

How do choice boards work? First read all the options and pick 4 to complete. This is because some might take longer to do than others, you must work on this about 30 minutes a day. During this time, you should be able to complete 4 options! You must submit at least **2** by the end of the day on Wednesday as a check mark! Please submit all work **no later than Friday Evening**, and let us know if you have any questions. Please spell out your full name (first and last) when doing your assignments. **You must pick AT LEAST ONE OF THE * asterisk choices!**

***Option 1 –Nearpod Site:** <https://nearpod.com/login/?oc=LogInTopNav>

<https://share.nearpod.com/vsph/8GAuHRTeMu> CODE: **GJCSO**

Option 2- FlipGrid:

Link: <https://flipgrid.com/f1732347>

Option 3- EdPuzzle:

Link: <https://edpuzzle.com/assignments/5eab3183d66ed73f2f135617/watch>

Link for public view – must send copy to teacher

<https://edpuzzle.com/media/5eab317fd66ed73f2f13551c>

***Option 4- Graphic Organizer**

Create a Venn Diagram or a different type of graphic organizer (look below in the link for options!), comparing and contrasting the difference between electromagnetic waves and mechanical waves. I would only look at the Venn Diagram or the Double Bubble Map...however please feel free to do what you find easiest. I need anywhere between 7-12 examples, terms, pictures, etc. in each section!

Bubble- <https://www.studenthandouts.com/graphic-organizers/relationships/venn-diagram-compare-contrast-chart-bubble-map-graphic-organizer.htm>

Venn- <https://www.studenthandouts.com/graphic-organizers/relationships/blank-venn-diagram-printables-with-instructions.html>

Top Hat- <https://www.education.com/worksheet/article/top-hat-graphic-organizer/>

How A Like -

http://www.readwritethink.org/files/resources/lesson_images/lesson275/compcn_chart.pdf

Other- <https://www.worksheetworks.com/miscellanea/graphic-organizers.html>

Option 5 – Kahoot Game

Link- https://kahoot.it/challenge/0499951?challenge-id=2980f282-fb45-42ed-8a8d-867a5f8f3d12_1588429344916

Or type in code: **0499951**

Option 6 – Newsela Article & Write Up - Read the article, write a paragraph (complete sentences about what you learned), and then email it to your teacher.

https://newsela-media.s3.amazonaws.com/pdfs/lib-wave-behaviors-56251-article_only.pdf?AWSAccessKeyId=AKIAIOXSRXVQ3RGAX2FA&Signature=ZKIkCA1L0017cCTYcM%2BD2PObn%2BA%3D&Expires=1588267023

Option 7 – Video & Write Up - Watch the video, write a paragraph (complete sentences about what you learned), and then email it to your teacher.

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

***Option 8 – Create your own Kahoot/Quizizz/non online game**

When creating it you are basing one on the standard that was just learned: (Must have anywhere between 10-25 questions)

Obtain, evaluate, and communicate information to support the claim that electromagnetic (light) waves behave differently than mechanical (sound) waves.

How to create a Kahoot – Video Tutorial - <https://youtu.be/KJgZZQcsSPk>

How to create a Quizizz – Video Tutorial - https://youtu.be/9Z98BE_GZkk

Here is the FULL standard we are reviewing this week:

S8P4. Obtain, evaluate, and communicate information to support the claim that electromagnetic (light) waves behave differently than mechanical (sound) waves.

- a. Ask questions to develop explanations about the similarities and differences between electromagnetic and mechanical waves.
- b. Construct an explanation using data to illustrate the relationship between the electromagnetic spectrum and energy.
- c. Design a device to illustrate practical applications of the electromagnetic spectrum (e.g., communication, medical, military). d. Develop and use a model to compare and contrast how light and sound waves are reflected, refracted, absorbed, diffracted or transmitted through various materials.
- e. Analyze and interpret data to predict patterns in the relationship between density of media and wave behavior (i.e., speed).
- f. Develop and use a model (e.g., simulations, graphs, illustrations) to predict and describe the relationships between wave properties (e.g., frequency, amplitude, and wavelength) and energy.

g. Develop and use models to demonstrate the effects that lenses have on light (i.e., formation an image) and their possible technological applications.