



Southmoreland School District Web Page & Mobile Apps Curriculum Overview

Web Page & Mobile Apps Overview:

This course covers various aspects of Web design using forms, cascading style sheets, DOM and java scripting. The design portion also focuses on the elements and the processes of combining text, graphics and/or multimedia for page-layout designs. Students will be using various applications and software packages to design and develop quality online documents and applications. Using Android phones, students will learn to design and create useful and fun phone applications.

Module Titles:

Module 1: Digital Designs for Web Pages using image maps and forms

Module 2: Cascading Style Sheets

Module 3: Java Script and DOM (Document Object Model)

Module 4: Phone Applications

Module Overviews:

Module 1: Digital Designs for Web Pages using image maps and forms

In this module, students will learn how to create a webpage using Photoshop or similar programs. They will read, analyze, and determine how to break their webpage up to link to other pages with forms. Finally, they will apply their knowledge by creating a professional looking webpage.

Module 2: Cascading Style Sheets

In this module, students will learn to use Cascading Style Sheets (CSS) and use it to style their web pages. They will read, analyze, and determine the benefits of styling with CSS. Finally, they will use CSS to create several styled web pages of their own.

Module 3: Java Script and DOM (Document Object Model)

In this module, Students learn about the <script> tag, and how it can be used to write JavaScript code in their HTML files. Students are also introduced to useful JavaScript methods that can be used to alter the state of the CSS and HTML of a webpage and how the Document Object Model supports the ability to make such changes.



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Module 4: Phone Applications

In this module, students modify and run programs in the browser using an online editor. Students will be able to modify text-based programs in JavaScript and XML using the React Native framework or similar programs. Students will run their apps directly on the CodeHS platform or similar programs as well as their own personal mobile devices with Expo.