

# **Science Research Summer Assignment 2024**

Instructor: Mr. Sean Mayer, [smayer@cornwallschools.com](mailto:smayer@cornwallschools.com)

Google Classroom Code: **ivbw6o4**

Welcome to CCHS Science Research! I am excited to begin working with you to help you develop into the next generation of science researchers. On Google Classroom there will be a plethora of resources for you to access should you be eager to start your journey now. Our goal is to hit the ground running at the start of the new school year, so the assignments detailed below should give you the foundation to begin working on your research on day one.

The following assignments will be due on DAY 1 of class, submitted to Google Classroom, in their proper format:

- At least 10 annotated articles (PDF): Read and annotate 10 scientific articles from a variety of sources. Annotations made should include highlighting important parts such as hypotheses, data, conclusions, etc., as well as questions and notes in free space on the article. A digital copy (PDF file) is required, and Kami is an excellent choice for annotating. Acceptable sources may include scientific journal papers, articles in reputable periodicals, or website articles from reputable sources, but must be at least 2 pages in length (if unsure, email me). Google Scholar and SciSpace are excellent methods for finding articles, alongside searching journals themselves (such as PLOSONe or Nature).
- 10 Summaries (PDF): Write a summary for each of the articles annotated. Summaries must be at most 1 page in length, and include proper writing conventions (introduction, data, conclusion, etc.). Be concise, precise, but detailed.
- 1 List of References (PDF): Make a list of references that includes the full APA citation for each article annotated and summarized. For help with APA citations, see Google Classroom's resources. (Note: you do NOT have to write the citations from scratch!)
- 1 Presentation (Google Slides): Make 1 presentation (Microsoft Powerpoint, Google Slides, pdf, etc.) using 1 of the above articles. This presentation should take a minimum of 3 minutes to present. **Expect to present your findings within the first week of class.**

The first two weeks of class will include presentations, exploring research questions and topics, and more, however it is ***not*** an expectation that you are a master of any of these topics. While presenting, we will be critiquing and adjusting presentation methods, so preparedness and honest effort are paramount. As such, spread out the assignments: scientific questions will arise in the strangest of times, so be sure to strike while the iron is hot.

Have a great summer and enjoy delving into your topics of interest!