Design an Investigation

Use this graphic organizer to help you plan and carry out an investigation using the scientific method.

Make Observations / Ask Question(s) → More Observations / Research

Develop a Hypothesis (proposed explanation of observed phenomenon)

Test Hypothesis; What is your experiment?

Did the experiment work well the first time? Did you need to change any procedures? If so, how?

How many times did you do the experiment to get reliable results?

Analyze Data + Draw Conclusions
How will you analyze your data? Will you create graphs or other visuals? If so, what type(s) will be most effective?

Hypothesis supported?

Communicate Results
How will you share your results?

Hypothesis NOT supported?

Refine Hypothesis and/or Experiment; Do More Tests

“Science in Action!” Lesson Plan

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