
Investigation Proposal A

You have been tasked with designing a study or controlled experiment. In designing your experiment(s), consider the following questions. Then, complete the Investigation Proposal Flowchart on the back of this sheet.

1. What will serve as the dependent variable in the experiment?
2. What will serve as the independent variable? How will you measure it?
3. What other factors will be kept constant?
4. What will serve as a control group? (does not apply if investigation is a study)
5. How will you ensure your data are high-quality (minimize measurement error)?
6. How will you keep track of the data you collect? How will you organize it? Create a table in your Research Log
7. What calculations will you need to make, if any?
8. What type of graph could you create to make sense of the data, if any? Sketch the graphs and label the axes.

Guiding
Question

Hypothesis 1

Hypothesis 2

Predicted Results if hypothesis 1 is valid...

Predicted Results if hypothesis 2 is valid...

Procedure:

What data will you collect?

What variables will you keep constant? Control group?

How will you analyze the data? Graph type/maths

Instructor
Approval