|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Unsatisfactory** **1 pts** | **Satisfactory** **2 pts** | **Very Good** **3 pts** | **Superior** **4 pts** |
| **Effort** | Unsatisfactory  No effort was given in making the guide. More effort needs to be shown for future projects. | Satisfactory  Effort was given in making the guide, but not a large amount. Student could have spent additional time putting in more time to create a better guide. | Very Good  Good effort was given in making guide. Student did a nice job putting in the time necessary to make a good project. | Superior  Great effort was given in making guide. It is clear that an outstanding amount of effort was put forth during the completion of the project. |
| **Neatness** | Unsatisfactory  Guide is not easy to read. Student did not put forth effort to make a neat guide. | Satisfactory  Guide is able to be understood, but more effort toward neatness should be made in the future. | Very Good  Student put a good deal of effort into the neatness of this guide. It is clear that the student worked hard to make the guide look nice. | Superior  An outstanding amount of effort was placed into the neatness of this guide. There are no visible mistakes at all. |
| **Identifying Machines** | Unsatisfactory  Student has not followed directions and has not labeled the correct number of simple machines. | Satisfactory  Student has labeled 2-3 simple machines. | Very Good  Student has labeled 4-5 simple machines. | Superior  Student has successfully labeled all six simple machines. |
| **Design Creativity** | Unsatisfactory  Student has not taken project seriously and did not put enough thought or effort into project design. | Satisfactory  Student has completed the project, but has not fulfilled design expectations. Some errors make the guide difficult to understand. Student has done the minimum to complete the guide. | Very Good  Student has done a good job following directions. The appearance and design is very good, directions were followed, and student fulfilled the necessary requirements. | Superior  Student has done an outstanding job creating a design for the guide. All directions have been followed and project has gone above and beyond all expectations. |
| **Related Concepts** | Unsatisfactory  Student did not identify relevant concepts | Satisfactory  Student has identified concepts of efficiency and mechanical advantage, but did little to explain their calculations and relevance. | Very Good  Student has clearly identified and explained the methods for calculating and the relevance of concepts like mechanical advantage and efficiency | Superior  Student clearly demonstrated calculations and relevance of concepts of mechanical advantage as well as providing valuable insights. |
| **Compound Machines** | Unsatisfactory  Student did address compound machines | Satisfactory  Student correctly defined compound machines, and described a method for calculating MA. | Very Good  Student has clearly defined compound machines, explained the methods for calculating MA and provided examples. | Superior  Student clearly demonstrated calculations and relevance of concepts as well as providing valuable insights. |