10 Hour Project: Lesson Plan

*Relevance for me: I have struggled the past two years trying to figure out how to teach HTML coding to high school students. It is a VERY complex concept and I knew that my students did not understand. I have made it my priority to re-do my curriculum for HTML for my Web Page Design class. I have spent in excess of 10 hours creating these PowerPoint presentations for next year and creating each webpage shown in the PowerPoint presentations. It is important to me that my students understand the concepts. I have also decided NOT to teach tables, frames, and image mapping as I have realized that these concepts are far too advanced for my students.

Objective: Students will learn how to use their prior knowledge of HTML coding in order to create webpages using the <div> tags and CSS styling.

Prior knowledge: Students will have already been able to code a simple webpage using HTML tags. They will know what HTML tags are, how to use them, and how to fix their errors.

Relevance: Students will need to know how to setup their webpages and how to visually use the space on the webpage. They will need to be able to grasp ideas such a spatial design and space management.

The concepts of <div> tags and CSS styling are broken down into 4 weeks:

Week #1: Basics of <div> tags

Week #2: Containers

Week #3: Formatting

Week #4: Hyperlinks

Each week, the students will learn the new concept by classroom activities, warmups, and think pair shares. The teacher will use the following method : "I do", "We do", "You do," meaning that the teacher will demonstrate the webpage, the teacher will demonstrate how to create the webpage and have the students follow along and complete the website as well, and then the students will be given a project to complete to demonstrate their understanding of the week's topic.

Ideally, the "I do" and "We do" process will take two days and then the students will have three days to complete their projects ("You do").

***NOTE: Please see attached Powerpoint presentations for reference.**