

GIS Science Project 2025

Human Participant Project (Form H)

(Not eligible for Synopsys Championship)

Date:

Student Name:

Grade:

Part 1:

Due Aug 25, 2025

20 points

<p>My Project Title:</p> <p>Choose a title that identifies the <u>content</u> of your project. The title can include the nature of the study, the species used, and the place of field studies. It should reflect the principal objective of the investigation.</p> <p>Ex: Memory Test</p>	<p>Project Title:</p>
<p>My Research Question:</p> <p>State your questions clearly, what you are trying to find an answer for in 3 or 4 sentences.</p> <p>For Example: Which group of students have better memory? Boys or girls? What age group is the best?</p>	<p>Research Question:</p>
<p>My project Hypothesis is:</p>	<p>Hypothesis:</p>

<p>Based on your reading and information research, organize everything you have discovered, and then make an estimate of what will happen.</p> <p>For example, I hypothesize that Group Z has better memory than Group X.</p>	
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Part 2

Due Sep 2, 2025

30 points

Background Research:

What inspired you to choose this project? What kind of research did you do to find out more about this subject? What kind of experiments have been done previously on this topic?

Hypothesis:

Based on your reading and research, organize everything you have discovered, and then make a prediction of what will happen.

Materials & Participants:

Describe the characteristics of the people from whom you want to collect information.

- How many? (**minimum of 10**)
- Age(s)?
- Gender?
- Any other specific groups?

Recruitment:

How will you identify these people and how will you invite them to participate? If you want to include young children, you may need to include teachers or parents as part of your plan.

Testing Methods:

Describe what will be expected of participants. Include as much detail as you can. If you will use surveys, tests, or questionnaires, attach copies of each.

Confidentiality:

Will you need to collect any identifiable information (name, telephone/address, birthdate, email, etc)? If you do, then you must be very careful to protect this information. People who share their information with you are trusting you to be responsible and not share their details with anyone else. When you report your findings, you cannot use names or any personal information.

Time:

How much time will each person spend as part of the study? Is participation one time or more often (repeated)?

Risks:

Explain any possible risks or discomfort (physical, psychological, social) that a participant may experience. Also explain what you will do to minimize these risks and protect the participants.

Benefits:

Are there any direct benefits to each person? (Note – usually not in a research study.) You may also state any general benefits to society related to the results you hope to get. (Note – this section is not about benefits to you as the student researcher! For instance, do not say, “because this will help me with my project.”)

Part 3

Due Sep 29, 2025

50 points

Data Table & Graphs:

Add the collected data here in a table. Measurements should be in **SI units**. Present them using appropriate graphs/charts

Results and Conclusions:

Carefully review your data and see if your hypothesis was supported. Draw conclusions using your data and results.

My bibliographic references are the following: List at least 3 books, articles or websites

- 1.
- 2.
- 3.
- 4.
- 5.