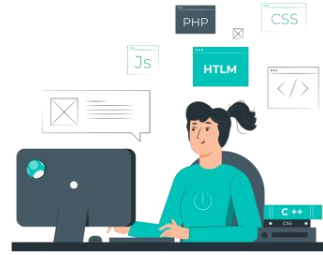
Students will learn how to plan, design and develop their very first web based game using HTML, CSS and JavaScript. They will pick up valuable skills along the way such as storyboard planning, designing gaming assets and creating digital special effects.

Technology and Me



As new explorers of technology, students will make connections to technology by participating in entry-level Guided Projects that allow them to share their own personal experiences and interests. Students will learn introductory skills in HTML and CSS while exploring basic concepts in JavaScript. Students will create their own personal web-page, a blog, make their own quiz game and develop other similar digital artifacts. These projects will teach the basics of web design along with critical digital skills like design thinking, prototyping and digital citizenship.

First Steps in Coding



Explore: coding concepts that are needed for basic web development and uncover the different elements of a simple web page.



Learn: the fundamental languages HTML, CSS & JavaScript used to develop web pages and websites. By using a simple structure for a web page, learn how to take an idea online.



Create: a variety of simple projects, including a personal portfolio of posters, websites & trivia games. Each of the projects, once finished, can be shared online with friends.

Skills

- Intro to HTML, CSS & JavaScript Coding
- Real-world technology creation
- Build Websites & Web Based Applications Code a Trivia Game
- The idea of digital artifact creation

First Steps in Game Development



Explore: game development using design techniques to plan games. See how professional game designers take an idea to market.



Learn: the basic skills in HTML, CSS and JavaScript needed to make a game and how to develop game assets and game mechanics.



Create: an online adventure game with special effects that can be shared online. Customize everything about the game to keep the adventure going.

Skills

- Learn digital skills for gaming & programming Storyboarding
- Designing game assets and mechanics
- Creating digital special effects

Technology and Me



Explore: Students will be introduced to methods and design protocols that real web designers use and will explore how to interact and engage safely in online environments through activities that develop digital citizenship.



Learn: Teachers will lead students through 7 Guided Projects that teach the necessary skills in HTML, CSS and JavaScript to design custom web pages that will start to cultivate computational thinking. Students will also learn how to plan out project ideas as a design process.



Create: Students will create 7 unique projects throughout the course. At the end of the course, students will be asked to customize a project of their choice as a capstone to the course. Each of the projects will be customizable and can be shared using a public URL or QR code.

Skills

- Learn methods and design protocols used by real web-designers
- Explore how to interact and engage safely online
- Develop Digital Citizenship
- Build 7 projects and publish to the Internet