

Web Design & Development
Syllabus 2023-2024
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Course Description

In the Web Development & Design program, students will learn to build, code, and publish standards-based content for a variety of formats including the web, smartphones and tablets. The instructor will present a disciplined approach to software design and coding with students working to achieve mastery level of multiple languages used in interactive design such as HTML5, CSS, JavaScript, PHP, and more.

Students will learn about writing, markup, and coding of websites while gaining theoretical knowledge about current practices and standards of web informational design. This will prepare students for the daily demands and obligations of the work environment and emphasize the importance of adherence to copyright laws and regulations for Web content.

Certifications

Please note that while we will discuss various certifications in this course that could enhance your skills and improve your resume, some certifications may require a fee that is not covered by the school.

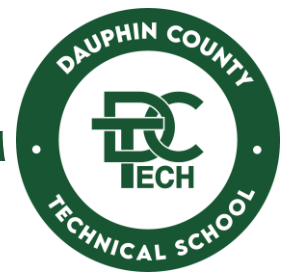
- Google Certifications (Data Analytics, Digital Marketing & Ecommerce, Project Management, UX Design, Google Ads)
- Adobe Certified Professional (Photoshop, Illustrator, Graphic Design)
- Yoast SEO Certifications
- IC3 Levels 1-3
- OSHA 10

Instructional Philosophy

My teaching philosophy is anchored in the belief that learning is most impactful when rooted in real-world contexts. By weaving practical applications into the curriculum, I aim to deepen understanding and inspire a curiosity that extends beyond the classroom.

Respect is paramount, creating an environment where every voice is valued, and diverse viewpoints enrich the learning journey. I strive to nurture critical thinking by posing thought-provoking open-ended questions, encouraging analysis, and fostering independent reasoning.

Through these pillars of experiential learning, respect, and critical thinking, I aspire to empower students with the skills and perspectives needed to thrive in an ever-evolving world of technology.



Course Content

Changes may be made to the course content at the discretion of the teacher, based on the needs and progress of the students in the class.

Unit Name	Years of Study
Classroom Expectations	Freshman, Sophomore/Junior (Year A & B), Senior
Computer Operation	Freshman
Introduction to Web	Freshman
HTML (Level 1)	Freshman
CSS (Level 1)	Freshman
Project Management (Level 1)	Freshman
HTML (Level 2)	Sophomore/Junior (Year A & B)
CSS (Level 2)	Sophomore/Junior (Year A & B)
Web Hosting	Sophomore/Junior (Year A & B)
Legislation & Compliance	Sophomore/Junior (Year A & B)
Graphic Design	Sophomore/Junior (Year A)
Marketing	Sophomore/Junior (Year A)
CMS	Sophomore/Junior (Year A)
JavaScript	Sophomore/Junior (Year B)
Database Development	Sophomore/Junior (Year B)
Project Management (Level 2)	Senior
Client Relations	Senior
Employment & Business	Senior
Nocti Preparation	Senior

Communication

Students with any questions or concerns will communicate through Microsoft Teams through direct message & class teams groups.

Schoology and Power School are updated weekly to view students' progress and grades. All assignments will be posted on Schoology. It is the responsibility of the student to check Schoology if they are absent.

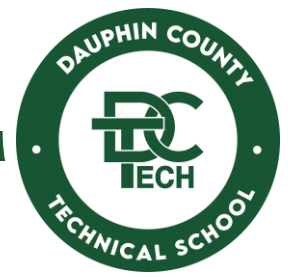
Parents and guardians with any questions or concerns may email Mr. Choate at jchoate@dcts.org and a return response will be no later than 2 school days.

Textbook and Supplemental Materials Provided by DCTS

Students will be provided with access to Adobe Creative Cloud (Photoshop, Illustrator in addition to various online resources needed to complete their work.

Textbooks used and kept in the classroom include:

- Krug, Steve. (2014). *Don't Make Me Think, Revisited*. New Riders.
- Robbins, Jennifer. (2018). *Learning Web Design, 5th Edition*. O'Reilly.
- Bennett, James Gordon. (2013). *Design Fundamentals for New Media, 2nd Edition*. Delmar Cengage Learning.



- Brown, Ethan. (2016). *Learning JavaScript, 2nd Edition*. O'Reilly.

Supplemental Materials Provided by the Student

Headphones are available for students. However, many students prefer to use their own and are welcome to bring them for use in the classroom. NO personal keyboards, computer mice, etc. should be brought into the classroom without specific permission from Mr. Choate.

Methods of Evaluation

Students will be evaluated using a combination of projects, tests/quizzes, effective communication skills, participation, and professionalism. There is a strong emphasis on independent and self-directed learning that leads to true understanding, retention of concepts, and self-improvement/self-education (critical in an everchanging technology field). Students will also be expected to use analytical skills and professional communication skills.

Grade Calculations

Final grade is calculated as a weighted average of the following categories:

- Projects 40%
- Participation 25%
- Tests/Quizzes 25%
- Blog 10%

Grading Policies

Make-up work As a Result of Absence from School

When a student is absent, it will be the student's responsibility to contact each teacher the day he/she returns to school to arrange for a make-up time. The length of time to complete the missed work will be one day for each day absent. Teachers will coordinate with the student an appropriate time and pass for make-up assignments and class work. If a student missed school on the date of an exam, test, or project, the student is expected to make up the assessment on the day they return to school, unless material covered during the absence is being assessed.

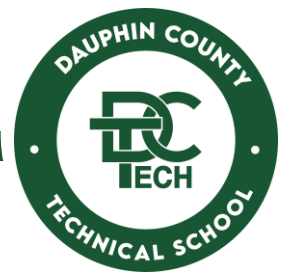
Late Work

All assignments are closed on their due date/time and late work will NOT be accepted.

Academic Integrity

Cheating is defined as the use of unauthorized resources in the completion of formal, informal, minor, major, formative, or subjective assessments or assignments. Plagiarism is defined as the presentation of another's intellectual material as one's own. As such, the following is not permitted:

- Using cheat sheets or crib notes during tests or quizzes.*
- Copying tests or quiz answers or homework.*
- Passing answers, questions, or test information to other students.*
- Submitting unoriginal written work such as previously written term papers or book reports.*
- Helping a fellow student to do any of the above*



Consequences of academic dishonesty are as follows:

- A "0" (ZERO) will be given that particular assignment.
- Completion of alternate assignment is up to instructor discretion.
- Notification of parent(s)/guardian(s).
- Appropriate disciplinary consequences (possible suspension).

NOCTI Assessment

All eligible seniors completing the program are required by the state of Pennsylvania to take a National Occupational Competency Testing Institute (NOCTI) exam related to their program or study. NOCTI provides occupational competency assessments required by the PA Department of Education (PDE) to measure and evaluate a student's competency in their technical program. Students must take both the written and performance sections.

Classroom Behavior Expectations

Students must adhere to the discipline section of the *DCTS 2023-2024 Student Handbook*. If students violate any of the policies, the interventions listed below, will be used. Note: offenses of a serious nature will be handled in cooperation with the administration immediately.

- First offense – Warning
- Second offense - Phone call or email home and/or referral to a school counselor
- Third and Subsequent Offenses - Referral to administration

Student Responsibilities in Mr. Choate's Classroom

- Be Respectful: Respect should be given at all times to teachers, fellow students, and equipment used in the classroom.
- Be Responsible: Students will be expected to know when projects/assignments are due, be on time to class, and be responsible for their actions.
- Be Receptive: Strive to understand how ideas, methods, tasks, etc. might be of value prior to passing judgment and be open to constructive criticism.
- Be Professional: Professionalism must be displayed at all times including but not limited to: language, dress, behavior, communication.

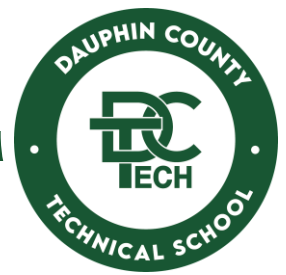
Guidelines for Student Dress

There are unique safety issues that are present in our school. Refer to the student handbook for the detailed student dress code. Below are some general guidelines for our school and this course:

- Well-fitted jeans/khakis without holes or rips.
- DCTS shirt.
- Hats or hoods should not be worn.
- Appropriate footwear.

Student Organizations

Students should join Skills USA as part of their leadership and skill development. Students are encouraged to explore and join one or more Career Technical Student Organizations relevant to the field of Web Design and Development.



Electronic Devices

Cell phones are not permitted unless specifically granted permission by Mr. Choate. Use of cell phones during class will result in an immediate "0" ZERO participation grade for the day.

Acknowledgement

By signing below, you acknowledge having read and understand the *Web Design & Development* syllabus. Parents/guardians and students will be notified if any changes need to be made to the course policies. If you have additional questions and/or comments you may call the school at (717) 652-3170 to speak with the teacher or email Mr. Joshua Choate at jchoate@dcts.org

Parent/Guardian Signature

Date

Student Signature

Date
