

Lesson 19: Planning a Multi-Page Site

90 minutes

Overview

Students work in teams to plan out their websites and create a sketch of each page. They then download the media that they will need for their sites. At the end of the activity, they decide how the work will be distributed among team members and report whether the entire group agreed to the plan.

Question of the Day: How do we plan a web page as a group?

Standards

Full Course Alignment

CSTA K-12 Computer Science Standards (2017)

- ▶ **AP** - Algorithms & Programming
- ▶ **IC** - Impacts of Computing

Agenda

Warm Up (5 minutes)

Activity (80 minutes)

Overview

Design Your Site

Describe Your Tag and Class Styles

Work Plan

Find Your Images

Uploading images

Wrap Up (5 minutes)

Journal

Objectives

Students will be able to:

- Distribute tasks amongst team members.
- Seek and incorporate feedback from team members.

Preparation

- Check the "**Teacher's Lounge**" forum for verified teachers to find additional strategies or resources shared by fellow teachers
- If you are teaching virtually, consider checking our **Virtual Lesson Modifications**

Links

Heads Up! Please make a copy of any documents you plan to share with students.

For the teachers

- **Planning a Multi-Page Site** - Slides
▼ Make a Copy

For the students

- **Plan a Multi-Page Website**
▼ Make a Copy
- **Website for a Purpose** - Rubric
▼ Make a Copy
- **Website for a Purpose - Student Checklist** ▼ Make a Copy

Teaching Guide

Warm Up (5 minutes)

Prompt: Write down the top three fun features that you might like to add to your site.

Share: Allow students to share out some of their favorite features.

Discussion Goal: The goal of this discussion is to make sure that the various features that students have learned are top of mind when they begin to design their sites. Make sure students are mentioning the features that they have particularly enjoyed in the unit, and review the tags and css properties that create them.

Remarks

Today, you'll have a chance to design your websites in your teams. You'll get to work together to decide how all of these features can go into your sites.

Question of the Day: How do we plan a web page as a group?

Activity (80 minutes)

Group: Place students into project groups.

Distribute: Hand out the project guides, one for each group. Also hand out a rubric or student checklist for each group so they can self-assess and reflect throughout the project.

Overview

Review the project requirements with the students, emphasizing that part of the project is working together as a group.

Design Your Site

Teams should describe each page in the site, including its purpose. On separate sheets of paper, they should sketch out the various pages. This allows different team members to focus on different pages.

Teaching Tip

You may want to ask groups to run their sketches by you before moving on. Make sure that the pages all appear to be the same style, and that they include a way to navigate from one to another.

Describe Your Tag and Class Styles

Students should decide together how they would like all of the elements to be styled. They may want to refer back to the sketches in order to decide together.

Work Plan

Once the design is set, teams should decide how they will split up the work. There are multiple pages and a style sheet to consider. They should also consider how they will incorporate the different components into a single project.

Check to make sure that all of the students are in agreement about the plan.

Find Your Images

Once students have gotten your approval for their site designs and work plan, allow them to go online to find images for the site.

Uploading images

Once students have gotten their images, allow them to upload them into the project on Code Studio. Every student within each team should have an identical set of images with identical names.



Upload Your Images

Wrap Up (5 minutes)

Journal

Question of the Day: How do we plan a web page as a group?

Prompt: Describe a difference of opinion that members of your team had, and how you resolved it.

✓ Assessment Opportunity ▲

Check that student descriptions of the disagreement and resolution involve effective and collaborative strategies for working together.



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