Web Design

Course Syllabus

Course Description	Course Topics
Course Description This course will familiarize the student with the history and evolution of personal computers, the Internet, and the World Wide Web, as well as how to plan, design, and create web pages and web sites. Related topics, both historical and current, will be a common component of class discussion that provides context and purpose. **Classroom Rules/Behavioral Standards** 1. All school rules and Class rules (see Student Handbook) are always in effect (e.g., Cell Phones, Gadgets, Attendance, etc.). 2. Your presence should contribute to a safe, positive learning environment. 3. Students are expected to be punctual for class, in your seat, and ready to learn before the bell. 4. Stay on-task. The computer/network is provided so that you can do class-related work. 5. Mistreatment of equipment, using/accessing/copying/printing/submitting other people s' files/work, etc., will result in immediate disciplinary action. 6. All graded work must be done in class unless otherwise instructed. 7. No food and drink is permitted in the classroom. Enjoy your food and drink in the cafeteria.	**Course Topics** **Introduction** • Relationship Building (Expectations) • History of the Internet • History of Personal Computers • Operating Systems • Applications • Anatomy of a Web Page **HTML** • Introduction to HTML • Creating Web Pages Using HTML • Graphics/Images • Links • Lists • Tables • Forms • Multimedia • Introduction to Dreamweaver • HTML in Dreamweaver • Creating Web Pages Using Dreamweaver **CSS** • Introduction to Cascading Style Sheets • Creating Web Pages Using Cascading Style Sheets **JavaScript** • Introduction to JavaScript • Creating Web Pages Using JavaScript **Other (To be Determined)** • What is a Web Server? • User Interface Considerations • Flash
Classwork/Homework The vast majority of the coursework is in-class on the computer, but occasional homework may be assigned. More than ample time is provided to complete all work in class. Student wanting or needing additional support are encouraged to use online resources; in addition, the public library offers many books on class topics. **Materials Provided** • Handouts • Online Resources • Computers w/Internet Access • Adobe Creative Suite 6 (including Dreamweaver) **Additional Materials Required Daily** • Two-pocketed folder • Notebook • Pencil/pen **Strongly Recommended** • GMail account (includes email & online storage)(Free) • USB Flash Drive (8GB are now under $10)	**Grading** **Activities, Projects, Problems 50%** **Journal /Presentations 10%** **Exams/Homework Enrichment 20%** **Classwork 20%** • **Participation** • **Behavior** • **Effort** • **Collaboration** **Total 100%** **Notes/Late Assignment Policy** ➢ *Grading Rubrics will be provided.* ➢ *Assignments must be presented to the instructor for grading.* ➢ *Assignments **not** submitted will be recorded as "ZERO".* ➢ *One point from earned grade will be deducted each day assignment is late.*

Class Policies

Attendance

Tardy to Class

The Parents/Guardians of students who are habitually tardy will receive a telephone call after the third time student is tardy. Students are required to make up work missed due to being tardy.

Missed Exams/Assignments due to excused absences

Students who will be away from school for any period of time must inform me so that I can prepare assignments that the student can complete during time away from school.

There is no credit for missed assignments if students have been found to be cutting class. The assignments will be required to be completed and will be corrected; however, should the student want credit for these assignments she/he will be required to complete additional work.

Students will be allowed to make up work due to excused absences.

Course Expectations:

Students will demonstrate:

➢ An ability to apply knowledge of (STEM) Science, Technology, Engineering, and Mathematics
➢ An ability to design and conduct experiments, as well as to analyze and interpret data
➢ An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability
➢ An ability to function on multi-disciplinary teams
➢ An ability to identify, formulate, and solve problems
➢ An understanding of professional and ethical responsibility
➢ An ability to communicate effectively
➢ The broad education necessary to understand the impact of Engineering solutions in a global, economic, environmental, and societal context
➢ A recognition of the need for, and an ability to engage in life-long learning
➢ A knowledge of contemporary issues
➢ An ability to use the techniques, skills, and modern tools necessary for Web Design practice

Sample Course Activities/Projects/Problems/Assessments:	Lesson Protocol:
➢ Creating Web Pages ➢ Designing Web Page Projects ➢ Application of HTML concepts to Web Page Design ➢ Application of Cascading Style Sheet concepts to Web Page Design ➢ Application of JavaScript concepts to Web Page Design ➢ Web Page Design Presentations	Teacher/Student Q&A Check for Understanding ➢ Opening Do Now Activity: Anticipatory Activity or Review of previous learning ➢ Teacher Models Steps/Processes ➢ Guided Practice: Students apply Steps/Processes with guidance ➢ Independent Practice: Students work in teams or independently to complete material ➢ Closing Activity: Summarize learning and final check for understanding

<u>Success</u>
Completing all assignments and submitting them on time is absolutely essential to learning and maximizing your grade. On the contrary, late or not submitting work will significantly hinder your success. It's up to you to stay on top of your assignments and ask for help as soon as you think you might need it; Do not wait until the end of a marking period and expect "extra credit" to make up for missing work. Take advantage of your unlimited access to online tutorials and training, or extra help, especially if you're experiencing difficulty with a topic.