

## WEB DEVELOPMENT 1

*Web Development 1 is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn the fundamentals of how the Internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding, cascading style sheets (CSS), and JavaScript. They follow the steps to create a website by planning, designing, developing, deploying, and maintaining of the website projects. Students will learn and use different scripting technologies to create more dynamic and interactive websites. They will learn what it takes for a career in web development as they complete projects and create their own website.*

- Understand the basic principles of how the Internet is constructed, how it functions, and how it is used
- Demonstrate the creation of well-formed web pages
- Format web pages using CSS
- Plan, design, implement, and maintain website(s)
- Use image editing software to create and prepare images to integrate with website designs
- Understand basic JavaScript in front-end and back-end development, mobile app development, desktop app development, and game development

