

# Curriculum Outline



**Campbell High School**

Character – Courage – Respect – Responsibility

Course & Level: Honors Advanced Web Site Design

Department: Computer Education/ ICT

Teacher: Shawn McDonough

Grade level: 9-12

## Description of Course:

This course will give students an opportunity to learn and apply the professional-level web site application Dreamweaver. Students will be able to transfer their knowledge from Web Site Design to build productive and efficient web sites. These web sites will incorporate databases that will provide an interactive environment to produce efficient communication process on the World Wide Web. Topics of discussion will include forms, drop down menus, behaviors and what goes on “behind the web site”. In order for students to increase productivity within their web sites they will see how professional templates are used by seasoned webmasters. Students will be expected to use the current available technology to enhance the appearance and productivity of their web sites. Given that this is an honors course students will be expected to complete at least 40 hours of work outside of the classroom to be proficient in the course core competencies. One Semester

## School – Wide Expectations:

### Academic:

1. Read, write and speak effectively
2. Exhibit critical thinking and problem solving skills
3. Use resources to obtain information and facilitate learning


### Civic/Social

1. Exhibit personal responsibility
2. Work cooperatively in an atmosphere of mutual respect

*The school-wide expectations are incorporated into all courses at Campbell High School. Underlined words in the following text illustrate this alignment between the school-wide expectations and the course*


## Core Competencies and alignment with National Standards:

### Review HTML tags

 Students will be able to apply their knowledge of fundamental and advanced HTML tags to a web site.

ICT 3: Students will apply digital tools to gather, evaluate, and use information.

### Dreamweaver

 Students will design and create web sites using a WYSIWYG editor entitled Dreamweaver and become familiar with the Dreamweaver software application.

ICT 4: Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.

### Producing a “Live” Web Site

 Students will create, develop and update a “live” website.

ICT 2: Students use digital media and environments to communicate and work collaboratively, including at a distance, to support individual learning and contribute to the learning of others.

### **Suggested Texts and Media (Software, A/V, etc.):**

1. The course is driven by a PowerPoint syllabus found on the Student Share Drive within the Campbell network infrastructure.

### **Suggested Instructional Strategies:**

**1. Presentation** – Each Computer education class students will be shown techniques and theories using the appropriate software application and the instruction process will be enhanced through the use of the Smart Board and the LCD.

**2. Hands On** – Once students see the theory or techniques they will be given time in class to experiment with these theories and techniques to acquire the skill set associated with the lesson.

**3. Checking for Understanding** – As students take time to learn the theory and techniques the teacher will check in with students to make sure the learning process has been successful.

**4. Group Work** – For each software application, students are given both individual and group activities to complete. The group activities allow students to help each other and problem-solve to reach a common goal.

### **Suggested Assessment Strategies:**

- 1. Hands-On Application Assessments** – Students must show ability to use the theories and techniques that have been covered in the course. Application assessments are based on real life scenarios using the techniques and theories presented in the course.
- 2. Menu and Terminology Assessments** – Students will use a pictorial and narrative summary to demonstrate an understanding of concepts, terminology and software tools that have been presented to the class.
- 3. Demonstrate Understanding** – At times students will be asked to demonstrate their knowledge of theories and techniques through the use of the Smart Board technology located within the classroom.

### **Addendums:**

- 1. Honors Advanced Web Site Design Expectations and Syllabus** – At the beginning of the course students are given the Expectations and Syllabus for the course. Students access this document via the Student Share Folder and are asked to sign a document to acknowledging they have received this information.
- 2. Power Point Course Syllabus** – As class begins students are given the answer to the question “What will I learn today?” via a Power Point presentation. Detailed information about the class is located within the Power Point and rubrics for projects are located on the Student Share Folder.