CompuScholar, Inc.
Alignment to Idaho **"Web Design and Development"** Standards

Idaho Course Details:

Course Name:	Web Design and Development
Primary Cluster:	CTE / Engineering & Technology Education
Credit:	1
Grade Level:	9th-12th
Program Standards Link:	Web Design & Development Program Standards (2014 version)

CompuScholar Course

Course Title:	Web Design
Course ISBN:	978-0-9887070-0-9
Course Year:	2019

Note 1: Citation(s) listed may represent a subset of the instances where objectives are met throughout the course.

Note 2: Citation(s) for a "Lesson" refer to the "Lesson Text" elements and associated "Activities" within the course, unless otherwise noted. The "Instructional Video" components are supplements designed to introduce or re-enforce the main lesson concepts, and the Lesson Text contains full details.

Course Description

CompuScholar's "Web Design" course teaches students to create their own web pages using HTML and CSS. Students will learn to code using simple text editors as well as built-in IDEs and can view instant results right on their computer.

Course Standards

CONTENT STANDARD 1.0: UNDERSTAND WEB PAGE DEVELOPMENT	CITATION(S)
Performance Standard 1.1: Use Standards-Compliant HTML to Create Basic Web Pages	
1.1.1 Describe how the Internet and the World Wide Web work.	Chapter 1, Lessons 1 – 2 Chapter 15, Lessons 2 – 5
1.1.2 Investigate roles and responsibilities behind the development of a Web site.	Supplemental Lesson 4 Supplemental Lesson 8
1.1.3 Understanding the Web design environment.	Chapter 1, Lesson 3 Chapters 2, 13 Chapter 16, Lessons 3 – 4
1.1.4 Create conventions for filenames and URLs.	Chapter 1, Lesson 3 Chapter 2, Lessons 1 – 2 Chapter 5, Lesson 2 Chapter 6, Lesson 5

1.1.5 Set a directory structure.	Chapter 5, Lesson 2 Chapter 6, Lesson 5 Chapter 11, Activity 1 Chapter 25, Lesson 4
1.1.6 Identify and use tags on a Web page.	Chapter 2, Lessons 3 – 4 Chapter 3
1.1.7 Document HTML code using comments.	Chapter 4, Lesson 2
1.1.8 Save a text document as an HTML file.	Chapter 2, Lesson 2
1.1.9 Specify Headings.	Chapter 3, Lesson 2
1.1.10 Format Web page text.	Chapter 3, Lesson 3 Chapter 6, Lessons 1 – 2
1.1.11 Insert HTML entities, superscripts, and subscripts.	Chapter 4, Lesson 2
1.1.12 Create a horizontal rule.	Chapter 4, Lesson 1
1.1.13 Create ordered and unordered lists.	Chapter 4, Lesson 3
1.1.14 Learn where to place anchors on a Web page.	Chapter 5, Lesson 1
1.1.15 Create links.	Chapter 5, Lessons 2 – 4
1.1.16 Create links to email.	Chapter 5, Lesson 5
1.1.17 Use the <img> element.	Chapter 11, Lesson 2
1.1.18 Use and image as a link.	Chapter 11, Lesson 2
1.1.19 Organize files in your web directory.	Chapter 2, Lessons 1 – 2 Chapter 6, Lesson 5 Chapter 11, Activity 1 Chapter 25, Lesson 4
1.1.20 Understand paths and their application to links.	Chapter 5, Lesson 2 Chapter 5, Lesson 4
Performance Standard 1.2: Use Styles to Format Web Pages	
1.2.1 Identify the differences between HTML and CSS.	Chapter 6, Lesson 1 Chapter 25, Lesson 4
1.2.2 Write CSS Styles.	Chapter 6
1.2.3 Create an embedded style.	Chapter 6, Lesson 3
1.2.4 Understand and use the font property.	Chapter 6, Lesson 1 Chapter 7, Lesson 1

1.2.5 Control line spacing and white space.	Chapter 3, Lesson 2 Chapter 4, Lesson 1 Chapter 7, Lesson 1
1.2.6 Change foreground and background colors on a Web page.	Chapter 6, Lesson 1 Chapter 6, Lesson 2
1.2.7 Create and apply inline styles.	Chapter 6, Lesson 1
1.2.8 Use classes to style several tags.	Chapter 7, Lesson 3
Performance Standard 1.3: Demonstrate an Understanding of Advanced CSS Selectors and Properties	
1.3.1 Identify the differences between dependent and independent classes.	Chapter 7, Lesson 3
1.3.2 Use external style sheets to format several Web pages.	Chapter 6, Lesson 5
1.3.3 Understand how to position text on a Web page.	Chapter 9, Lessons 1, 2, 4
1.3.4 Use CSS pseudo-elements.	Chapter 23
1.3.5 Use the <span> tag.	Chapter 4, Lesson 1
1.3.6 Create and apply an independent class.	Chapter 7, Lesson 3
1.3.7 Use the <div> tag.	Chapter 4, Lesson 1
1.3.8 Investigate the box model.	Chapter 7, Lesson 2
1.3.9 Explore the padding, margin, and border properties.	Chapter 7, Lesson 2 Chapter 8, Lesson 3
1.3.10 Group links on a page.	Chapter 5, Lesson 3 Chapter 24
1.3.11 Identify the Pseudo-class selectors.	Chapter 23, Lessons 1 - 3
1.3.12 Use CSS to style links.	Chapter 8, Lesson 1
1.3.13 Create a stylized navigation.	Chapter 5, Lesson 3 Chapter 24

CONTENT STANDARD 2.0: UNDERSTAND WEB PAGE DESIGN AND LAYOUT	CITATION(S)
Performance Standard 2.1: Demonstrate Understanding of Design Theory as it Applies to Web Design and Development	
2.1.1 Explore Web Design Fundamentals.	Chapter 10, Lesson 1
2.1.2 Explore Design Theory.	Chapter 6, Lesson 2 Chapter 10, Lesson 1

2.1.3 Understand graphics file formats (vector versus raster).	Chapter 11, Lesson 1
2.1.4 Investigate graphics editors.	Chapter 11, Lesson 1 Chapter 11 Activity
2.1.5 Understand computer color basics.	Chapter 6, Lesson 2
2.1.6 Control color properties with CSS.	Chapter 6, Lessons 1 – 2
2.1.7 Optimize images for web use.	Chapter 11, Lesson 1
2.1.8 Understand layering organization.	Chapter 9, Lesson 3
2.1.9 Understand masking and channels.	Chapter 20, Lesson 2
2.1.10 Understand typography use for the web.	Chapter 10, Lesson 1
2.1.11 Understand ethical use of copyrighted materials.	Chapter 11, Lesson 1 Chapter 16, Lesson 1
2.1.12 Use basic animation techniques.	Chapter 8, Lesson 1 Chapter 18, Lesson 3 Chapter 24 Chapter 27, Lesson 3
2.1.13 Practice industry acceptable aesthetic techniques.	Chapter 10, Lesson 1
Performance Standard 2.2: Enhance Web Pages with List, Images and Background-Images	
2.2.1 Control background images with CSS.	Chapter 8, Lesson 2 Chapter 21, Lesson 1
2.2.2 Float and image or text.	Chapter 9, Lesson 4
2.2.3 Control image properties with CSS.	Chapter 18, Lesson 3 Chapter 21, Lesson 1 Chapter 26, Lesson 4 Chapter 27, Lesson 1
2.2.4 Understand and use the clear property.	Chapter 9, Lesson 4
2.2.5 Change list style type and position.	Chapter 10, Lesson 3
2.2.6 Format and float headings.	Chapter 10, Lesson 2
2.2.7 Work with background properties.	Chapter 6, Lesson 1 Chapter 8, Lesson 2
Performance Standard 2.3: Demonstrate Understanding of and Use the Box Model	
2.3.1 Understand resolution as it applies to the Box Model.	N/A

2.3.2 Create boxes for layout.	Chapter 9, Lesson 1
2.3.3 Size and position boxes.	Chapter 9
2.3.4 Determine how to control overflow for a box.	Chapter 9, Lesson 4
2.3.5 Understand padding, margins, and border properties.	Chapter 7, Lesson 2 Chapter 8, Lesson 3
2.3.6 Understand resolution as it applies to the Box Model.	N/A (duplicate of 2.3.1)
2.3.7 Create boxes for layout.	Chapter 9, Lesson 1
Performance Standard 2.4: Demonstrate the Ability to Effectively Design and Layout Out Web Pages Using CSS	
2.4.1 Designing for multiple screen resolutions.	N/A
2.4.2 Crafting the look and feel of a site.	Chapter 10, Lessons 1 – 4
2.4.3 Creating a unified site design.	Chapter 6, Lesson 5 Chapter 10, Lesson 1
2.4.4 Designing for the user.	Chapter 10, Lesson 1 Chapter 13, Lesson 1
2.4.5 Designing for accessibility.	Chapter 13, Lesson 2
2.4.6 Use the <div > tag to create formatting sections of a document.	Chapter 4, Lesson 1 Chapter 5, Lesson 3
2.4.7 Use <span> tag to format elements in a document.	Chapter 4, Lesson 1 Chapter 10, Lesson 4
2.4.8 Understand the positioning properties.	Chapter 9, Lessons 1, 2, 4
2.4.9 Create a print style sheet.	N/A
2.4.10 Use multiple style sheets.	Chapter 24, Lessons 1 - 2

CONTENT STANDARD 3.0: UNDERSTAND INTEGRATION OF WEB PAGE CONTROLS	CITATION(S)
Performance Standard 3.1: Appropriately Use Tables to Enhance their Web Pages	
3.1.1 Discern the difference between data tables and layout tables.	N/A
3.1.2 Understand the importance of using CSS for layout versus tables for layouts.	Chapter 6, Lesson 1
3.1.3 Learn how to nest a data table within a CSS layout.	N/A
3.1.4 Create styles to change the appearance of a table.	Chapter 12, Lesson 2

3.1.5 Understand how to position cell contents.	Chapter 12, Lesson 2
3.1.6 Understand how to position a table.	N/A
3.1.7 Understand how to manipulate table cells.	Chapter 12, Lesson 3
Performance Standard 3.2: Demonstrate the Ability to Use Design and Layout Web Forms	
3.2.1 Create an HTML form.	Supplemental Lesson 11
3.2.2 Create fields for text.	Supplemental Lesson 11
3.2.3 Create text boxes.	N/A
3.2.4 Understand how to choose appropriate form controls.	Supplemental Lesson 11
3.2.5 Create radio buttons, check boxes, and list boxes.	Supplemental Lesson 11
3.2.6 Create selection lists.	Supplemental Lesson 11
3.2.7 Talk about HTML Form validation (but don't use).	Supplemental Lesson 11

CONTENT STANDARD 4.0: UNDERSTAND WEB RELATED PLANNING AND ORGANIZATIONAL STANDARDS	CITATION(S)
Performance Standard: 4.1: Demonstrate Understanding of Website Architecture and Planning	
4.1.1 The beginning stages of Web site development.	Supplemental Lesson 4
4.1.2 The importance of understanding a site's target audience and how that understanding can affect site development.	Chapter 10 Activity Chapter 13, Lessons 1, 4 Supplemental Lesson 4
4.1.3 Methods for getting a site developed.	Supplemental Lesson 4
4.1.4 Baseline considerations for every site, including navigation, organization, graphic design, and content development.	Supplemental Lesson 4
4.1.5 Understand the Web site development process.	Supplemental Lesson 4
4.1.6 Create a site specification.	Chapter 14, Lessons 1 – 2 Supplemental Lesson 4
4.1.7 Identify the content goal.	Supplemental Lesson 4
4.1.8 Analyze their audience.	Supplemental Lesson 4
4.1.9 Build a Web site development team.	Chapter 14, Lessons 1 – 2

4.1.10 Create a site storyboard.	Chapter 13, Lesson 1
4.1.11 Publish their Web site.	N/A
4.1.12 Test their Web site.	Chapter 14, Lesson 3 Supplemental Lesson 9
Performance Standard 4.2: Demonstrate Understanding of Site Organization and Navigation Principles	
4.2.1 Create usable navigation.	Chapter 5, Lesson 3 Chapter 24
4.2.2 Build text-based navigation.	Chapter 5, Lesson 3 Chapter 24
4.2.3 Use graphics for navigation and linking.	Chapter 11, Lesson 2
4.2.4 Use lists for navigation.	Chapter 5, Lesson 3 Chapter 24
4.2.5 Build horizontal navigation bars.	Chapter 24
4.2.6 Build vertical navigation bars.	Chapter 5, Lesson 3
4.2.7 Use background color and graphics to enhance navigation.	Chapter 10, Lesson 4 Chapter 24, Lesson 3
4.2.8 Create hover rollovers.	Chapter 10, Lesson 4 Chapter 18, Lesson 3 Chapter 24
Performance Standard 4.3: Demonstrate understanding of Web site Accessibility Standards	
4.3.1 Investigate Accessibility Standards.	Chapter 13, Lesson 2
4.3.2 Explore and implement Web Content Accessibility Guidelines (WCAG).	Chapter 13, Lesson 2 Chapter 14, Lesson 2
4.3.3 Explore and understand Section 508 Standards.	Chapter 13, Lesson 2

CONTENT STANDARD 5.0: UNDERSTAND THE RELATIONSHIP OF WEB MARKETING	CITATION(S)
Performance Standard 5.1: Use Multimedia on the Web	
5.1.1 Learn the basics of multimedia and executable content.	Chapter 19
5.1.2 Embed Social Media Widgets on a Web page.	N/A
5.1.3 Explore the various formats available for Web-based video, the factors that determine which one to use.	Chapter 19, Lessons 1 - 2
5.1.4 Determine the demographics of the viewing audience, what they're watching, and why.	N/A

5.1.5 Investigate how and why companies are using Web-based video, and how audiences are responding to these efforts.	N/A
5.1.6 Explore what goes into producing professional videos.	Supplemental Lesson 5
Performance Standard 5.2: Demonstrate Brand and Marketing and Traffic Analysis	
5.2.1 Identify the different types of sites that make up the Web, how each differs from the other, and how marketers can take advantage of each type of site	Chapter 10, Lesson 1 Chapter 13, Lesson 4
5.2.2 Understand the importance of keeping visitors coming back to a site	N/A
5.2.3 Learn the methods that sites utilize to increase customer retention	N/A
5.2.4 Explain the issues involved in copyrighting, trademarking, and licensing	Chapter 11, Lesson 1 Chapter 16, Lesson 1
5.2.5 Identify the issues related to working in a global environment	N/A
5.2.6 Define web-related mechanisms for audience development (attracting and retaining an audience)	N/A
5.2.7 Identify how the Web is different from other marketing tools and the added value it can provide to marketers in developing brands	N/A
5.2.8 Discover how to promote and market your Web site to help drive new and returning traffic	N/A
5.2.9 Learn how marketers can track Web sites and what information relating to a Web site they can analyze	Supplemental Lesson 9
Performance Standard 5.3: Understand the Relationship Between the Web and Social Media	
5.3.1 Define social media.	N/A
5.3.2 Understand how and why social media grew to play such an important role in the Web.	N/A
5.3.3 Explore the demographic breakdown of social media users and how their use of various applications differs.	N/A
5.3.4 Investigate the various types of social networks, how social networking sites function, and how marketers use these sites to build an audience.	N/A
5.3.5 Differentiate between Blogging and Content Management Systems.	N/A
5.3.6 Examine benefits and potential pitfalls of using Blogging and Social Media.	N/A
5.3.7 Explore Wikis and how they harness the collaborative nature of a user community.	N/A
5.3.8 Add Fresh Content with RSS/XML feeds.	N/A
5.3.9 Define "Mashups" and how they give marketers a unique opportunity to present features and information pulled together from other social media tools.	N/A
5.3.10 Explore the creation of Virtual worlds, how people communicate using avatars.	N/A