**Alternate Project**

For this year’s alternate project you (and 2 partners if you choose) will create a video in which you will teach a physics concept from this year’s physics course. The video should include:

* A title screen with your names, date and topic.
* An introduction to the concept being taught. You might want to introduce the topic with something catchy.
* A definition and explanation of the concept. This should be displayed in the video. A good explanation means that someone watching the video would be able to understand the concept even if they knew nothing about it previously.
* All partners must be equally visible in the video and it must be original material.
* Video must contain at least 2 examples of real world applications of the concept.
* There must be a demonstration of the concept done by you.
* Video should be 3-5 minutes long.
* No dangerous stunts allowed. Demonstrations must be approved by teacher before recording.
* Video can have many formats – it can be a story where the physics elements are incorporated; it can be humorous; it can be documentary or news style. Include the style you choose in the proposal.

**To be handed in:**

1. A proposal including the topic you will be teaching and a script outline for the video including a description of what the demonstration will be. **(Due: Dec. 4th, 2017)**

2. The video is to be emailed to me or handed in on a flash drive. **(Due: March 9th, 2018)**

**Examples:**

<https://www.youtube.com/watch?v=NfnzOvSSYe0>

<https://www.youtube.com/watch?v=Nik4MV9GpJo>

**Proposal – Video Project [10]**

Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Topic of Video [1]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Style of Video [1]: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Outline of how video will be organized: [4]

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Demonstration Description: [4]

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**Rubric**

**1.** **Title Screen [5]**

 0 – no title screen

 2.5 – title screen included but does not contain all required information

 5 – title screen included with required information (names, date, topic)

**2. Concept Introduction [10]**

 0 – no introduction to the concept

 5 – concept is introduced with no context or background

 10 – concept is introduced in a dynamic way

**3. Concept Definition/Explanation [25]**

 0 – no attempt is made to define or explain the concept

 5 – concept is defined but not explained

 10 – concept is defined and explained with errors

 15 – satisfactory concept definition/explanation

 20 – good concept definition/explanation

 25 - excellent concept definition/explanation

**4. All partners involved equally in video [10]**

**5. At least 2 real world examples [10]**

 0 – no reference to real world examples

 5 – one appropriate example pictured and discussed in video

 10 – two appropriate examples pictured and discussed in video

**6. Demonstration included [20]**

 0 – no demonstration of concept

 5 – poor demonstration of concept

 10 – satisfactory demonstration of concept

 15 – good demonstration of concept

 20 – excellent demonstration of concept

**7. Organization and flow of video [10]**

 0 – video has no logical sequence or storyline

 5 – video contains all components, but lacks organization

 10 – video is organized into a logical sequence or storyline and contains all components

**8. Proposal [10]**