

Highlands Elementary Science Fair

PUTTING TOGETHER A SCIENCE FAIR COLLECTION PROJECT

For TK to 1st Grade ONLY

Collect and organize something of interest, answering questions related to observations made while exploring your world.

I. QUESTION

Choose a topic that you are interested in learning more about. Ask a one sentence **question** that you will find the answer to by collecting something. *Examples: What kinds of insects live in my backyard? What kinds of leaves grow in my neighborhood? What different twigs grow on trees in the park by my house?*

II. HYPOTHESIS

A **hypothesis** is what you think will be the answer to your question. It is your “best guess” before you actually go and collect your evidence. It is written as one sentence. *Example: In the park near my house, there are these kinds of twigs: _____.*

III. COLLECTION (EXPERIMENT)

A. Materials: Think about all the materials you will need to gather and sort your collection.

B. Collect and Sort: Time to have fun collecting! Once you’ve gotten your collection together, sort it in two or more different ways.

C. Observe and record data: Take pictures, do drawings, charts and graphs of all the ways you sort your collection. See what it looks like.

D. Results: Compare and evaluate the different pictures, drawings, charts and graphs you did for your collection. What do they tell you? Evaluate the results.

IV. CONCLUSION

The **conclusion** answers the hypothesis. Look at the results and figure out if they prove or disprove your hypothesis, and why.

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DISPLAY LABELS FOR COLLECTIONS

QUESTION

HYPOTHESIS

COLLECTION

CONCLUSION

REPORT

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Backboard Layout for Collection Project

Backboard Dimensions Should Be 36" x 48"

Question	Title	Conclusion
Hypothesis	Collection/Results	Report and/or Graph



Collection Project

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IDEAS FOR COLLECTIONS

Animal Studies

Butterflies

Birds

Dinosaurs

Insects

Plant Studies

Trees in the park

Leaves in your Neighborhood

Flowers

Seeds

Physical Sciences

Automobiles

Types of Motors

Planes

Transportation

Water

Consumer Testing

Healthy Food Labels

Fruits

Vegetables