

(I) Objective(s) of the WA2 (Skills, Knowledge, Attitude or Ethics)

- Access students' ability to explain the topic via their creation of an infographic.
- Access students' ability to identify the key concepts of each topic.
- Access students' ability to be effective in their use of images and pictures in the infographic.

(II) The Task

What students need to do/show in the task (process/product):

- Create an **infographic*** that summarizes one Secondary 4 topic: Refraction, Lenses, EM Spectrum, General Wave Properties, Sound, Static Electricity, Current Electricity, DC Circuits or Practical Electricity.
- *An infographic (information graphic) is a representation of information in a graphic format designed to make the data easily understandable at a glance.

Scope / Parameters

What are the requirements:

- Deadline:
 - Submission for draft by **29 Apr 2020, 2359 hrs.**
 - Draft: brief outline of poster (without images)
 - Teachers will provide feedback on your progress.
 - Submission of final poster – **8 May 2020, 2359 hrs.**
 - Penalty for late submission, 20% marks deduction for submission within 3 calendar days late, no marks awarded if submission if after 11 May (3 calendar days).
- Materials to be submitted: E-poster of infographic to be placed on Google Classroom or in the Google drive folder created by the teachers.
 - Format: pdf only
 - Number of pages: maximum 2 pages (readable when printed on A4)
- What it must not have: The infographic must be created from scratch, including all images. Failure to reference anything found from the internet will result in the deduction of marks.

(III) Guidelines for students

- Look at the rubrics and conceptualise an initial idea of the info-graphic.
- Plan the layout of the poster.
- Ensure the poster complies with the rubrics.
- Reference ideas using APA format. Refer to <https://www.citationmachine.net/apa>

(IV) Criteria of judgment (consider objectives, parameters)

Quality of Infographic (4 marks)

Key Concepts (2 marks)

Infographic contains all the key concepts of the topic	
C (0)	• Some key concepts of the topic included.
B (1)	• Most key concepts of the topic included.
A (2)	• All key concepts of the topic included.

Aesthetics (2 marks)

Based on how much consideration for aesthetics and detail in constructing infographic using the following traits:	
<ul style="list-style-type: none"> • Reasonable spatial proportion • Use of images and pictures • Well decorated 	
C (0)	No or little consideration: Infographic seem to be haphazardly constructed together
B (1)	Good consideration: At least 2 traits present
A (2)	Excellent consideration: All traits present

Quality of Concepts (6 marks)

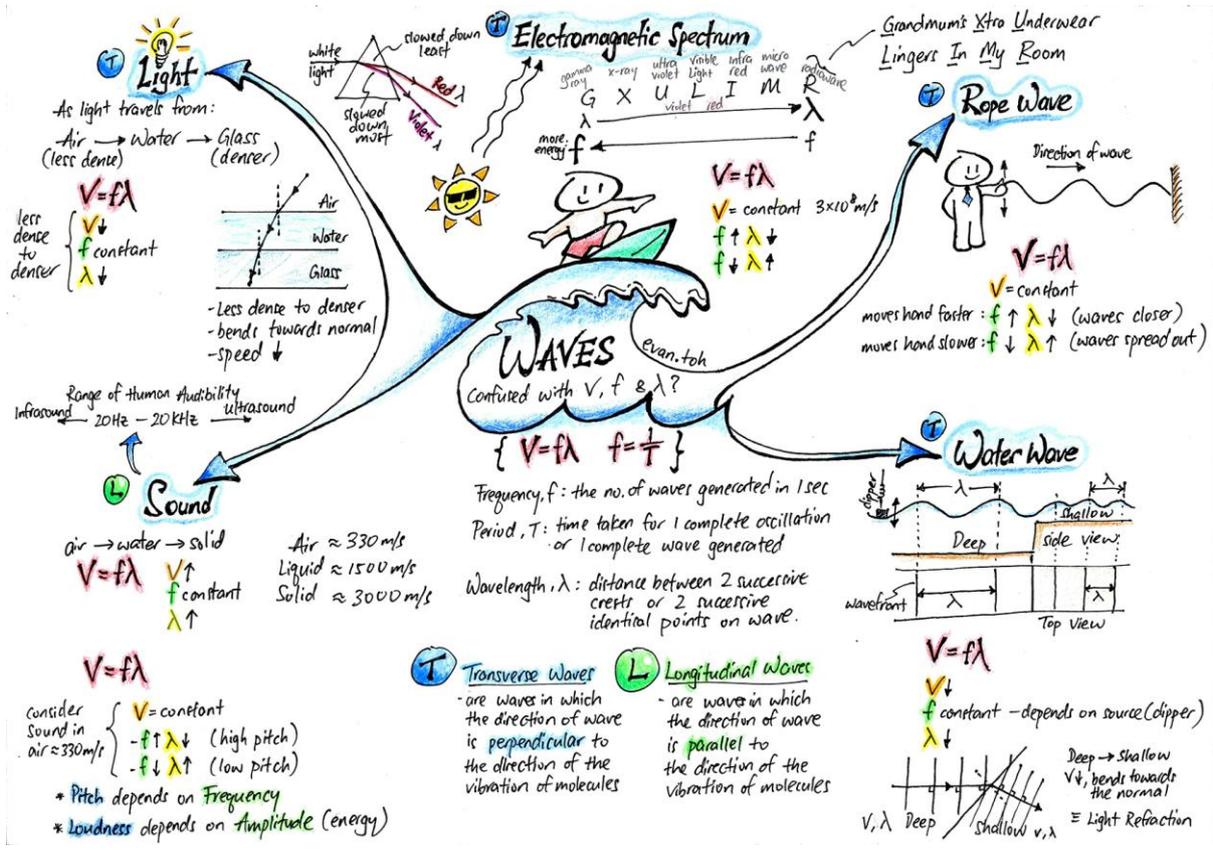
Real World Application (2 marks)

Infographic contains examples that have real world applications.	
C (0)	Examples are absent / slipshod, Little / no explanation
B (1)	Examples are explained with some degree of accuracy
A (2)	Examples are explained accurately and thoroughly

Concept Justification (4 marks)

Based on how well the infographic justifies the concepts in terms of:	
<ul style="list-style-type: none"> • Scientific accuracy • Numerical accuracy 	
C (0)	<ul style="list-style-type: none"> • Some concepts are scientifically accurate. • Some formulas are correct with correct units included.
B (1 - 3)	<ul style="list-style-type: none"> • Most concepts are scientifically accurate. • Most formulas are correct with correct units included.
A (4)	<ul style="list-style-type: none"> • All concepts are scientifically accurate. • All formulas are correct with correct units included.

Example of an Infographic



<https://evantoh23.wordpress.com/2015/09/12/waves-summary-amended/>