1. Problem
What do you wonder about?
Which car will roll further?
Heavier or lighter?
Big wheels or small wheels?

2. Background Research
What do you already know?

3. Hypothesis
What do you predict will happen?
- Predict what will happen in the experiment.
- Identify variables and controls.
4. Experiment

- What supplies do you need?
- What steps will you take?

- Materials—List supplies and equipment used to conduct experiment.
- Procedure—Describe the step-by-step process on how the experiment was performed.

5. Results

What happened in your experiment?

<table>
<thead>
<tr>
<th></th>
<th>Trial 1</th>
<th>Trial 2</th>
<th>Trial 3</th>
<th>Average</th>
</tr>
</thead>
<tbody>
<tr>
<td>No weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Extra weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Big wheels</td>
<td></td>
<td></td>
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<td></td>
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<tr>
<td>Big wheel &amp; weight</td>
<td></td>
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</tbody>
</table>

- Record and graph quantitative data.
- Report qualitative observations.

6. Conclusion

- What did you learn about your prediction?
- What new questions do you have?

- Summarize results.
- State if hypothesis was supported or not.
- Suggest improvements to the experiment.