**The Report- typed or handwritten (neatly) in lab journal**

**Use the following outline to plan and write your report**

| **Component** | **Description** | **Draft of Ideas (what will I say); be specific and use your journal!** | **Value** |
| --- | --- | --- | --- |
| **Topic Sentence** | restate the goals of the project using your own words and past tense |  | **5 points** |
| **Body Sentences 1 & 2** | describe the research or experience that inspired your design. discuss how this specifically influenced your first prototype design.\* see rubric below for specifics related to research.  written explanation shows a clear understanding of the technology design process. shows basic understanding of aerodynamics and speed. |  | **10 points** |
| **Body Sentences 3-7** | describe the process of creating and editing prototypes. why did you make changes? why did you keep certain aspects of the design? |  | **10 points** |
| what issues arose during testing of prototypes? what successes were achieved? Why? How were these linked to design and research phase? |  | **10 points** |
| **Body Sentences Final 2-3** | Describe the final design- description of car, measurements, and results of test. Describe why you think the car performed this way. |  | **10 points** |
| **Concluding statement** | What would you change and why if you were to redo the project with the same parameters? |  | **5 points** |

**For each area, you are being assessed for your use of evidence and reasoning:**

|  | **3**  **Proficient** | **2**  **Progressing** | **1**  **Beginning** |
| --- | --- | --- | --- |
| **Claim**  *A statement or conclusion that answers the original question/ problem.* | Makes a claim that is…   * Relevant (Directly & clearly responds to question) * Accurate (Consistent with evidence and scientific principles) * Complete (Complete sentence that stands alone) | * Makes a relevant and accurate but incomplete claim. | * Does not make a claim, or makes an inaccurate or irrelevant claim. |
| **Evidence**  *Scientific data that supports the claim. The data needs to be appropriate and sufficient to support the claim.* | Provides evidence to support the claim that is…   * Appropriate (Scientific data or information from observations, investigations, data analysis, or valid scientific sources) * Sufficient (Enough evidence to support the claim) | * Provides appropriate, but insufficient evidence to support claim. May include some inappropriate evidence. | * Does not provide evidence, or only provides inappropriate evidence (Evidence that does not support claim). |
| **Reasoning**  *A justification that connects the evidence to the claim. It shows why the data counts as evidence by using appropriate and sufficient scientific principles.* | Explanation provides reasoning that is…   * Clear (Clearly communicated and goes beyond repeating claim and evidence) * Connected (Explains why the evidence is important or why it is relevant) * Integrated (Links the evidence to important notes | * Provides reasoning that connects the evidence to the claim. May include some scientific principles or justification for why the evidence supports the claim, but not sufficient. | * Does not provide reasoning, or only provides inappropriate reasoning. |

**My Final Report:**