General Syllabus for:

**Internet**

10-12**---- GRADES**

**CONNEAUT SCHOOL DISTRICT**


**Type of course:**  Elective Course. The Internet course is designed to introduce students to a wide range of topics concerning the Internet. The topics to be covered will vary as technology on the Internet expands. The following will be included: web page construction and design use of e-mail, e-mail attachments, address book maintenance, and Internet search techniques and bookmark maintenance. Web page design will include page content, background and image creation, and linking.
*practice availability based on district access and policy

**Prerequisites:**  Computer Applications

**Text Information:** Microsoft Expression Web by Julie Riley
ISBN-13: 978-1-4239-0550-9 or ISBN – 10: 1-4239-0550-4

HTML and JavaScript BASICS by Karl Barksdale and Shane Turner
ISBN-13: 978-0-324-78940-9 or ISBN-10: 0-324-78940-8

**Objectives**:
o   Students will understand how technology will play an ever-increasing role in many careers.
o   Students will learn internet terminology.
o   Students will research the history of the internet
o   Students will learn hypertext markup language (html) as an introduction to creating web pages.
o   Students will create web pages using Expression Web.

**Topics Covered**:

*Term 1 or 4*
Internet Terminology, Searches and History (10 days @ 45 min./day)

   o   Identify Internet terminology (Day 1-2)
   o   Internet Search techniques (Day 3-5)
   o   History of the Internet: research and present topics (Day 6-10)


Hypertext Markup Language (10 days @ 45 min./day)
Lesson 1: Quick HTML Know-How
   o   How HTML Works (Day 11)
   o   Starting tags and Saving your HTML page (Day 11)
   o   Integrating headings (Day 12)
   o   Creating unordered, ordered, and embedded lists (Day 12)

Lesson 2: Basic Organization Techniques

- o Deprecation (Day 13)
- o Single and Double Spacing (Day 13)
- o Adding Lines and Color
- o Color by Number in Hexadecimal (Day 13-14)
- o Horizontal Rules (Day 14)
- o Placing Hyperlinks (Day 14)
- o Color Text (Day 14)

Lesson 3: Power Techniques

- o Texting (Day 15)
- o Downloading and Inserting Graphics (Day 15)
- o Creating Pictures in All Sizes (Day 16)
- o Creating Orderly Tables (Day 16)
- o Adding Extraordinary Extras (Day16)

Lesson 4: HTML Structural Design Techniques

- o Create an HTML Frameset (Day 17)
- o Adding a Navigation Bar (Day 17)
- o Creating a Web Site Welcome Page (Day 17)
- o Creating a Nested Frameset (Day 18)
- o Creating a Title Bar (Day 18)
- o Using Advanced HTML Options (Day 18)

Lesson 5: Introduction to Cascading Style Sheets

- o Creating Cascading Style Sheets (Day 19)
- o Exploring Hyperlink Styles (Day 19)
- o Working with Style Classes (Day 19-20)
- o Sharing Style Classes (Day 20)
- o Exploring Table Styles (Day 20)

Microsoft Expression

Unit A: Getting Started with Microsoft Expression Web (5 days @ 45 min./day)

- o Exploring and getting familiar with the Expressions Workspace (Day 21-Day 23)
- o Working with various views, helpdesk, and printing (Day 24)
- o Concept review and independent challenges - pages 18-21 (Day 25)

Unit B: Creating a Web Page (5 days @ 45 min./day)

- o Organizing and planning a Web site (Day 26)
- o Using Expression Web templates to build a site (Day 27)
- o Creating a web page and setting CSS options (Day 27)
- o Adding page properties: title, page description, and keywords to the Web site (Day 28)

- o   Managing web pages – creating, deleting, and renaming pages, and adding folders (Day 28-29)
- o   Navigating Expression Web (Day 29)
- o   Concept review and independent challenges - pages 40-45 (Day 30)

*Term 2 or 5*
Unit C: Adding Text and Links (7 days @ 45 min./day)

- o   Inserting a text file into a Web page (Day 31)
- o   Pasting text into a Web page (Day 32)
- o   Typing text and inserting symbols (Day 33)
- o   Editing Web pages using spell check and the thesaurus (Day 33)
- o   Creating internal and external hyperlinks (Day 34)
- o   Creating and linking to a bookmark (Day 35)
- o   Creating an e-mail link (Day 35)
- o   Copying and pasting content between pages (Day 36)
- o   Concept review and independent challenges - pages 66-71 (Day 36-37)

Unit D: Structuring and Styling Text (7 days @ 45 min./day)

- o   Structuring content with HTML (Day 38)
- o   Creating paragraphs and line breaks (Day 38)
- o   Creating headings and lists (Day 39)
- o   Understanding Cascading Style Sheets – CSS (Day 40)
- o   Creating and modifying an element-based style rule (Day 40-41)
- o   Creating, applying, and removing a class-based style rule (Day 42-43)
- o   Concept review and independent challenges - pages 92-96 (Day 44)

Unit E: Working with Pictures (5 days @ 45 min./day)
- o   Understanding web graphics (Day 45)
- o   Inserting a Picture (Day 45)
- o   Resizing and Resampling a Picture (Day 46)
- o   Editing a Picture (Day 46)
- o   Setting Wrapping Styled and Margins (Day 47)
- o   Setting Auto Thumbnail Options (Day 47)
- o   Creating and Styling a Thumbnail Picture (Day 48)
- o   Concept review and independent challenges - pages 114-120 (Day 49)

Unit F: Enhancing a Design with CSS (6 days @ 45 min./day)

- o   Understanding CSS Layout (Day 50)
- o   Adding Background Images ( Day 50)
- o   Setting a Background Color Using the Eyedropper Tool (Day 51)
- o   Setting a Background Color Using a Swatch (Day 51)
- o   Adding a Border (Day 52)
- o   Setting Margins and Padding (Day 52)
- o   Styling the Footer (Day 53)
- o   Adding a Font Family (Day 53)
- o   Styling Headings (Day 54)

- Concept review and independent challenges - pages 140-146 (Day 54-55)

Unit G: Designing Site Navigation (4 days @ 45 min./day)

- Understanding Effective Navigation (Day 56)
- Creating and editing an Interactive Button (Day 56-57)
- Creating a Navigation Bar (Day 58)
- Adding a Navigation Bar to Site Pages (Day 58)
- Understanding and Creating Link Styles (Day 59)
- Concept review and independent challenges - pages 162-170 (Day 60)

*Term 3 or 6*
Unit H: Testing and Publishing Your Web Site (4 days @ 45 min./day)

- Verifying hyperlinks (Day 61)
- Viewing and Editing Page Titles (Day 61)
- Understanding and Testing Accessibility (Day 62)
- Understanding Web Server Types (Day 63)
- Setting Up and Connecting to a Remote Site (Day 63)
- Publishing a Web Site (Day 64)
- Concept review and independent challenges - pages 186-192 (Day 64)

Unit I: Working with Tables (5 days @ 45 min./day)

- Inserting a Table and Adding Content (Day 65)
- Applying AutoFormat to a Table (Day 65)
- Setting Table Properties (Day 66)
- Merging Cells (Day 66)
- Adding a Resizing Rows and Columns (Day 67)
- Modifying Cell Properties (Day 67)
- Modifying a Table Style (Day 68)
- Making a Table Accessible (Day 68)
- Concept review and independent challenges – pages 210-216 (Day 69)

Unit J: Creating Forms (5 days @ 45 min./day)

- Understanding forms and form controls (Day 70)
- Adding a form to a Web page (Day 70)
- Grouping form controls (Day 71)
- Adding a text box (Day 71)
- Adding radio buttons (Day 72)
- Adding checkboxes (Day 72)
- Adding a drop-down box (Day 73)
- Adding a text area (Day 73)
- Add buttons (Day 74)
- Concept review and independent challenges – pages 210-216 (Day 74-75)

Unit K: Creating Forms (6 days @ 45 min./day)
- Understanding Forms and Form Control (Day 76)

- o Adding a From to a Web Page (Day 76)
- o Grouping Form Controls (Day 77)
- o Adding a Text Box (Day 77)
- o Adding Radio Buttons (Day 78)
- o Adding Checkboxes (Day 78)
- o Adding a Drop – Down Boxes (Day 79)
- o Adding a Text Area (Day 79)
- o Adding Buttons (Day 80
- o Concept review and independent challenges – pages 210-216 (Day 80-81)

Unit L:  Using Code Tools (5 days @ 45 min./day)
- o Working in Code View (Day 82)
- o Removing a Tag (Day 82)
- o Using the Quick Tag Editor (Day 83)
- o Inserting HTML Comments (Day 83)
- o Using the Find and Replace Feature ( Day 84)
- o Using the Tag Properties Task Pane (Day 84)
- o Using Code Hyperlinks to Locate CSS Code (Day 85)
- o Using the CSS Properties Task Pane (Day 85)
- o Concept review and independent challenges – pages 282-288 (Day 86)

Unit M:  Understanding the Importance of Typography (4 days @ 45 min./day)
- o Understanding the Importance of Typography (Day 87)
- o Controlling Line Length (Day 87)
- o Using the Line-Height Property (Day 87)
- o Using the Text-Transform Property (Day 88)
- o Using the Letter-Spacing Property (Day 88)
- o Creating and Applying a Drop Cap Style (Day 89)
- o Creating and Applying a Pull Quote Style (Day 89)
- o Creating Advanced Typography Effects (Day 90)
- o Concept review and independent challenges – pages 306-312 (Day 90)
- o Complete Personal Web Page

Unit N: Creating a Layout in CSS – (Time Permitting)
Unit O: Designing Like a Pro – (Time Permitting)
Unit P: Working with Dynamic Web Templates – (Time Permitting)

**Assessment:**
- o History of the Internet Report and Presentation
- o Basic HTML Assessment
- o Projects to demonstrate concepts for each unit
- o Final Project – Personal Web Page


**Parent/Student Resources:**
Parents:           Edline (http://www.edline.net) *online tracking of progress and grades
Students:         Data files for Application exercises are available on Conneaut School District network.
                        Each student maintains a personal portfolio of completed work.