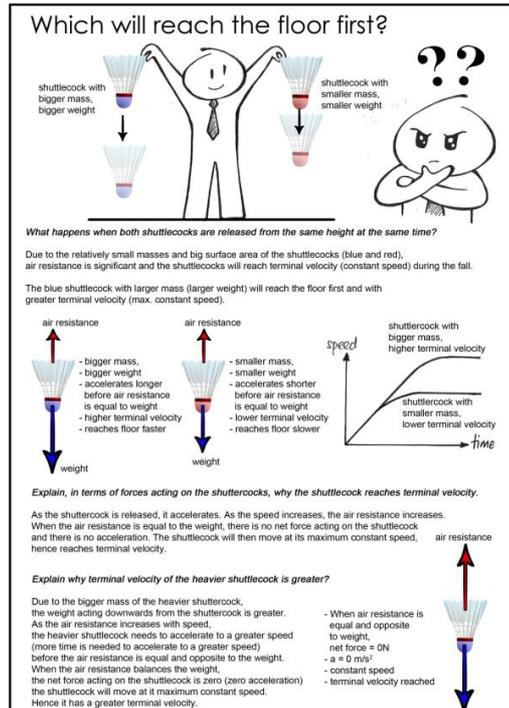
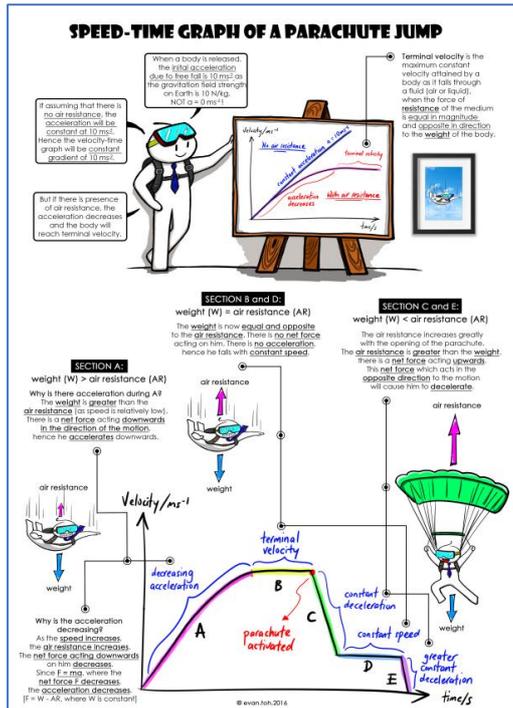


2020 Sec 3 WA2 Assignment

Students are to create a poster that explains a real-life phenomenon using Kinematics and/or Dynamics concepts.

Some examples:

<https://evantoh23.wordpress.com/category/02-kinematics/>



Guidelines to students:

Select a scenario and enter it on the form (link provided by your teacher) by 24 April. **Your teacher must confirm the topic before you proceed.** This is to ensure that your chosen scenario is not too complex or simple, and the posters created by the class should provide a good coverage of the two topics.

Your poster should include:

- Detailed analysis of the motion/phenomenon
- Text to explain concepts
- Diagrams and/or graphs with detailed captions
- Photographs (if applicable) with detailed captions
- Equations (if applicable) with notations explained
- References cited in the correct format (you can refer to <https://www.citationmachine.net/apa/cite-a-journal>)

All materials must be self-created (not taken from internet/books etc). You should draw or sketch the diagrams and graphs and use photos that you took. The text should be written in your own words as much as possible.

All final entries to be submitted to the **Google Classroom** as a PDF file. Your file should be named as:

CLASS_INDEXNUMBER_NAME_TOPIC
e.g. 303_01_Lydia_Tan_Siqi_Acceleration.pdf

FINAL POSTER SUBMISSION DUE DATE: Friday, 8 May 2020

Marking Rubrics

		3	2	1	0
Suitability of The Scenario Chosen	3	Scenario chosen is interesting and appropriate and allows for excellent exploration of the physics concept(s)	Scenario chosen is interesting and appropriate and allows for exploration of the physics concept(s)	Scenario is fairly interesting and fairly appropriate. Allows only limited exploration of physics concept(s)	Scenario is somewhat not relevant. Allows very limited exploration of physics concept(s)
Clarity of Explanation	3	Written explanations are clear and logical	Written explanations are mostly clear and logical.	Written explanations lack clarity. Some small misconceptions present.	Written explanations are confusing and may reflect some misconceptions
Depth of Explanation	3	Extremely comprehensive coverage including all main concepts taught	Comprehensive coverage including nearly all main concepts taught	Many of the main concepts taught were covered but only superficially	Coverage of concepts was limited and lacking in depth
Accurate Scientific Terms and Grammar	3	Scientific terms are accurate and there are no/ very minor grammatical errors	Scientific terms are generally accurate and there are very minor grammatical errors	Some scientific terms are inaccurate and there are some grammatical errors	Inaccurate scientific terms and there are several grammatical errors
Appropriate Use of Diagrams/ Graphs/ Tables/ Photos/ Equations	3	A variety of original diagrams/ graphs/ tables/ photos/ equations were used effectively enhance the explanation	Some original diagrams/ graphs/ tables/ photos/ equations were used to enhance the explanation	Limited original diagrams/ graphs/ tables/ photos/ equations were used to enhance the explanation	Lack of diagrams or poor-quality diagrams/ graphs/ tables/ photos/ equations used
Layout and Formatting	3	Presents all information in an organised and neat format that is easy for reader to follow	Presents most of the information in an organised and neat format. There are some bits that are a little messy	Presents some of the information in an organised and neat format. There are quite a lot of messy bits	Information is mostly not organised
References	2		All references are properly cited. Most of the content is original.	Some errors in citation of the references (e.g. format). More than half of the content is original.	References are not cited or most of the work is replicated.
TOTAL:	20				

Penalties:

1. File not submitted in .pdf format: **deduction of 1 mark**
2. File submitted **after the deadline** (Friday, 8 May):
 - within **3 calendar days** (9-11 May) - **deduction of 20%** of your mark, and
 - after **11 May** - **no mark** will be awarded