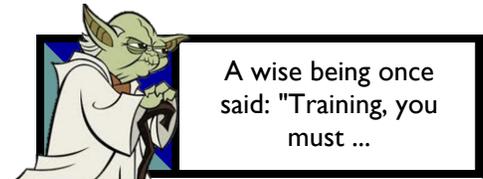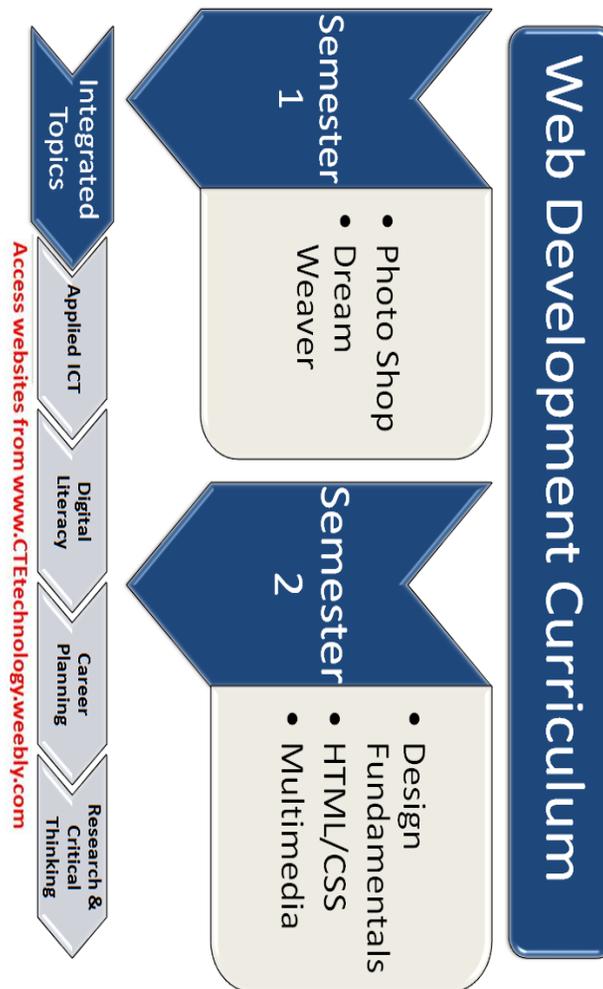## Students will develop the ability to:

- Work creatively on individual and collaborative projects in a range of digital systems;
- Gain the skills and project-based experience needed for entry into web design and development careers.
- Use a variety of strategies and tools to create websites.
- Develop awareness and appreciation of the myriad ways that people access the web and will be able to create standards-based websites that are accessible and usable by a full spectrum of users.
- Critically evaluate digital content, including its context, provenance and trustworthiness;
- Reflect on the personal, social, economic, and ethical impacts of technology and technological change, and the implications for rights, responsibilities and freedoms.

Digital Design for the Web Curriculum

Access websites from www.CTEtechnology.weebly.com

Web Development Curriculum

Integrated Topics

- Applied ICT
- Digital Literacy
- Career Planning
- Research & Critical Thinking

Semester 1
- Photo Shop
- Dream Weaver

Semester 2
- Design Fundamentals
- HTML/CSS
- Multimedia

Digital Design for the Web

Grades 10—12

Grades 10—12
Course #15360

amclin@cuhsd.org

Digital Design is a year-long, project-based curriculum that teaches digital communication skills in the context of the professional web design and development process, using Adobe tools. Digital Design develops four key skill areas:

⇒ *Project management and collaboration*

⇒ *Design*

⇒ *Research and communication*

⇒ *Professional web-authoring tools*

Students develop these key skills in a spiral—each project adds more challenging skills onto the foundation proficiencies.

Description

The Digital Design for the Web curriculum is an introduction to the design, creation, and maintenance of web pages and web-sites.

Students learn how to:

⇒ *critically evaluate website quality,*

⇒ *create and maintain quality web pages,*

⇒ *learn about web design standards and why they're important, and*

⇒ *create and manipulate images.*

The course progresses from introductory work on web design to a culminating project in which students design and develop websites for local community organizations.

Information & Communication Technology

Information and Communication Technology (ICT) is important educationally. It both develops and requires logical thinking and precision. It encourages innovation, collaboration, and resourcefulness: students apply underlying principles to understand real-world systems, and to create purposeful and usable artifacts.

This combination of **principles, practice, and invention** makes Digital Design for the Web both rigorous and creative. More broadly, it is a lens through which to understand both natural and artificial systems.

ICT has great economic and societal value. It provides students with the knowledge and skills to contribute to the digital economy, and play an active role in a world where new technologies are invented daily. Technology has the potential to make the world a better place, and understanding ICT is the key to realizing that opportunity

CUHSD