



Website Design Project

Assignment Overview:

Web design combines artistic, creative vision with technical knowledge to produce informative, appealing, and easy to use web sites. This year-long assignment will allow students to explore strategies to effectively communicate (using the internet) their ideas, current projects, and information about their STEM curriculum. Students will learn about site layout and content and will become proficient using web development languages and graphical user interface tools to achieve their design objectives. The curriculum and instruction of this course may be differentiated to include accelerated pacing and extension and/or challenge activities.

Assignment Details:

Students must have, at a minimum, the following pages on their website:

1. *Current STEM projects:* Each PBL must have a paragraph description, minimum of 2 pictures of your group working during the PBL or final products of PBL (teachers can help here if students do not have cameras), any rubrics, assignment details, PowerPoints/Prezi's, etc. attached as files (these will be available for students to download, with step-by-step instructions on how to do so) and will be PBL specific as each PBL is introduced. Ideally, each PBL would be a separate subpage. **This will be graded on the date that each PBL is due.**
2. *A MATH page that will include the various subpages:*
 - a. *Mathematician of the month:* Students will highlight a mathematician of their choosing with a minimum of one paragraph describing their contribution to the math field and one picture. **This will be graded on the last day of every month.**
 - b. *Unit Summary/Overview Multimedia Presentation:* For each unit in math, students will create a multimedia presentation that will be considered a review or summary of the entire unit. Students may choose to do this in the form of a PowerPoint, Prezi, etc. and should include a minimum of 1 link to a helpful website, 1 link to a site or PDF of practice problems, as well as including the standard. Specific requirements for each individual unit presentation will be given out at the beginning of the unit. **This will be graded on the last day of each unit.**
 - c. *Links to math challenges and puzzles:* Students should find one interactive website or one fun challenge or puzzle (either online or paper that we can upload) per month that corresponds with the standard. **This will be graded on the last day of every month.**

3. A *SCIENCE* page that will include the various subpages:
 - a. *Scientist of the month*: Students will highlight a scientist of a specific field (fields will be given out at the beginning of the month....ie: October will be an Astronomer) of their choosing with a detailed biography (this can be in the form of a Prezi, PowerPoint, essay, etc.) describing their contribution to the science field and minimum of one picture. **This will be graded on the last day of every month.**
4. A *TECHNOLOGY & ENGINEERING* page that will include the various subpages:
 - a. *Technological advancement of the month*: Students will highlight one new (created within the past year) technological advancement (from any field) with a minimum of one paragraph and one picture. **This will be graded on the last day of every month.**
 - b. *Engineer of the month*: Students will highlight an engineer of their choosing with a minimum of one paragraph and one picture. **This will be graded on the last day of every month.**
5. *Two additional pages of your choosing*: Students will create 2 additional pages of their choosing, such as “All about me” page, “Meet the Teachers” page, “STEM in the news”, etc. These two additional pages must be verified with Dr. Csukas, Mrs. Mau, Ms. Clinton, or Mr. Garrido before creation.

The **HOME** page should consist of the website title (ie: “My STEM Website”), a minimum of 3 pictures related to STEM and a description of what STEM is and means to you.

This assignment is designed to help students create a “portfolio” to showcase their work while also providing materials for reinforcement of lessons, as well as review. While many assignments will be graded at the end of the month, students will be working on these assignments over the entire month as a portion of their Engineering and Technology class time.

Thanks and enjoy designing your very own website!

Ms. Clinton
Mrs. Mau
Dr. Csukas
Mr. Garrido