

**Project 2.2.5** **Rocket Design and Build Rubric**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Elements** | **Weight** | **5 Points** | **4 Points** | **3 Points** | **2 Points** | **1 – 0 Points** | **Total** |
| Design Features |  | Demonstrates an understanding of rocket performance.  Rocket design shows use of simulation and test data to improve flight characteristics. | Demonstrates a basic understanding of rocket performance.  Rocket design shows basic use of simulation and test data to improve flight characteristics. | Demonstrates a weak understanding of rocket performance.  Rocket design shows weak use of simulation and test data to improve flight characteristics. | Demonstrates a little or no understanding of rocket performance.  Rocket design shows little or no use of simulation and test data to improve flight characteristics. | None of the previous elements are present. |  |
| Balance |  | Demonstrates an accurate balance test. | Demonstrates an accurate balance test with minor adjustment. | Demonstrates a poor balance test with minor adjustment needed. | Demonstrates a poor balance test and requires significant adjustments. | None of the previous elements are present. |  |
| **Construction** |  | Demonstrates excellent construction techniques that reflect the design. | Demonstrates good construction techniques that reflect the design. | Demonstrates fair construction techniques that reflect major elements of the design. | Demonstrates poor construction techniques that weakly reflect elements of the design. | None of the previous elements are present. |  |
|  |  |  |  |  |  | Score |  |