

Curriculum Development

Web Development Part I Draft Proposal

Description:

The Web Development Unit plan is a project based semester-long course designed for seniors. The students will learn the essentials of web development by building projects using HTML, CSS, JavaScript, shell scripting, version control software and online remote storage. The draft proposal refers to the introductory part of this course

Rationale:

The students who take the Web Development part 1 course are not new to programming. They took AP Computer Science Principles with block programming in 10th grade and then AP CSA using Java in their junior year. Due to a change in our school vertical planning, students will take Web Development in their senior year on the software track.

Placement of unit in the existing course

The Web Development part 1 will be dedicated to introducing/reviewing HTML, CSS and Javascript. This first part of the course will be followed by more complex projects that involve a Javascript library and industry tools such as version control software and Github. After semester 1, students will be expected to use their skills in the cybersecurity unit.