

BLACKHAWK SCHOOL DISTRICT

CURRICULUM

Course Title: Web Page Design

Course Number: 080_0720

Grade Level(s): Grade 9, 10, 11, 12

Length of Period: 42 minutes

Length of Course: 80 Days

Credits: .5

Faculty Author(s): Don Diehl

Date: 6/10/13

COURSE DESCRIPTION: Web Page Design is a one semester course designed for students who have taken Computers and Multimedia and are interested in continuing their exploration of multimedia in order to create lively and attractive Web Pages. Students will create professional quality Web Pages using a variety of backgrounds, borders, graphics, photos, animations, marquees, sound clips and various Java programs. The HTML computer language is used to create the Web Pages in this class. Students will also learn to create their own animations.

PA Standard	Description
3.7.10.C	Apply basic computer operations and concepts.
3.7.10.D	Utilize computer software to solve specific problems.
3.7.12.C	Evaluate computer operations and concepts as to their effectiveness to solve specific problems.
3.7.12.D	Evaluate the effectiveness of computer software to solve specific problems.
1.1.11.F	Understand the meaning of and apply key vocabulary across the various subject areas.
1.2.11.A	Read and understand essential content of information texts and documents in all academic areas.

Class Resources

WordPad, Paint Shop Pro, Dreamweaver software programs.

Dreamweaver CS3 & CS5 Complete Concepts and techniques.

Course Topic	Proposed Time	Topic Reflection
Web Page Design Introduction to Basics	15 Days	
▪ Understanding the District Computer Acceptable Use Policy ▪ Students will understand and use HTML code to produce and control all aspects of Web Page design. ▪ STUDENTS WILL USE HTML CODE TO: ▪ Create various Web Page projects. ▪ Understand Web Page design, layouts and “tricks” ▪ Create different types of spacing, i.e. line spacing, block quotes, indentions, ▪ Link Web Pages together, link different parts of a web page together, and link different parts of a Web Site. ▪ Understand the use of color. ▪ Ordered, Unordered, and Definition lists. ▪ Control text fonts, colors, size, type and alignment. ▪ Create lines. ▪ Create their first Web Page Project from an image. ▪		

Course Topic	Proposed Time	Topic Reflection
Intermediate Web Page Design Concepts	25 Days	
▪ Create Alphabetical indexes ▪ Control color in text and backgrounds including Custom Colors. ▪ Link E-mail addresses ▪ Create Forms and Questionnaires ▪ Create Buttons and link them to various sites. ▪ Adding images to a Web Page and images as backgrounds to a Web Page. ▪ Controlling horizontal and vertical alignment of images ▪ Understanding and creating background tiles for backgrounds. ▪ Creating and adding transparent images. ▪ Create a Web page using the concepts learned so far as a Project ▪ Understanding the various use of creating tables for Web Page design and control. ▪		

Course Topic	Proposed Time	Topic Reflection
Advanced Web Page Design Concepts #1	16 Days	
▪ Introduction to the Dreamweaver Software Program. ▪ Introduction to the concept of Web Site Development. ▪ Create using Guided Practice a Web Site using Colorado National Parks and Monuments as a theme. ▪ Create the Home page adding text, different type of lists, background images and use of color. ▪ Add additional pages to the Web Site, including images, linking the pages together and to the WWW, and e-mail links. ▪ Understand targeting links and Site Maps. ▪ Students will also create 2 Web sites using printed directions and 1 additional site using their own creativity following a rubric.		

Course Topic	Proposed Time	Topic Reflection
Advanced Web Page Design Concepts #2	24 Days	
▪ Continue using Guided Practice to expand the Colorado National Parks and Monument Web Site students will add additional pages highlighting the following concepts: ▪ Students will understand the concept of adding tables both with the insert and layout modes. ▪ Adding text, images, and links to the cells, and merging cells. ▪ Adding color, borders, and backgrounds to tables and cells. ▪ Students will understand the use of various types of forms and how to insert them into tables. ▪ Understand the use of behaviors and validation of forms. ▪ Understanding the head tag and key words and descriptions. ▪ Students will be introduced to templates and Style sheets for use in a Web Page. ▪ Students will be create a “Spotlight page” using a template. ▪ Students will also create 2 Web sites using printed directions and 1 additional site using their own creativity following a rubric.		