Web 1 Course Syllabus

Instructor: Judson Birkel
Email: birkel_judson@salkeiz.k12.or.us
Location: Room 166

Summary

"Web Development is a course designed to guide students in a project-based environment in the development of up-to-date concepts and skills that are used in the development of today's websites. Students will learn the fundamentals of how the Internet works. They will learn and use the basic building blocks of the World Wide Web: HTML5 coding & Cascading Style Sheets (CSS). They follow the steps to create a website by planning, designing, developing, deploying, and maintaining of the website projects. They will learn what it takes for a career in Web Development as they complete projects and create their own web site."

– USOE Web I Standards Description

This course is designed to introduce students to basic web page design and website maintenance. Students will learn how to build pages using HTML and CSS as they focus on both functional and aesthetic properties of their pages. Additional concepts may be addressed as well such as form development and handling forms with javascript. By the end of the course, students will have developed their own online portfolio as well as created a mock-website for a company, product, or other topic.

*** College Credit Opportunity - Willamette Promise

Major topics and Timeframe

Sequence is subject to change.
Topics focus on:
- What the World Wide Web is and how it works (1 week)
- Html Basics (4 weeks)
- Css Basics (4 weeks)
- Basic HTML Layout (2 weeks)
- Going from concept to webpage (2 weeks)
- Portfolio (2 weeks)
- Final Project (3 weeks)

Expected Outcomes

The primary goals of this course are to help students:

1. Become familiar with how the internet works
2. Know the building blocks of the HTML language
3. Learn how to manipulate the look and feel of a website using the CSS language
4. Take a design for a multi-page website and build it from the ground up
5. Build and maintain a personal web portfolio to display student work

Text:

This course does not have a set textbook. Material for this course will be pulled from many places including:
- Canvas (for assignments)
- W3Schools (http://www.w3schools.com/)
- VSCode for Education

Software:

Students will use the following software (all free) to create, manipulate, and view their web pages. Students are strongly encouraged to add the software to their home computers in order to work on projects outside of class.
- VS Code for Education, Visual Code, or Notepad++, or Trinket
- Web Browser (Google Chrome is what will be used in class)

Prerequisite:

None - though students should be able to navigate a computer, save, organize and find files within their student: drive, and type over 30 words per minute. If a student does not feel confident using a computer, he/she should strongly consider first taking the software applications course.

Computer Facilities

The class is taught in a 30+ station networked computer lab. This room is used for lectures and student lab time. The computer lab is available before and after school most school-days - check with the instructor for more details on this.

Grading Policy

Students will earn points for all assignments, coding projects, quizzes, exams, etc. Final grade will be based on the total points earned against the total points assigned. Grades will be given as follows:

A: 87.5-100%
B: 75-87.49999%
C: 62.5 – 74.9999%
D: 50 – 62.49999%
F: 0 – 49.999%

TAG

The curriculum and instruction of this course will be differentiated based on assessed data and ongoing learning evidence to include specialized groupings, compacting of curriculum, accelerated pacing, and providing of extension/challenge activities (on the principle of 'different work' not 'more work'), in order to ensure that students designated as 'Talented and Gifted' (TAG) receive academic instruction that is appropriate for their rate and level of learning.

Student Expectations

Behavior/Discipline Plan:

Students are expected to be safe, responsible and respectful. Students not following these expectations may expect: verbal warnings, removal from class pending conference, parent contact, or referral to administration.

To be successful in this course:

- Stay focused and productive in the classroom
- Excellent attendance
- Let your projects, daily work, quizzes and tests display your best effort
- Feel free to talk with me about your projects, questions, etc.

Late Work & Makeup Work Policies

- Assignments are to be turned in on time.
- No late penalties