

1ST DRAFT of your Independent Science Experiment plan

Project Title: _____

1. Identify a testable question:

What is the effect of _____
(the independent variable)

on _____?
(the dependent variable)

2. Research the topic:

What have people learned about _____?

My research sources will be: _____
(Be specific: list titles of websites, books, articles, authors...)

3. Write a hypothesis:

What I think will happen is:

This is why I think so:

Student Name _____

Date _____

4. Design a Procedure:

What I will change (independent variable):

What I will measure (dependent variable(s)):

What will stay the same (controlled variables):

Steps in my procedure: (Use extra paper if necessary or type this on another page.)

Include test group(s), control group, population size, #of trials

Student Name _____

Date _____

5. Materials:

6. Data: How will you know if the change you made had an effect?

(What data will you collect and what will you look for? How will you measure?)

7. Validation:

- ☐ My project is safe
- ☐ I can get the materials
- ☐ I have enough time to build, test, and report the project
- ☐ My project will not harm organisms
- ☐ My project will not harm or bother other people