



**COMPONENT 2: Planning the Investigation**

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# Question

**What do you want to investigate?**

- I wonder \_\_\_\_. Or, How does \_\_\_\_ affect \_\_\_\_?

**Why did you choose this question?**

- I chose this question because \_\_\_\_.

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# Prediction

**What do you expect will happen? Why?**

- “I predict \_\_\_\_ because \_\_\_\_.”

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# Methods & Materials

<b>What are your step-by-step methods for conducting the investigation?</b>	<b>What materials will you use?</b> (Include specific amounts & units)
1. _____ _____	→
2. _____ _____	→
3. _____ _____	→
4. _____ _____	→
5. _____ _____	→
6. _____ _____	→
7. _____ _____	→

**COMPONENT 3: Data Collection & Organization**

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# Data Collection & Organization

**Record what happened - before, during and after.**

- Your data might be notes, numbers, measurements, dated notebook entries, diagrams or photos. Include headings and units on data tables.

**Then, organize your data in a table, chart or graph so that it's easy to read.** Include headings and units.

**COMPONENT 4: Making Sense of Data**

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# Claims & Evidence

<b>Claims</b>	<b>Evidence</b>
<b>Looking at your data, try to answer your question. What do you think is true?</b>	<b>Cite <i>specific</i> data from the investigation that supports your claim.</b>
<ul style="list-style-type: none"><li>• I claim ____.</li><li>• In addition, I claim ____.</li></ul>	<ul style="list-style-type: none"><li>• My evidence is ____.</li><li>• Another piece of evidence that supports my claim is ____.</li></ul>

# Conclusion

<p><b>Now answer your question, citing your claims and evidence.</b></p> <ul style="list-style-type: none"><li>• Based on this investigation, I conclude that ____.</li></ul>
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