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# Project Two Guidelines and Rubric



## Competencies

In this project, you will demonstrate your mastery of the following competencies:

- Evaluate approaches to cognitive research
- Apply concepts of cognitive science to innovation and technology

## Supporting Materials

The following resources support your work on the project:

- **Reading:** [Tips for Writing Popular Blog Posts](#)  
Review this Shapiro Library resource for useful tips about creating blog posts.
- **Reading:** [Categorization Is Cognition](#)  
Review this blog-style article as an example of what your finished blog might look like. Notice the tips from the Shapiro Library article above that are present: a catchy title, an image, and well-written body text organized by headers.

## Scenario

As technology evolves, members of the cognitive science community seek to better characterize the potential impacts that technology might have on our cognitive skills. There have been exciting benefits to the advances over the past 20 years, but have these same tools also changed the way we think? Have they changed our capacity to attend and process information? As you have learned in previous courses, such as PSY 222 (Research Methods) and PSY 260 (Statistical Literacy in Psychology), these sparks of curiosity can turn into research questions, and soon a body of work is produced—in this case, one that examines the effects of innovation and technology on the cognition of specific populations. To successfully complete this assignment, you will need to use your data literacy skills and analyze the research for what it is and for what it isn't.

For this project, due in Module Seven, you will create a technology and cognition blog post with the goal of educating a general audience, as well as healthcare providers, who are educated but not necessarily familiar with your topic of research. Do your best to summarize your sources in your own words with a scientific and formal but not overly technical tone. As such, do not use quotations in your blog, but be sure to use in-text citations and references appropriately. Building this type of communication skill will exercise your ability to consume information and will benefit you in any career path you choose.

In your Project Two Milestone, which was due in Module Five, you selected a topic and completed an annotated bibliography of current research related to your topic. Be sure to incorporate any instructor feedback on the analysis of your sources before beginning work on this project. You will use all of the primary sources from your milestone to complete this project. You must address each of the rubric criteria listed below in about 600 to 900 words total.

## Directions

Based on your topic selection and research in your Project Two milestone, create a technology and cognition blog post using the [Project Two Template Word Document](#). You must address the rubric criteria listed below in about 600 to 900 words total:

1. **Topic Summary and Theory Background**

- A. Describe **why** research is being done on your selected topic.
- B. Summarize how **technology** affects cognition for your selected topic.
- C. Describe how a **classic theory or concept** in cognitive psychology applies to your selected topic. Examples include encoding specificity, levels of processing, late or early selection models, the multiple resources approach to attention, automaticity, and the dual-route model of language.

2. **Compare and Contrast Primary Research Articles:** To answer each of the questions below, compare and contrast two of the three primary sources you identified in your Project Two milestone. Incorporate all three primary sources in your responses.

- A. Compare the use of **participants** in two primary sources of your choice. Consider how the choice of participants is relevant to the research or how comparing the participants could inform future research or different conclusions.
- B. Compare the **measures, tests, and research designs** used in two primary sources and compare how these measures relate to the specific domains of cognition mentioned in the articles. Consider how the research methods used are relevant to the research and how they can inform future research or different conclusions.
- C. Compare the **limitations** identified in two primary sources of your choice. Consider how the limitations are relevant to the research methodology implemented or conclusions drawn. For example, does the methodology in one article use procedures that can be used to infer causation more precisely and accurately? Does one source have a more representative sample than the other?

3. **Conclusions**

- A. Describe your **conclusions** about your selected topic based on the research you have analyzed.

## What to Submit

To complete this project, you must submit the following:

### Technology and Cognition Blog Post

Submit your completed Project Two Template. Sources should be cited according to APA style.

Project Two Rubric

Criteria	Exemplary (100%)	Proficient (85%)	Needs Improvement (55%)	Not Evident (0%)	Value
<b>Why</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Describes why research is being done on the selected topic	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to why the research is being done	Does not attempt criterion	10
<b>Technology</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Summarizes how technology affects cognition for the selected topic	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to how technology affects cognition	Does not attempt criterion	12
<b>Classic Theory or Concept</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Describes how a classic theory or concept in cognitive psychology applies to the selected topic	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details	Does not attempt criterion	12

			include details related to the classic theory or concept applied		
<b>Participants</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Compares the use of participants in two selected primary sources	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to comparing the participants	Does not attempt criterion	12
<b>Measures, Tests, and Research Designs</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Compares the measures, tests, and research designs used in two primary sources and compares how these measures relate to the specific domains of cognition mentioned in the articles	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to comparing the measures, tests, and research designs	Does not attempt criterion	15
<b>Limitations</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Compares the limitations identified in two selected primary sources	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to comparing the limitations	Does not attempt criterion	14
<b>Conclusions</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Describes conclusions about the selected topic based on the research analyzed	Shows progress toward proficiency, but with errors or omissions; areas for improvement may include details related to conclusions	Does not attempt criterion	10
<b>Articulation of Response</b>	Exceeds proficiency in an exceptionally clear, insightful, sophisticated, or creative manner	Clearly conveys meaning with correct grammar, sentence structure, and spelling, demonstrating an understanding of audience and purpose	Shows progress toward proficiency, but with errors in grammar, sentence structure, and spelling, negatively impacting readability	Submission has critical errors in grammar, sentence structure, and spelling, preventing understanding of ideas	10
<b>Citations and Attributions</b>	Uses citations for ideas requiring attribution, with few or no minor errors	Uses citations for ideas requiring attribution, with consistent minor errors	Uses citations for ideas requiring attribution, with major errors	Does not use citations for ideas requiring attribution	5

		Steps		
Total:				100%















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