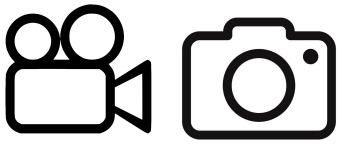
AP Physics 2 Summer Assignment



Welcome to AP Physics 2! We'll be starting off the year with a photo/video project. On the first day of school, each student will need to present their photo/video to the class. Below are the guidelines, expectations, and rubric.

The AP Physics 1 curriculum focused on the foundation of mechanics. You have studied the following units:

1D Kinematics	2D Kinematics	Dynamics	Uniform Circular Motion	Gravitation
Work and Energy	Impulse and Momentum	Rotational Kinematics	Rotational Dynamics	Simple Harmonic Motion

Your task is to take an original photo or video that demonstrates one (or more) of the above units of study. You need to think outside of the box as you plan to take an engaging photo/video. Creativity/Uniqueness is required and will be considered after all assignments have been presented. Duplicate and/or uninspired photos/videos will not receive full marks. The submission of your photo/video should be supplemented with a paragraph-length explanation composed of a minimum of 250 words. Your presentation will consist of sharing your photo/video to the class on the projector and you explaining key aspects of the physics, as addressed in your paragraph. Your paragraph should not be read verbatim off of a slide or notecard, but presented to myself and your classmates with enthusiasm and clarity. Use the rubric below to complete this assignment to ensure a successful start to the school year!

Submit your Photo/Video and accompanying paragraph to this GOOGLE FORM.

Category	Standard(s)	Points
Originality & Creativity	❏ Photo/Video is unique and creative ❏ No other students submitted the same or closely similar photo/video ❏ Photo/Video is not something easily searched for online	3 2 1 0 3 2 1 0 3 2 1 0
Quality	❏ Photo/Video is of high quality and high resolution ❏ Photo/Video is mostly unaltered (not photoshopped)	3 2 1 0 3 2 1 0
Photo Upload and Submission via Google Form	❏ Photo/Video was uploaded to the form on time (by 7:50am on the first day of school) ❏ Photo/Video upload is viewable and there is no need to request permission; student checked share settings prior to submitting ❏ Photo/Video upload is accompanied by a paragraph length explanation ❏ Student followed directions as outlined in the Google Form	3 2 1 0 3 2 1 0 3 2 1 0 3 2 1 0
Paragraph Length Explanation	❏ Paragraph is a minimum of 250 words ❏ Paragraph is logical, presenting the physics in a clear and coherent way ❏ There are no grammatical errors in the paragraph	3 2 1 0 3 2 1 0 3 2 1 0
Physics explained	❏ Paragraph's theme is evident and revolves around a big idea (or multiple) from the AP Physics 1 curriculum ❏ Physics explained is presented logically ❏ Physics explained is perfectly accurate ❏ No incorrect physics claims made in the paragraph	3 2 1 0 3 2 1 0 3 2 1 0 3 2 1 0
Presentation (Communication and Delivery)	❏ Presenter communicates clearly with a strong speaking voice. ❏ Presenter speaks with fluctuation in volume and inflection to maintain audience interest and to emphasize key points. ❏ Speaker appears comfortable and confident. ❏ Presenter has practiced, so presentation is smooth ❏ Presenter is not reading off a paragraph or notes. The only aid is the photo/video on the projector behind the presenter.	3 2 1 0 3 2 1 0 3 2 1 0 3 2 1 0 3 2 1 0