



Course Syllabus and Planner for Tennessee

Web Design Foundations & Web Site Development

Updated March, 2019

Course Overview

The CompuScholar *Web Design* curriculum is normally a one-year (two-semester) course covering most required topics in the Tennessee “**Web Design Foundations**” standards. By popular request, this document explores a scheduling pattern and identifies supplements needed to comply with both the Tennessee “**Web Design Foundations**” and the “**Web Site Development**” standards as a two-year sequence.

Course Planner

To complete both Tennessee course standards over a two-year sequence, the normal 1-year pacing for CompuScholar’s *Web Design* course should be extended with a number of supplemental lessons and activities to meet the additional standards.

- **Year 1 - Web Design Foundations (WDF)** - can be completed with the first half of CompuScholar’s *Web Design* plus supplemental material
- **Year 2 - Web Site Development (WSD)** - can be completed with the second half of CompuScholar’s *Web Design* plus supplemental material



The following tables describe how to meet all **WDF** and **WSD** standards over a 2-year sequence using CompuScholar's *Web Design* as the primary resource. Where specific WDF or WSD standards are not met, the source is identified as "Teacher Supplements", which should be provided by the teacher.

Web Design Foundations – Year 1

Week	Reading and Objectives	Source / Comments
1	Chapter One: Web Tools and Languages	Web Design
2	Chapter Two: Your First Web Page	Web Design
3	Chapter Three: Head and Body Elements	Web Design
4	Chapter Four: Organizing Content	Web Design
5-6	Chapter Five: Connecting Your Site	Web Design
7-8	Chapter Six: Cascading Style Sheets	Web Design
9	Chapter Seven: Common CSS Properties	Web Design
10	Chapter Eight: Styling Links, Backgrounds, and Borders	Web Design
11	Chapter Nine: Positioning	Web Design
12	Chapter Ten: Creating Your Brand	Web Design
13	Chapter Eleven: Working with Graphics	Web Design
14	Chapter Twelve: Tables	Web Design
15	Chapter Thirteen: Web Site Design Strategies	Web Design
16	Supplemental Lesson / Activity 4: Project Management	Web Design
17-18	Chapter Fourteen: Mid-Term Project	Web Design
19-20	Chapter Fifteen: Computers and Networks	Web Design
21-22	Supplemental Lessons 3, 10, 11, 12 (as needed)	Web Design



23	Supplemental Chapter: Photosharing services <ul style="list-style-type: none">• Embed meta-data in images – any reasonable photo-editing software• Investigate photosharing services – Digital Savvy's chapters on social media• Create local photosharing service – use shared Google Drive folder or similar free cloud service; avoid local network entanglements.	WDF #11 – Teacher supplements and Digital Savvy, Chapters 17/18
24	Supplemental Chapter: E-commerce Sites <ul style="list-style-type: none">• Investigate – online research into popular e-commerce engines• Describe – free-form discussion & report	WDF #26 – Teacher supplements
25-27	Supplemental Chapter: Online Marketing <ul style="list-style-type: none">• Examine – online research• Create questionnaire – in teams• Marketing plan – classroom activities	WDF #27, #28 – Teacher supplements



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28-29	Supplemental Chapter: Testing Tools <ul style="list-style-type: none">• Accessibility – W3Schools validator• Connection speed/page size – discussion• Load and authentication testing – N/A	WDF #35 – Teacher supplements
30-32	Final Project	Similar to mid-term project with expanded skill-set



Web Site Development - Year 2

Week	Reading and Objectives	Source / Comments
1-2	Chapter Sixteen: Tools and Trends	Web Design
3	Supplemental Activity: Trends Research and Presentation <ul style="list-style-type: none">Extended research and presentation into chosen topic	WSD #20 – Teacher supplements and Web Design Chapter 16, Lesson 3
4	Supplemental Chapter: Design Models <ul style="list-style-type: none">Classroom activities – research and model design procedures	WSD #6 – Teacher supplements and Web Design Chapter 13, Lesson 1
5	Supplemental Chapter: Project Management Tools <ul style="list-style-type: none">Use Trello or other free tool	WSD #7 – Teacher supplements and Web Design Supplemental Lesson 4
6	Chapter Seventeen: HTML5 Concepts	Web Design
7	Chapter Eighteen: Figures and Annotations	Web Design
8	Chapter Nineteen: Adding Audio and Video	Web Design
9	Chapter Twenty: Introducing CSS3	Web Design
9	Supplemental Lesson: Web Units and Measurements <ul style="list-style-type: none">Classroom discussion about responsive design for mobile devices	WSD #10 – Teacher supplements
10	Chapter Twenty-One: Cool CSS3 Features	Web Design
11	Chapter Twenty-Two: Relationship Selectors	Web Design
12	Chapter Twenty-Three: Pseudo-Selectors	Web Design
13	Chapter Twenty-Four: Dynamic Menus	Web Design
14-16	Mid-Term Project	Similar to other Web Design mid-term or final projects
17	Chapter Twenty-Five: Introducing JavaScript	Web Design
18	Chapter Twenty-Six: Dynamic Pages with jQuery	Web Design
19	Chapter Twenty-Seven: jQuery Special Effects	Web Design



20-21	Supplemental Chapter(s): JavaScript Frameworks <ul style="list-style-type: none">• Introduce other JavaScript frameworks at teacher's discretion	WSD #8 – Teacher supplements
22	Supplemental Chapter: Security and Privacy <ul style="list-style-type: none">• Use Digital Savvy material as a basis	WSD #3 – Teacher supplements and CompuScholar: Digital Savvy Chapter 8, Lessons 1 - 3
23	Supplemental Chapter: Web Design Opportunities <ul style="list-style-type: none">• Expand on Supplemental Lesson 8 with additional opportunities	WSD #4 – Teacher supplements and Web Design Supplemental Lesson 8
24	Supplemental Chapter: Workplace Safety <ul style="list-style-type: none">• Use Digital Savvy material as a basis	WSD #1 – Teacher supplements and Digital Savvy: Chapter 24, Lesson 3
25-26	Supplemental Chapter: Content Management Systems <ul style="list-style-type: none">• Classroom discussion of plugins and content management systems• Extend Supplemental Lesson 9 as needed	WSD # 13, #17 - Teacher supplements and Web Design Supplemental Lesson 9
27-29	Chapter Twenty-Eight: Final Project	Web Design
30	Supplemental Activity: Publishing to a Live Website <ul style="list-style-type: none">• Use existing Web Design and upload requirement is N/A	WSD #19 – Teacher supplements and Web Design Supplemental Lessons 1 and 2