Course Title: Web Development
Term and Year: 2022-2023   **Room #: A319**
Teacher: Ms. Jazmyne Mangham
Office Hours (Tutorial): 1:20-2:10pm M-F and by appointment

Teacher Emails: jazmyne.mangham@drewcharterschool.org

Prerequisites (if applicable): N/A

Required Text(s): N/A

Additional Resources: We will provide all required resources for this course outside of normal school supplies.

Course Goals and Objectives: *Students taking this course will learn to:*

1. Demonstrate employability skills required by business and industry.
2. Develop a web page using Hypertext Markup Language (HTML) and Cascading Style Sheet (CSS).
3. Apply concepts of JavaScript to web page development.
4. Create a single functional web page based on a design mockup and user requirements, perhaps a résumé (Client Side Languages).
5. Explain the components needed to develop a dynamic website (Web Development Stack).
6. Use a server side language to build a multi-page website incorporating a web form, at least two templates with shared portions, and a data-driven home page (Server Side Languages).
7. Utilize on-page Search Engine Optimization (SEO) throughout a website.
8. Apply concepts involved in the software development life cycle (SDLC) as it pertains to web development.
9. Ensure websites meet all special considerations and are in compliance with industry and government regulations.
10. Examine how related student organizations are integral parts of career and technology education courses through leadership development, school and community service projects and competitive events.

Learning Outcomes	Knowledge and Thinking – 40%
and Weights:	Written Communication – 20%
	Oral Communication – 10%
	Agency – 10%
	Collaboration – 10%

Knowledge and Thinking

The ability to reason, problem-solve, develop sound arguments or decisions, and create new ideas by using appropriate sources and applying the knowledge and skills of a discipline

Written Communication
The ability to effectively communicate knowledge and thinking through writing by organizing and structuring ideas and using discipline appropriate language and conventions

Agency
The ability to develop and reflect on a growth mindset as well as demonstrate ownership over one's learning

Collaboration
The ability to be a productive member of diverse teams through strong interpersonal communication, a commitment to shared success, leadership and initiative

Oral Communication
The ability to communicate knowledge and thinking through effective oral presentations

Grading Scale:

A	90 – 100	C	70 – 79
B	80 – 89	F	below 70

Assessment Types: You will be assessed on your project work mainly. Projects will be broken down into smaller chunks for manageability. Each chunk will be assessed separately. Additional assessments will include warm up activities, quizzes, tests, design journaling, and written assessments, and drawings.

Course Changes: The course syllabus provides a general plan for this course. The teacher reserves the right to make changes to the syllabus, including changes to assignments, projects, case studies, examinations, and so forth, in order to accommodate the needs of the class as a whole and to fulfill the goals of the course.

Project/Unit Calendar: This is a year-long course. The following subjects will be covered:
I. Coding Languages
II. Web Design
III. Web Development
IV. Design and Development Implementation

Course Materials and Grading: You can expect to access the course materials and grades via Google Classroom. Students should check Google Classroom regularly, as course changes will always be announced and recorded on the course Google Classroom site.

Communication I want to have face-to-face conversations with you, when possible. However, we may need to communicate via other channels.

It is requested that each student and parent join this course's Remind101 Account. Add yourself by texting: @ecge9k to 81010.
I prefer that you contact me via Remind101 for most situations. Expect me to respond within 48 hours to your message if I am unable to respond immediately. Please make sure you include your name/your child's name when you contact me. Communications received after 4 pm usually will be returned by the next day. On the weekend or when I am away from campus (i.e., at a conference), my response is irregular.

Learning Outcomes and Assessments

Some examples of learning outcome assessments are listed below:

Learning Outcomes	Assessment Tools
● Knowledge and Thinking	● Quizzes and tests in Google Classroom or Mastery Connect
● Written Communication	● Short answer responses and research notes in G Suite
● Oral Communication	● Presentations, One on one discussions, Group and class share outs
● Collaboration	● PBL Group project rubric
● Agency	● Graded Rubric

Senior Academy Norms: You are expected to adhere to the Norms at all times during this course.
1) **Honor Trust**
2) **Show Respect**
3) **Act Responsibly**
4) **Present Professionally**

For more specific information please refer to the Senior Academy Student and Parent Handbook. All students are expected to adhere to the guidelines set forth in the Senior Academy Student and Parent Handbook.

Attendance: Daily class activities and collaborative work time is crucial to your success in the class. If you are absent, it is your responsibility to turn in any homework or missed class assignments and make up any quiz or test before or after school within three days of your absence.

Late Assignments: Assignments that are handed in late will receive a point deduction. Any assignments turned in more than one week late will not be accepted at all.

Quizzes: Quizzes will be given without notice on an as needed basis to assess content knowledge and understanding. These quiz grades will fall under Knowledge and Thinking.

Pathway Course Overview: Pathway Courses at Drew Senior Academy allow students to explore and then specialize in areas of their interest. All students must take pathway courses, and Pathway coursework is a requirement for promotion and graduation. Expect Pathway courses to match or exceed core courses in rigor and workload. This rigor provides you the opportunity to gain a specialized skill from your consistent work throughout your Pathway. Pathway courses build upon each other, therefore it is a requirement that students take the pathway courses in order. A pathway completion is marked by three credits of a specific Pathway. Pathway completions are expected by college admissions experts. Students of Drew Senior Academy have the ability to specialize in multiple areas and to complete as many as four Pathways in addition to their core coursework.

If you are absent for whatever reason, you can visit our class site https://sites.google.com/drewcharterschools.org/computer-science to check for missing work, due dates, important information, and so much more. Please, utilize all of the resources that are available.

Detach and return to Class Friday Jul 29, 2022
Syllabus Acknowledgement

Student Acknowledgement:
I _____ have read and understand the expectations outlined within this syllabus.
_____   _____
Signature   **Date**

Parent Acknowledgement:
I _____ have read and understand the expectations for my child outlined within this syllabus.
_____   _____   _____
Signature   **email address**   **preferred contact number**