**Arctic WARMing Engineering Challenge Grading Rubric**

**Name(s):**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Category** | **Exemplary** | **Accomplished** | **Developing** | **Beginning** | **Your score** |
| **Use of Class Time** | Used time well. Focused on getting the project done without distracting others. | Used time well. Mostly focused on getting the project done without distracting others | Used some time well. Some focus on getting project done but occasionally distracted others. | Did not use class time to focus on the project OR often distracted others. |  |
| **Report** | The topic and messages of the report are clear and easily understood | Topic and main ideas are clear. | Topic is given but main ideas are unclear or lacking. | Topic and/or main ideas are absent or very unclear. |  |
| **Report content and details and accuracy** | Contains information on the design, the successes and challenges and the observations | Contains most of the requirements. Detail is added to support each main idea with minimal clutter. | Contains some of the detail. More is needed for understanding. | Very little detail is provided for the main ideas and understanding is limited. Missing many requirements. |  |
| **Report Design/layout** | The design/layout is neat, clear, and visually appealing. | Is attractive in terms of design, layout and neatness. | Is acceptably attractive though it may be a bit messy. | Is distractingly messy, unattractive, or very poorly designed. |  |
| **Report**  **Mechanics** | Capitalization and punctuation are correct throughout. | There are a few errors in capitalization or punctuation. | There are several errors in capitalization or punctuation. | More than several errors in capitalization or punctuation. |  |
| **Report**  **Grammar** | There are no grammatical mistakes. | There are a few grammatical mistakes. | There are several grammatical mistakes. | There are many grammatical mistakes. |  |
| **Report**  **Image and info Credits**  **(0 or 1 pt)** | **x** | **x** | **x** | Credit/citations provided for all images and research information. |  |
| **Model - Relevance** | The model used represent the challenge appropriately. | The model used mostly represents the challenge appropriately. | The model relates to the topic but does not represent appropriately. | Model does not relate to the challenge. |  |
| **Model - Materials** | Materials used were very appropriate and were cleaned up successfully. | Materials used were appropriate and were cleaned up mostly successfully. | Materials used were somewhat appropriate and were mostly cleaned up. | Struggled using appropriate materials and did not clean up. |  |
| **Model - Make a model** | Great care taken in construction. The model or prototype is neat, attractive and follows plans accurately. | Care taken in construction. The model or prototype is missing details. | Construction appears careless or haphazard. Many details are missing. | Missing most details and does not meet the challenge |  |
| **Model - Generating Ideas** | Participates in brainstorming and contributes plausible ideas and  concepts | Participates some in brainstorming and contributes an idea or concept | Contributes to either brainstorming or ideas/concepts | Does not contribute. |  |
| **Model - Test and evaluate the design and Redesign.** | Clear evidence of troubleshooting, testing, and refinements based on data. | Some evidence of troubleshooting, testing and refinements. | Little evidence of troubleshooting, testing or refinement. | No evidence of troubleshooting, testing or refinement. |  |
| **TOTAL** |  |  |  |  |  |