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

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		Standard 1: Career Development Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors
● Creating and Editing a Web Page Using Inline Styles o Elements of a Web Page ▪ Window Elements ▪ Text Elements ▪ Image Elements ▪ Hyperlink Elements o Defining a Web Page Structure in Noepad++ o Defining the HTML Document ▪ The Head Section ▪ The Body Section ▪ Entering initial tags ▪ Entering paragraph text o HTML Tags ▪ Ordered and unordered lists ● Using style statement to display italic text ▪ Viewing in a Web Browser o Style Sheets		Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors

▪ Inline Styles and Style Statements ▪ Embedded Styles Sheets ▪ External Style Sheets o Image Attributes ▪ Alternative text ▪ height ▪ hspace ▪ src ▪ vspace ▪ width o Visual Enhancements ▪ Colors in Hexadecimal chart o Horizontal Rules ▪ Height ▪ Width ▪ Color using inline style o Validating a Web Page using W3C		
● Creating Web Pages with Links, Images and Embedded Styles Sheets o Hyperlinks ▪ Bookmarks ● Setting Links and Targets ▪ Outside Websites ▪ Email ● 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		Standard 1: Career Development Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills Standard 3b: Career Majors

o Adding an image with wrapped text o CSS Selectors and Declarations		
● Creating Tables using an External Style Sheet o Table Elements ▪ Rows ▪ Columns ▪ cells ▪ Heading cells ▪ Data cells ▪ captions ▪ Table Borders ● 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 ▪ Linking an external Style Sheet		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.

Part II: Expression Web

Introduction to Expression Web		
• Creating a Web Site o Setting page properties o Entering Text o Applying Formatting and Styles o Switching views		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.
• Working with Images o Inserting an image o Resizing an image o Positioning an image o Enhancing an image • Adding Navigational Links to a Site o Internal links o External links o Bookmarks o Email		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.
• Working with Templates and Styles o Creating a Website from a template o Specifying a Structure/files o Modifying a Structure/files o Defining Styles and Style sheets		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.
• Creating Styles and Layout with CSS o Create ID based styles o Position Content with CSS o Format text with CSS o Create a font family o Create an external style sheet		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.

o Modify a style sheet using code o Attach a style sheet		
● Working with Date Tables and Inline Frames 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		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.
● Adding Interactivity o Interactive buttons ▪ 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 ▪ Add a jump menu behavior ▪ Add a status message behavior ▪ Add a swap image behavior ▪ Test a behavior ▪ Create an image map		Standard 1: Career Development decisions. Standard 2: - Integrated Learning Standard 3a: Universal Foundations Skills.