Unit 1: Review of Basic HTML/CSS (Grades 10-12)

Content Area: **Computer Science**
Course(s):
Time Period: **Marking Period 1**
Length: **1-2 Weeks**
Status: **Published**

Summary

Introduction: During the first few weeks of the course, students will be reviewing basic HyperText Markup Language (HTML), Cascading Style Sheets (CSS), PhotoShop, and other web design techniques covered in Web Design I. In doing so, they will be creating a web-based resume. Students will research information to be included in a resume and create a dynamic web-based resume to be presented to the class in a mock interview. Students will be questioned during their presentation as if they were on an interview.

Revision Date: July 2026

L.SS.11–12.1	Demonstrate command of the system and structure of the English language when writing or speaking.
9.4.12.CI.1	Demonstrate the ability to reflect, analyze, and use creative skills and ideas (e.g., 1.1.12prof.CR3a).
L.KL.11–12.2	Apply knowledge of language to understand how language functions in different contexts, to make effective choices for meaning or style, and to comprehend more fully when reading or listening.
9.4.12.CT.2	Explain the potential benefits of collaborating to enhance critical thinking and problem solving (e.g., 1.3E.12profCR3.a).
9.2.12.CAP.8	Determine job entrance criteria (e.g., education credentials, math/writing/reading comprehension tests, drug tests) used by employers in various industry sectors.
3.b	Decompose complex real-world problems into manageable sub-problems that could integrate existing solutions or procedures.
4.a	Extract common features from a set of interrelated processes or complex phenomena.
4.b	Evaluate existing technological functionalities and incorporate them into new designs.
5.c	Modify an existing artifact to improve or customize it.
9.4.12.TL.1	Assess digital tools based on features such as accessibility options, capacities, and utility for accomplishing a specified task (e.g., W.11-12.6.).

Essential Questions/Enduring Understandings

- What are the main concepts from Web Design I that are important in creating websites?
- How do you positively present yourself to employers?
- Certain codes are more widely used than others in website design.
- Interview question topics extend beyond knowledge into personality.
- Resumes can be developed in a variety of ways.

Objectives

Students Will Know

- HTML, CSS, PhotoShop, and other web design techniques covered in Web Design 1
- what content should be included in a resume.

Students Will be Skilled At

- connecting previous experience to future employment.
- showing web design proficiency beyond words.
- organizing a website using HTML and CSS.

Learning Plan

- Preview the essential questions and connect to learning throughout the unit.
- Review HTML codes that control design of a website.
- Research content to be included in a resume.
- Research traditional hardcopy resume templates.
- Develop a website design for resume.
- Create images/media/content to show proficiency.
- Present resume in an interview.
- Receive feedback from students/teachers/administration.
- Adjust content/layout/design.

Assessment

Assessments

- Formative: Daily assessments using examples from class notes and CodeHS.com, AP Classroom/Albert Checks for Understanding

- Summative: Teacher-created assessments/projects and CodeHS Computer Science Projects, AP Classroom/Albert Unit Assessments

- Benchmark: Check for understanding benchmark assessments on CodeHS, AP Classroom/Albert/Khan Academy Diagnostics

- Alternative Assessments: Student-centered activities such as a doorbell coding project, game design projects, and other activities listed below:

- Create a website-based resume.
- Present the resume in a mock interview based setting.
- Receive feedback from rubrics and comments from students/teachers/administration.

- Make adjustments and complete self assessment.
- Answer the essential questions.

Materials

- Core instructional materials: Core Book List

Supplemental materials:

  - District Approved Textbook
  - HTML5 Resources
  - CSS3 Resources
  - Internet Access
  - Khan Academy
  - Codeacademy
  - Codehs
  - Computers

Integrated Accommodation and Modifications

Possible accommodations/modification for Web Design 2