CLASS:

GENERAL SCIENCE TOOLKIT

Testing Scientific Ideas

BLM G-29

Goal • Following the steps to test a scientific idea in an investigation.

Introduction

When investigating a science idea, scientists follow specific steps. In this way, you can test your scientific ideas with precision.

What to Do

• Use this outline to help you organize your notes on a science inquiry you conduct by yourself.

Outline

| Topic: | |
|---|---|
| The Science Inquiry Process | My scientific idea is |
| observations and questions | • What I already know about this topic is |
| identify the scientific idea | Where I can look for more information is |
| gather information | How I can explore this idea further is by |
| form a hypothesis or make a prediction perform an experiment/ investigation | (Experiment? Interviews? Research?) |
| | • The hypothesis for this inquiry is |
| | • The equipment and materials I will need to include |
| analyze data | • I will record my findings by |
| revise prediction or hypothesis analyze data times | (Notes? Graphs? Tables? Charts?) |
| draw conclusions | • When I will review my inquiry design: |
| prediction or hypothesis not supported prediction or hypothesis supported communicate results | When I might revise my hypothesis: |
| | Why I might change my design: |
| | How I might adjust my design: |
| | How I will communicate my findings: |

(Write-up? Oral presentation? Model? Display?)