

**Wilson Area School District
Planned Course Guide**

Title of planned course: Web Design

Subject Area: Computer Arts

Grade Level: 7

Course Description: Students will gain the knowledge and skills to create and edit a basic webpage.

Time/Credit for this Course: 6 weeks

Curriculum Writing Committee: Ken Murray and Peter Lucot

**Wilson Area School District
Planned Course Materials**

Course Title: Web Design

Textbook: None _____ (title)
 _____ (publisher)
 _____ (copyright date)
 _____ (web address)

Supplemental Books:

Teacher Resources: Web authoring software

Curriculum Map

Week 1: Identifying essential parts of webpage

Week 2: Planning a webpage

Week 3: Beginning structures of a webpage

Week 4: Introduction to webpage construction (background, text, graphics, files, etc.)

Week 5: Adding components to webpage

Week 6: Evaluation of website, security, new trends

Curriculum Scope & Sequence

Planned Course: Web Design (Grade 7)

Unit: Introduction to Web Design

Time frame: 25 classes

State Standards 3.7.7 C, 3.7.7 D

Anchor(s) or adopted anchor:

Know specialized computer applications used in the community
Identify software designed to meet specific needs

Essential content/objectives: At end of the unit, students will be able to:

- Demonstrate understand and application of the Acceptable use policy
- Describe how to safely interact with others online and identify cyber bullying and appropriate response
- Name the essential parts of a web page (title, heading, etc.)
- Know the basics of HTML as used in a webpage tag (fenced instructions)
- Apply proper code instructions to change the background, text formatting
- Navigation of web pages (design structures)
- Linking web pages within the site (hyperlinks)
- Adding photographs/graphics
- Motion graphics (GIF animations) making GIFs
- Clip art (JPG's, BMP's, PNG's, etc.)
- Javascript and how to include items written in Javascript into a web page
- Links to external websites
- Links to other internal documents/files from webbank
- What are Zip files?
- What are PDF files? – common filename extensions found on the WWW
- How objects are added to a web page (i.e. flash applications, movies, audio, hit counter)
- Tables, linebreaks, etc.

Core Activities: Students will complete/participate in the following: Create sample web pages, complete worksheets on design topics, vocabulary worksheets

Extensions: Students study published websites to learn new techniques, create a website demonstrating concepts learned

Remediation: Review vocabulary and activity worksheets

Instructional Methods:

- Demonstrate, direct instruction, activation of prior knowledge, large and small group discussion
- Demonstration of techniques used on a website
- Directly teach technique with student practice
- Prior knowledge includes basic computer skills, content understanding, and concepts from previous course lessons.

Materials & Resources: Web authoring software, teacher-created worksheets

Assessments:

Teacher Observation
Worksheet Scores
Criteria Rubric

Suggested Day-By-Day Guide

1. Opening class, roster, logins, etc.
2. Acceptable Use Policy, online safety, cyber bullying
3. Definitions and vocabulary of web pages
4. Identifying parts of a web page
5. Planning a website – introduction to storyboards, hyperlinks, and navigations map an existing website
6. Begin class sample website – plan on paper
7. Decisions about style and content, discuss styles and how to develop content
8. Ethical considerations about images, text, audio
9. Web creation software (what we will use, what is also available)
10. Using web creation software to explore existing websites and their structure
11. Introductory HTML – tags, fences, how to “read” html files, practice writing tags
12. Hexadecimal codes for colors – how to find a color on the chart
13. Begin student project – approve topics and student groupings – individual or small groups
14. Write an opening screen (storyboard), create site map to essential pages (worksheets), get approval of planned website
15. Create the critical parts of the pages, links and navigation plan
16. Creative backgrounds (plain, colored, textured)
17. Text formatting (changing font, style, color, size, etc.)
18. Static graphics and decorations
19. Animated files - .GIF files (motion clips) on a webpage
20. Using animation – software (movie maker? Gif editor?) to create
21. Applying animations created
22. Javascripts and what they can do – flash movies
23. Creating a simple table of information to their website
24. Adding attachments (eg., mailto:, pdf files, zip files)
25. Evaluating your website, comparing to a rubric, constructive criticisms
26. Cookies, tokens, and how they work
27. Website security
28. Browsers and operating systems on the market
29. New trends in web designs
30. Finish course