

WIHS Business Education Department

Web Design

Scope and Sequence

Submitted by Dawn Morgan, October 2015

Standards Addressed

Standard 1: Career Development – Students will be knowledgeable about the world of work, explore career options, and relate personal skills, aptitudes, abilities to future career decisions.

Standard 2: - Integrated Learning – Students will demonstrate how academic knowledge and skills are applied in the work place and other settings.

Standard 3a: Universal Foundations Skills – Students will demonstrate mastery of the foundation skills and competencies essential for success in the workplace.

Standard 3b: Career Majors – Students who choose a career major will acquire the career-specific technical knowledge/skills necessary to progress.

Part I: HTML

Introduction to HTML, XHTML and CSS

<ul style="list-style-type: none"> o What is the Internet o What is the World Wide Web o Web Servers o Web Site Types and Purposes o Web Browsers o What is HTML o HTML Elements o Web Site Structures 		<p>Standard 1: Career Development Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors</p>
<ul style="list-style-type: none"> ● Creating and Editing a Web Page Using Inline Styles <ul style="list-style-type: none"> o Elements of a Web Page <ul style="list-style-type: none"> ▪ Window Elements ▪ Text Elements ▪ Image Elements ▪ Hyperlink Elements o Defining a Web Page Structure in Noepad++ o Defining the HTML Document <ul style="list-style-type: none"> ▪ The Head Section ▪ The Body Section ▪ Entering initial tags ▪ Entering paragraph text o HTML Tags <ul style="list-style-type: none"> ▪ Ordered and unordered lists <ul style="list-style-type: none"> ● Using style statement to display italic text ▪ Viewing in a Web Browser o Style Sheets 		<p>Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors</p>

<ul style="list-style-type: none"> ▪ Inline Styles and Style Statements ▪ Embedded Styles Sheets ▪ External Style Sheets o Image Attributes <ul style="list-style-type: none"> ▪ Alternative text ▪ height ▪ hspace ▪ src ▪ vspace ▪ width o Visual Enhancements <ul style="list-style-type: none"> ▪ Colors in Hexadecimal chart o Horizontal Rules <ul style="list-style-type: none"> ▪ Height ▪ Width ▪ Color using inline style o Validating a Web Page using W3C 		
<ul style="list-style-type: none"> ● Creating Web Pages with Links, Images and Embedded Styles Sheets <ul style="list-style-type: none"> o Hyperlinks <ul style="list-style-type: none"> ▪ Bookmarks <ul style="list-style-type: none"> ● Setting Links and Targets ▪ Outside Websites ▪ Email <ul style="list-style-type: none"> ● Adding a Subject to an Email link ● Adding body text ▪ Linking to another page within a Web Site ▪ Image Links o Creating a Home page o Adding a Banner Image o Using a picture to add interest to a bulleted list o Absolute and Relative Paths o Creating an Embedded Style Sheet 		<p>Standard 1: Career Development Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors</p>

<ul style="list-style-type: none"> o Adding an image with wrapped text o CSS Selectors and Declarations 		
<ul style="list-style-type: none"> ● Creating Tables using an External Style Sheet <ul style="list-style-type: none"> o Table Elements <ul style="list-style-type: none"> ▪ Rows ▪ Columns ▪ cells ▪ Heading cells ▪ Data cells ▪ captions ▪ Table Borders <ul style="list-style-type: none"> ● Color ● Cellspacing ● Cellpadding ▪ Headers ▪ Captions ▪ Rules o Spanning columns and Rows o Create a horizontal menu bar with text links o Create an External Style Sheet <ul style="list-style-type: none"> ▪ Linking an external Style Sheet 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning</p> <p>Standard 3a: Universal Foundations Skills.</p>

Part II: Expression Web

Introduction to Expression Web		
<ul style="list-style-type: none"> ● Creating a Web Site <ul style="list-style-type: none"> ○ Setting page properties ○ Entering Text ○ Applying Formatting and Styles ○ Switching views 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.</p>
<ul style="list-style-type: none"> ● Working with Images <ul style="list-style-type: none"> ○ Inserting an image ○ Resizing an image ○ Positioning an image ○ Enhancing an image ● Adding Navigational Links to a Site <ul style="list-style-type: none"> ○ Internal links ○ External links ○ Bookmarks ○ Email 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.</p>
<ul style="list-style-type: none"> ● Working with Templates and Styles <ul style="list-style-type: none"> ○ Creating a Website from a template ○ Specifying a Structure/files ○ Modifying a Structure/files ○ Defining Styles and Style sheets 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.</p>
<ul style="list-style-type: none"> ● Creating Styles and Layout with CSS <ul style="list-style-type: none"> ○ Create ID based styles ○ Position Content with CSS ○ Format text with CSS ○ Create a font family ○ Create an external style sheet 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.</p>

<ul style="list-style-type: none"> o Modify a style sheet using code o Attach a style sheet 		
<ul style="list-style-type: none"> ● Working with Data Tables and Inline Frames <ul style="list-style-type: none"> o Use a preformatted style sheet o Insert a data table o Change table and cell properties o Add text and images o Add rows and columns o Merge and split table cells o Format a table using CSS o Convert text to table o Use table Auto format o Distribute rows and columns o Create an inline frame o Target links in an inline frame 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning</p> <p>Standard 3a: Universal Foundations Skills.</p>
<ul style="list-style-type: none"> ● Adding Interactivity <ul style="list-style-type: none"> o Interactive buttons <ul style="list-style-type: none"> ▪ Create an interactive button ▪ Duplicate an interactive button ▪ Edit an interactive button ▪ Test an interactive button o Define how behaviors work o Use the behaviors panel <ul style="list-style-type: none"> ▪ Add a jump menu behavior ▪ Add a status message behavior ▪ Add a swap image behavior ▪ Test a behavior ▪ Create an image map 		<p>Standard 1: Career Development decisions.</p> <p>Standard 2: - Integrated Learning</p> <p>Standard 3a: Universal Foundations Skills.</p>