

AP Physics 2 Summer Assignment

There is plenty of research out there that states the importance of keeping your brain active over the summer. In that spirit, I would like for you to explore current topics in science, technology, engineering, and mathematics and write a response to each. Detailed instructions are below.

The Assignment:

- You will find six articles throughout the course of the summer, two for each month that we are away from school. Two articles should be published in June, two should be published in July, and two should be published in August.
- You may get your articles from any online or print source but they must be cited appropriately according to the guidelines below. You do not need to provide a hard copy of the article.
- For each article read, please respond to the following prompts. Give each question or prompt a clear and coherent paragraph-length response.
 - Give a summary of the article (important information and points).
 - How does this article relate to topics you have already studied in physics? Give specific examples.
 - Describe three things you learned from the article.
 - Describe two things you found interesting in the article that you want to learn more about.
 - Craft a question that would start a class discussion on this topic. Be sure to include why you think this question would lead to a good discussion.

Possible Sources:

This list is not exhaustive, just suggestive!

- Science News: Magazine of the Society for Science and the Public (<https://www.sciencenews.org/>)
- Live Science (<https://www.livescience.com/news>)
- Science @ Nasa (<https://science.nasa.gov/science-news>)
- Popular Science (<https://www.popsci.com/>)
- The New York Times (<https://www.nytimes.com/topic/subject/science-and-technology>)
- BBC News (https://www.bbc.com/news/science_and_environment)

Citations:

Please follow the guidelines below for citing your articles.

For an online source:

Author Last Name, First Name. "Article Title." *Title of Web Resource*, Publisher Name, Publication Date, URL, Access Date.

Example:

Morelle, Rebecca. "Mariana Trench: Deepest-ever sub dive finds plastic bag." *BBC News*, BBC, 13 May 2019, <https://www.bbc.com/news/science-environment-48230157>, 15 May 2019.

For a newspaper:

Author Last Name, First Name. "Article Title." *Name of Newspaper*, Publication Date, Section and Page #.

Example:

Brubaker, Bill. "New Health Center Targets County's Uninsured Patients." *Washington Post*, 24 May 2007, p. LZ01.

For a magazine:

Author(s). "Title of Article." *Title of Periodical*, Day Month Year, pages.

Example:

Warmflash, David. "The Period Table Turns 150: Is the Best Yet to Come?" *Chem Matters*, March 2019, p. 11.

For more citation information, please visit The Purdue University Online Writing Lab (owl.purdue.edu) and follow the instructions for MLA citations of resources.

This assignment is due on the first day of school and will count as your first quiz grade.