

# 1<sup>ST</sup> 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...)

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## 3. Write a hypothesis:

What I think will happen is:

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This is why I think so:

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Student Name \_\_\_\_\_

Date \_\_\_\_\_

#### 4. Design a Procedure:

What I will change (independent variable):

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

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What will stay the same (controlled variables):

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Steps in my procedure:

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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?)


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