

PODCAST ASSIGNMENT / Kinematics & Dynamics

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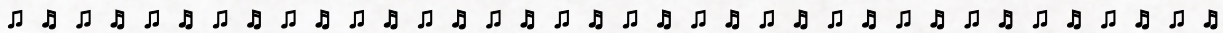
Total Marks: out of 21

Names:

Grade: (marks ÷ 3)

↑ Your name

↑ Your team members name(s)



Podcasts have been around since the early 2000s, but only in 2005 was it given the name podcast, as it was seen as a broadcast on your iPod. Podcasts are now widely available on a range of topics. Only recently, subject teachers started to see the benefits of creating podcast to enhance learning and understanding of subject matter.



In this assignment you will create a podcast on one of the two given titles (below). Creating a podcast requires careful planning, a good understanding of the podcasting software and a thorough understanding of the subject matter. All in all, a perfect way to show your knowledge and understanding on this topic!

For this assignment we will make use of GarageBand, podcasting software that comes standard with your MacBooks. On the Physics wiki, you will find several links and guides on how to create podcasts within GarageBand, like: <http://www.makeuseof.com/tag/how-to-create-broadcast-a-podcast-with-garageband/>

For now, let's get started!

Oh yeah... How will this Pod cast contribute to your Physics Grade on your report card?

Your grade will be calculated using the different assessments this semester. Your pod cast grade can be added to your list of grades, or you can replace your Take Home Test grade by your Pod cast Grade. It's as simple as that!



1. Measurement Test (38%), 2. Design Experiment (12%), 3. Angler's Problem (12%)

4a. Take Home Test on Kinematics and Dynamics (38%) and/or choose from the following pod cast titles:

4b. The Dynamics Pod cast: Newton's Three Laws (2 to 3 students):

Guiding Question: How do Newton's Three Laws of Motion apply to our daily lives?

4c. The Kinematics Pod cast: Acceleration due to Gravity (2 to 3 students)

Guiding Question: What are the kinematics equations and how can they be used in every day life?



The 21-marks Science-Podcast Marking Rubric*

Content 🎵

- Content is planned and logically organized
- Content clearly answers the guiding question
- Content is substantial and/or accurate
- Written using own words
- Physics related vocabulary enhances content
- Examples are effective & clearly relate to content

Presentation 🎵

- Well-rehearsed and smooth delivery
- Effective enunciation, expression and rhythm
- It is presented in a creative and/or original way
- Voice and/or sound effects enhance presentation
- The intro is catchy & provides relevant info
- The presentation caters to the target audience

Enhancements 🎵

- Image(s) truly enhance(s) the quality and understanding of the presentation
- Effective use of music and/or sound effects

Technical 🎵

- Transitions are smooth, spaced correctly, and without dead space
- No unwanted ambient noise
- The duration is between 3 and 5 minutes
- The pod cast was produced in a proper file format

Sources 🎵

- Sources are well researched and cited correctly

Collaboration 🎵

- All group members had a role in the production
- Group members worked collaboratively

*Your pod cast grade (out of 7) can be found by adding all the marks, dividing them by seven and rounding to the nearest integer