**Somerset Berkley Regional High School**

***Engineering Technology Department***

**Web Page Design Syllabus**

**Mrs. Darmody: Rooms #311, 318 & 206, E-mail:** [**darmodyg@sbregional.org**](mailto:darmodyg@sbregional.org)

**Website:** [**http://gaildarmody.weebly.com/**](http://gaildarmody.weebly.com/)

**(Office Hours: By appointment)**

**Course Objectives:**

Students will explore web page designs by creating pages to serve various marketing functions. After taking this course, students will have the skills necessary to design a web site that is easy to use and fulfills the needs of the users. Students will work independently to develop various styles of web sites using software programs and tools, such as HTML, Adobe Dreamweaver and Web 2.0 (Internet based) web site design tools. The goal is to create sites that are easy to use, exciting and fulfill the needs of end-users. As part of this course, students will develop an understanding of the importance of graphic design in web page layouts and the use of animations, video and sound to enhance a web site. Students will be required to develop their own animation for a web site as well. Students will be expected to present their final web sites designs in class.

Upon successful completion of this course, a student will be able to:

1. Understand the basics of Web Page Design.
2. Be able to design a useful and intelligent web site.
3. Understand the terminology of the web and the components that make up a web page.
4. Produce quality web pages and understand how to meet the goals of the various types of web pages.
5. Present their creations in a meaningful and accurate manner.
6. Realize the importance of the Internet and web pages in our society.
7. Produce customized graphics and designs for their web pages.
8. Understand why web pages are set up the way they are in order to provide the required information to the end user.
9. Write and present intelligently and reflectively about their design to help others understand what they created, why they created it and how they created it.

**Instructional Resources:**

* See my website at: <http://gaildarmody.weebly.com/>

**Materials needed for class each day. This is part of your class participation grade.**

**(if you have any questions or concerns regarding required materials, please speak to Mrs. Darmody asap!)**

* USB Jump Drive (2 GB minimum storage capacity)
* Notebook, pocket folder and writing utensil
* School agenda book
* Access to a computer with Internet access outside of the school day
* Personal email account to use with Google Docs

**Evaluation:**

75% - Projects, Class assignments, Quizzes, Tests and other assessments

25% - Class participation/behavior and homework

**Assignments, Projects & Assessments:**

All assignments/projects including homework, class work, papers, projects, etc. must be completed and turned in by the due date. Electronic assignments must be submitted & shared via Google Docs or your website. ***Work submitted late, without prior approval, will be subject to a full letter grade reduction for each day late, at the discretion of the teacher***. If you are absent, make up work & tests must be taken by the second class following your return to school, unless alternative arrangements have been approved by the teacher, or you will receive a full letter grade reduction on the test. Projects are evaluated using the school-wide rubrics for Technology Literacy, Research and Presentations, see <http://somersetberkley.org/rubrics.html>

**Class Rules & Expectations:**

1. Be respectful, attentive, courteous and cooperative with your peers and your teacher.
2. Be punctual to class and prepared to work with all necessary materials.
3. Avoid excessive absenteeism from class.
4. No food is allowed in the computer lab environment.
5. No drinks are allowed in the computer lab, except for a covered water bottle that will be kept away from the computer.
6. Avoid excessive requests for restroom visits.

**Course Topics:**

1. Ethical Use of Computers/Internet (AUP)
2. File Management & Computer Hardware/Peripherals Review
3. Introduction to Web Page Design
4. Understanding the Role of the HTML Language in Web Design
5. Understanding How to Use Content Management Tools to Design Web Sites
6. Creating & Using Audio & Video in a Web Site
7. Introduction to the Use of Animation in Web Sites
8. Creating Animation to Use in a Web Site
9. Presenting Final Web Site Designs

**This course is aligned to the Massachusetts Technology Literacy Standards for Web Authoring located on page 19 at:** <http://www.doe.mass.edu/odl/standards/itstand.pdf>

**G9-12: 1.36** Distinguish between effective and ineffective Web site designs; explain the reasons.

**G9-12: 1.37** Explain terminology related to Web page authoring (e.g., HTML, URL, links, browsers, plugins, Web servers).

**G9-12: 1.38** Use HTML or Web-authoring tools to create, edit, and publish well organized Web sites with effective navigation.

**G9-12: 1.39** Explain basic practices that contribute to a Web site's accessibility to people with disabilities (e.g., using alternative text, captioning, consistent structure).

**G9-12: 1.40** Explain how to test and debug Web files for quality assurance.

**G9-12: 1.41** Identify career options in Web design, development, and management.