

AP PHYSICS C

walkSTEM The Final Walk

Introduction

Through the design process for your service learning project, you have identified locations within the city that demonstrate physics principles. Recall that the goal of your walkSTEM is to inform the local public about the connection between “what they are seeing” and the “world of physics.”

You will now create virtual presentations that will be shared with the walkSTEM/talkSTEM organization and then made available to the public. This is the time to do your best work.

Consider the following structure of your walkSTEM

- Title card
- Stop #1
 - Set the scene: photo or video
 - Pose the question: annotate the photo or video
 - Answer the question: annotate the photo or video
- Stop #2
 - Set the scene: photo or video
 - Pose the question: annotate the photo or video
 - Answer the question: annotate the photo or video
- Stop #3
 - Set the scene: photo or video
 - Pose the question: annotate the photo or video
 - Answer the question: annotate the photo or video

Part 1: Curating Your Content

Collecting Your Assets

1. List the specific locations in your walkSTEM tour. Mr. Walters will design and create a map for your project.
2. Find two high-resolution images of each location. Save your images to your desktop.
3. Cite your sources. A weblink is fine.
4. Find one or two high-resolution/high-quality videos of your location. For example, if you are using the swings in Central Park, you need a video of **those swings** in action.
5. Use a Youtube Downloader (y2mate.com) to download your video to your desktop.

Writing Your Script

1. As you write your script, remember that short is better.
2. Write a separate script/description for each segment. Do not write one long script and record it.

3. Give your locations some context as well.

3. For example

- Set the scene: “This is the Pacific Wheel on the Santa Monica Pier. The Santa Monica Pier is one of the most iconic locations in California and is also the western terminus of Route 66.”
- Pose the question: “You will notice that the Pacific Wheel rotates at a constant angular velocity. Would the Pacific Wheel’s angular velocity change if there are more people on the Wheel, i.e., the Wheel’s mass was greater?”
- Answer the question: “The Wheel is designed to rotate at a specific angular velocity based on a minimum number of people on the ride. Having every car filled will not slow the wheel down.”

4. Try a test recording on your phone. Have someone listen to your test recording.

4. Be mindful of your tone. Your audio track should be conversational not monotone.

5. Be mindful of background noise. Record in a quiet place. Set up a [pillow fort](#) for your recording.

Part 2: Producing Your Video

You will use Adobe Spark/Video to produce your presentation/slideshow. A reminder that this is the time to do your best work.

SetUp

1. Open **Adobe Spark**.
2. Click **Create A Project** and name your project 20APCWalkSTEMLastNames.
3. Select **Video**.
3. Share your project with me (eric.walters@marymountnyc.org)

Creating Your Presentation

1. Use Title and Text for your first slide. Your title should be **walkSTEM** and sub-title **Location**.
2. For the second slide, use **Split Screen**. I will add your map to the slide. Add your voice-over/introduction here.
3. For each location in your walkSTEM tour, create an appropriate slide/slides that reflect: set the scene, pose the question, answer the question. Add the photo and/or video and supporting text (if necessary).
4. Add your voiceover. Remember: Do not simply read what is in your script and do not simply read what is on the slide. Would you want to watch and listen to that?
5. Make sure your audio is top quality. Be aware of background noises, “ums,” and stuttering. The best way to avoid this problem is to make sure your audio clips are short and to the point. The longer they are, the greater chance there is for a mistake.
6. Be mindful of your tone. Your audio track should be conversational not monotone.
7. Be mindful of background noise. Record in a quiet place. Set up a [pillow fort](#) for your recording.

8. Note: Under Music, toggle **Music On** to off.

Previewing and Sharing

1. Once you believe your presentation is your best work, preview it. Check for the way your presentation flows well, has good audio and video quality and is informative and interesting.
2. Have a peer “peer review” your presentation. Use the peer review questions as a guide.
3. Have a friend or family member “peer review” your presentation. Use the friend or family member questions as a guide.

Then

4. Download your project and preview it on your desktop. Again, check for the way your presentation flows well, has good audio and video quality and is informative and interesting.
5. When you believe you have your best work, email me. I will review your work and give you feedback. I will also add in your maps.

A copy of the assessment rubric will be provided separately.

Due Date: Tuesday, January 12, 2021