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| --- | --- | --- | --- | --- |
| Task Completion | 1  Attempted something | 2  Attempted all tasks, but two or more are incomplete | 3  Attempted all tasks, but one is incomplete | 4  Completed all tasks throroughly (Hot Coffee, Pyramid of Pennies, BeeHives, and Ice Cream Scoops) |
| Introduction | 1  Does not follow instructions for introduction | 2  Introduces topic and mentions collaborators by name |  |  |
| Relevant Information | 1  Includes irrelevant information or information that was not used in the model | 2  Follows directions for relevant info. All info mentioned is used later in the model. |  |  |
| Model | 1  There is just not much there. | 2  Explanation is hard to follow. The model shows some thinking. | 3  Explanations are in complete sentences, includes all strategies, drawings, and calculations. May have minor errors in logic or gaps in explanation. | 4  Explanations use complete sentences, includes all strategies, drawings, and calculations. Shows professional quality explanations. |
| Error Analysis | 1  Not very thorough | 2  Discusses math errors only. | 3  Basic error analysis. Missing one or two important sources of error. | 4  Thorough error analysis that follows the instructions of the outline. |
| Extension | 1  Mentions an extension. | 2  Attempted the extension and shows some mathematical reasoning. | 3  Shows mathematical reasoning to answer one extension, or has minor errors in communication or thinking. | 4  Extension is thorough and answers multiple questions mathematically. Shows curiosity and creativity. |

Total \_\_\_\_\_\_\_\_\_\_\_\_\_ out of 20