

AP Research Summer Homework 2017-18

AP Research consists entire of a year-long research project. The purpose of your summer homework is to help you determine what your research project will be about, and for you to start to identify resources. We will be using this information the first week of school, so it is imperative you come with this assignment completed the first day of school. Take your time and make sure that the work you do below truly reflects your interests and passions. You're going to spend a LOT of time on this research project, so it needs to be about something you can be interested in through thick and thin.

1. **Discipline.** Select five different disciplines you may be interested in researching. A few examples of disciplines are: psychology, art history, climate science, law. Already know that you want your discipline to be? Then use five sub-disciplines within that discipline. For example, if you know you want to do a biology project, your sub disciplines exercise physiology, virology, cryobiology, animal communication, and nutrition. Need some more inspiration for disciplines? Here are some resources!
 - a. Very broadly, a list of academic disciplines from Wikipedia https://en.wikipedia.org/wiki/Outline_of_academic_disciplines (keep scrolling for sub-disciplines within each broad discipline)
 - b. Try browsing the list of majors available at the UW at <http://www.washington.edu/uaa/advising/academic-planning/majors-and-minors/list-of-undergraduate-majors/>.
 - c. This list of categories from the Intel ISEF <https://student.societyforscience.org/intel-isef-categories-and-subcategories>

**When you have decided on your five disciplines: Enter one of each of your disciplines in the tables below (each table gets its own discipline).

2. **Topic.** For each discipline, narrow it down to a topic. For example, if my discipline is climate science, my topic may be photovoltaic cells. You may need to do a bit of research about your discipline to come up with a topic that interests you. Don't be afraid to follow your way down the rabbit hole of links: it may take you somewhere interesting. Enter each of your topics underneath the disciplines below.
3. **Question.**
 - a. Come up with two questions about your topic. These should be rich questions, not simple questions. For example, if my topic is environmental science, an appropriate question may be "What effect does removal of dams have on river ecosystems?" A question that would not be appropriate would be "What is limnology?"
 - b. Explain your thinking behind your question. Why is it important to know the answer to this question? Why is it about this question that interests you? How would answering this question make the world a better place?
4. **Research.**
 - a. Find three resources that relate to each of your topics. These resources should be ones that are both trustworthy and reliable. Record your resource in either MLA or APA format.
 - b. Write an annotated bibliography for each of your resources. Your annotated bibliography should be a paragraph that includes:
 - A sentence or two that describes the author's credentials and purpose
 - A brief summary of the content
 - A sentence explaining how this source seems valuable and how you might use it.

- c. Need help identifying resources? Here are some ideas!
- The databases you became familiar with through AP Seminar and are linked on the library webpage: <http://www.everettsd.org/Page/6917>
 - Science daily www.sciencedaily.com
 - New York Times (access your free subscription from the library web page: <http://www.everettsd.org/domain/1897>)
 - NPR <http://www.npr.org/sections/news/>
 - BioMed Central <https://www.biomedcentral.com/journals> (There are A LOT of topics under the main subject in the journals – look around!)
 - It's not a bad idea to start with Wikipedia, but it is a bad idea to end there. Your resource will NOT be Wikipedia page, but it may be of a link you clicked on at the bottom of a Wikipedia page, provided that the resource is trustworthy and reliable

Discipline 1: _____

Topic: _____

Question:	Your thinking:
Question:	Your thinking:

(prepare your annotated bibliography of three resources related to this topic/questions on separate paper and attach)

Discipline 2: _____

Topic: _____

Question:	Your thinking:
Question:	Your thinking:

(prepare your annotated bibliography of three resources related to this topic/questions on separate paper and attach)

Discipline 3: _____

Topic: _____

Question:	Your thinking:
Question:	Your thinking:

(prepare your annotated bibliography of three resources related to this topic/questions on separate paper and attach)

Discipline 4: _____

Topic: _____

Question:	Your thinking:
Question:	Your thinking:

(prepare your annotated bibliography of three resources related to this topic/questions on separate paper and attach)

Discipline 5: _____

Topic: _____

Question:	Your thinking:
Question:	Your thinking:

(prepare your annotated bibliography of three resources related to this topic/questions on separate paper and attach)