Unit 2: Web Development

Content Area: **Business**
Course(s):
Time Period: **Semester 1 & 2**
Length: **3 weeks**
Status: **Published**

Standards

	People work together to develop programs for a purpose, such as expressing ideas or addressing problems. The development of a program involves identifying a sequence of events, goals, and expected outcomes, and addressing errors (when necessary).
8.2.2.ED.1	Communicate the function of a product or device.
8.2.2.ED.2	Collaborate to solve a simple problem, or to illustrate how to build a product using the design process.
8.2.2.ED.3	Select and use appropriate tools and materials to build a product using the design process.
8.2.2.ITH.1	Identify products that are designed to meet human wants or needs.
8.2.2.ITH.2	Explain the purpose of a product and its value.

Essential Questions

- Why do people create websites?
- How can text communicate content and structure on a web page?
- How do I safely and appropriately make use of the content published on the internet?
- What strategies can I use when coding to find and fix issues?
- How can websites be used to address problems in the world?
- What strategies can teams use to work better together?
- How do I know what information can be trusted online?

Enduring Understanding

- Create digital artifacts that use multiple computer languages to control the structure and style of their content.
- Create a website as a form of personal expression.
- Use different programming languages to solve different problems.
- Examine their role and responsibilities as both creators and consumers of digital media.

Knowledge and Skills

- Create websites using HTML and CSS.
- Consider questions of privacy and ownership when designing personal websites.
- Design multi-page websites with a purpose.

Transfer Goals

Students can create and share content on their own web pages. They think deeply about the role of the web and how it can be used as a medium for creative expression and begin to see themselves as programmers. They think critically about the impact of sharing information online and how to be more critical consumers of content. They possess valuable skills such as debugging, using resources, and developing as part of a team.

Resources

- Web Lab - Programming Environment
- Code.org Videos
- Code.org Demonstration Apps
- Code.org Activity Guide