

AP® Capstone Research Common Summer Assignment Pinellas County Schools

Dear Researcher,

We must first and foremost congratulate you on your interest in challenging yourself with the AP Capstone program. The skills you have and will continue to acquire due to the Capstone program are paramount in your post-high school success.

The following summer work that you may have the opportunity to begin during your remaining time in AP Seminar has been crafted after much consideration and discussion with other AP Research colleagues. We are NOT about busy work, but there are some concepts and items that you need to establish prior to starting AP Research. These are concepts that should be considered while taking long walks on the beach, sitting in the back of the car on a road trip, trying to fall asleep at camp, playing video games, or whatever summer activity enhances your life. Know that you will be asked to dig deep, so please start now.

Practical Research: Planning and Design can be checked out from the Media Center or public library. There are several editions. The page numbers here are based on the 10th edition, though you can use the 10th, 11th, or 12th.

While only your research question(s) is/are due the first day of school, it is a good idea to work on these assignments in AP Seminar and throughout the summer. This work will provide a foundation for your success in AP Research.

Should you have questions or if you would like support with this assignment, please refer to your PCS student email account for information about the AP Summer Assignment Support Sessions (AP SASS) that will be held July 31-August 1 at various locations. You can access your student email account by going to www.office.com and using your PCS username and password to login.

If you feel concerned, bewildered, overwhelmed, confused, frustrated, or any combination of the previously listed, please do not hesitate to contact the teacher. It is his/her job to support you, simple as that.

Welcome to AP Research!

TASK #1: Summer Research Question Work-Due the first day we meet

Everything starts with the research question. The research question is crucial—your inquiry will generate from this question (or questions). Creating an effective research question is difficult, but immensely important, as a poor research question leads to poor research.

The following concepts are things to consider when attempting to build a research question. Complete the chart requirements and write your initial question (or questions). Remember, the topic you decide to work with must hold your interest for the entire year. Choose something you are interested in/passionate about/not going to hate in a few months. Sit and reflect on your true interests prior to completing this chart.

Complete the following reflection questions electronically (as part of your PREP portfolio). The following elements are critical when attempting to build your research question. If you are struggling to understand the four major concepts -focus, scope, value, and feasibility- do not forget to reference the textbook. After answering the questions in this chart, attempt to write your research question. Bring this question to class on the first day we meet. This is the only assignment due the first day of school.

Please include the question when providing your responses. Responses should be, at minimum, a paragraph per question and should exhibit your ability to provide supporting textual evidence and an in-depth discussion. Remember to proofread for spelling and grammatical errors. These reflections should be typed in Times New Roman, 12 point font, single- or double-spaced (your preference).

Concept	Description	Reflection Questions to Answer (Required)	Additional Work (Suggested)
Focus <hr/> Research Discipline and Topic	<ul style="list-style-type: none"> • <i>Discipline:</i> Lens or section of focus <ul style="list-style-type: none"> ○ Art ○ History ○ Humanities ○ Hard Sciences ○ Social Sciences ○ Mathematics • <i>Topic:</i> Specific interest within a discipline that creates the basics of your research question 	<ul style="list-style-type: none"> • What discipline do you feel you are most successful in at school? • What discipline would you enjoy working in during your research? • What details can you add to your discipline to shape your topic interest? 	<ul style="list-style-type: none"> • Gather 10 research articles in the discipline of your interest. <p>You can use these articles to help inform the structure and style of your academic paper. This will remove some of your confusion when you begin composing your academic paper.</p>
Scope <hr/> Depth and Size of your Research Project	<ul style="list-style-type: none"> • <i>Context:</i> The specific setting of your research • <i>Variables:</i> The items/people/situations/ issues/concepts being studied and/or manipulated 	<ul style="list-style-type: none"> • What specific things will you study? People? Animals? Things? Concepts? Theories? • How will you work with the people/animals/things/ concepts/theories that you will research? 	<ul style="list-style-type: none"> • Find 10 research articles that work with similar variables to your research interest. <p>You can use these articles to help inform your research.</p>

<p>Value Contribution to the Body of Knowledge</p>	<ul style="list-style-type: none"> The value of your research is determined by how your contribution enhances what is already known about the topic. You are expected to either add to the current conversation of a discipline or use multiple discipline conversations to create new knowledge. 	<ul style="list-style-type: none"> Will your research change the way we currently see the topic? How will your research benefit society or your discipline of study? 	<ul style="list-style-type: none"> Find 10 current discussions about your topic. <p>Look for contrasting views about the topic.</p> <p>You will be able to use this content for your literature review or discussion of your topic. This will help you locate the need for your project.</p>
<p>Feasibility Possibility of Research</p>	<ul style="list-style-type: none"> Time, money, and resources can play a major part in determining the ability to complete your research. You will have around two-three months to complete your actual research project.-December - February 	<ul style="list-style-type: none"> What will you physically and/or monetarily need to complete your research? How long will your research take? Do you have access to the things you need for research? What adults from the professional world can help with your research (person or position/description)? 	<ul style="list-style-type: none"> Make contact with an adult who is skilled in your topic. Talk with them and ask if they would be interested in supporting you during your research process. <p>The College Board heavily encourages an expert adviser (similar to an AP Seminar mentor). Building a professional relationship with someone invested in your discipline will strengthen your academic paper.</p>

TASK #2: Reading and Reflection-it's a good idea to do this before the research question!

Although we will work on this during the first few weeks of school, you can get a head start. This will help ensure you have a firm foundation for research, as well as decrease the amount of work you'll need to complete during the school year.

Complete the following reflections. These are purposefully driven to help you make the jump from AP Seminar to AP Research. Complete electronically and keep them for your PREP portfolio, a tool required by the College Board that will help you stay organized in this yearlong progress.

Please include the question when providing your responses. Responses should be, at minimum, a paragraph per question and should exhibit your ability to provide supporting textual evidence and in-depth discussion. This should go without saying, but all work should be checked for spelling and grammatical errors. As AP students, I expect your writing to reflect the years of instruction and practice you have exemplified. These reflections should be typed in Times New Roman, 12 point font, single- or double-spaced (your preference).

Text: Leedy, P.D., Ormrod, J.E. (2013). *Practical Research: Planning and Design. (10th ed.)*. New York: Pearson. (you can also use the 11th or 12th editions, though the page numbers will be different)

Title of Reading	Pages	Questions for Reflection
“What Research is Not”	1-2	<ul style="list-style-type: none"> What surprised you in this section? Why? According to this section, how is AP Seminar different from AP Research? Explain your answer using textual evidence (cited in either APA or MLA) to emphasize your claims.
“What Research is”	2-7	<ul style="list-style-type: none"> What part of this section interests you? Why? According to this section, how is AP Research an extension of AP Seminar?
“Words Enhance Thinking”	12	<ul style="list-style-type: none"> How will words influence your ability to conduct research? Out of the four sections, which section did you connect to most? Why?
“The Human Mind”	17-22	<ul style="list-style-type: none"> Which subsection -Critical Thinking, Deductive Logic, Inductive Reasoning, Scientific Method, Theory Building, and Collaboration with Other Minds- are you least familiar with? Which subsection -Critical Thinking, Deductive Logic, Inductive Reasoning, Scientific Method, Theory Building, and Collaboration with Other Minds- is most critical for Research? Why?

Further Reading (Suggested): Booth, W.C., Colomb, G.C., & Williams, J.M. (2008). *The Craft of Research*. (2nd ed.). Chicago: University of Chicago Press.

TASK #3: Research Annotated Bibliography

Although we will work on this during the first several weeks of school, you can get a head start. This will help to ensure your research question is focused and valuable, as well as decrease the amount of work you'll need to complete during the school year.

Once you have an idea of your question, you must look at what has already been done. Your research should build on existing inquiry, fill a gap, and contribute new information to your field. In order to fully understand what has already been done and what still needs to be answered, you must read and analyze research.

We will work on this throughout the first several weeks of school. In the end, you will create an annotated bibliography with a minimum of 40 sources. At least 25 of these sources must be from scholarly, peer-reviewed journals (respectable journals known for admitting well-researched, well-written studies). EBSCO and Google Scholar are good databases to use. An annotated bibliography is a list of sources with a few paragraphs in which you describe the study, methods, findings, limitations, and specifically how the study will aid your inquiry. Paragraphs should thoroughly analyze the research done, the methods used, limitations to the research, and information on how this specific study will inform your inquiry. This amount of information will take space—in other words, annotated bibliography entries should be a minimum of 250 words. Please include the word count after the entry. This should be in Times New Roman, 12 point font, with APA citation. Each entry should be single-spaced, with a double space between entries. Remember to proofread your work for spelling and grammatical errors. See below for sentence starters, an example, and the rubric. Use Purdue OWL’s online site for more information on APA citations:

https://owl.purdue.edu/owl/research_and_citation/apa_style/apa_formatting_and_style_guide/general_format.html.

Annotated Bibliography Citation Article Z in APA format Sample Sentence Starters:

This study is relevant to..... This article focuses on the.... This study explores the..... Z believes the..... Z provides evidence for the..... The author provides explanations for the effects Z provides research, from several sources, affirming theThe author persuades..... Z claims....Z focuses on the problem of..... The author discusses the problem of..... The author claims..... Z asserts that...Furthermore, the author recommends... Z suggests....Z argues....This article is of interest to me in that it provides me with

Annotated Bibliography Example:

Akos, P., Creamer, V. L., & Masina, P. (2004). Connectedness and belonging through middle school orientation.

Middle School Journal, 36(1), 43-50.

The researchers, along with university faculty, teachers, students, administrators, and staff from middle and high schools, formed a transition team and created a transition program in North Carolina. The year-long transition program included schools tours, shadowing teachers, and an orientation program at the middle school at the beginning of the year. The orientation might be the most significant part of their transition program and was designed to meet three student needs: academic, social/personal, and organizational. The orientation provided several activities for students to satisfy these needs. To placate their academic needs, students were provided agendas and showed how to utilize and viewed a video sixth graders created about how to work in groups. To satiate students' social/personal needs, students were able to build peer relationships through team-building activities. To satisfy students' organizational needs, students were taught how to use combination locks on lockers, how to walk in the hall, use the restroom, and get lunch

Students and parents took a survey at the end of the third week to describe their perceptions. One hundred and thirty-nine students, 70% of the students in the orientation program, and 32 parents, 16% of sixth-grade parents, took part in the survey. The majority of students and parents agreed the orientation program was useful and the rules were clearly explained. Students were generally happy with the results of the orientation. Parents cited meeting teachers as the most beneficial part. Ten school staff members also took the survey and reported the program aided them in learning about their students. Since higher connectedness leads to higher achievement, the researchers called for more research on student achievement, student behavior, and attendance as a way to indicate students' connectedness to middle school.

This study is relevant to my inquiry as I will be looking at student and teacher perceptions of the transition from middle school to high school, specifically what ways schools can make the transition more developmentally responsive. (320 words)

SEE RUBRIC NEXT PAGE

A (9-10)	B (8)	C (7)	D-F (6-0)
Bibliographic information is cited accurately, and annotated entries summarize the article, evaluate its credibility and purpose, and reflect upon its suitability for research/extension of thinking. Annotations are thorough yet concise.	Bibliographic information is cited accurately, and annotated entries summarize the article, evaluate its credibility and purpose, but only partially reflect upon its suitability for research/extension of thinking.	Bibliographic information is cited not completely accurately, and annotated entries somewhat summarize the article, evaluate its credibility and purpose, but only partially reflect upon its suitability for research/extension of thinking.	Bibliographic information and/or annotated entries show little to no attempt to: accurately cite, summarize the article, and evaluate its credibility and purpose. In addition, it does not reflect upon the articles' suitability for research/extension of thinking.
There are little to no grammatical mistakes and informal or slang language, such as the use of 2nd person or contractions. The writer has used academic language and tone. There are few to no spelling and punctuation errors.	There are few grammatical mistakes and informal or slang language, such as the use of 2nd person or contractions. The writer has used academic language and tone with some minor lapses. Few spelling and punctuation errors.	There are several grammatical mistakes and informal or slang language, such as the use of second person or contractions. The writer often used informal language or slang. There are several spelling and punctuation errors.	There are frequent grammatical mistakes and informal or slang language, such as the use of second person or contractions. The writer has frequently used informal language or slang. There are frequent spelling and punctuation errors.
Assignment is in proper format for field, including format for page heading, header, margins, and spacing. Annotated bibliography is in alphabetical order by source author or title.	Assignment has a few errors in proper format for field, including format for page heading, header, margins, and spacing. Annotated bibliography is in alphabetical order by source author or title.	Assignment has multiple errors in proper format for field, including format for page heading, header, margins, and spacing. Annotated bibliography is mostly in alphabetical order by source author or title.	Assignment shows little to no attempt to use proper format for field, including format for page heading, header, margins, and spacing. Annotated bibliography is not in alphabetical order by source author or title.