

Bottle Rocket Final Documentation Rubric

Name:

Criteria	Max score	Score	Feedback
1. The goal of this project is articulated (~ask in the 5-step EDP. To receive full credit discuss the constraints and criteria of this project)	10		
2. Evidence of research and imagining is present (discuss how you came up with your design. Include sources where relevant)	5		
3. Evidence of planning (To receive full credit your final documentation must include the design sketch and materials list)	20		
4. The team challenges themselves in the creation of the design and construction and takes into consideration the effects of lift and drag	10		
5. The final bottle rocket design is creative and demonstrates mechanical construction skills	10		
6. Pictures are included of the creation process and final bottle rocket	10		
7. The team accounts for how they are going to launch their rocket (i.e. builds or plans for a launchpad)	5		
The team improves upon their rocket from their initial design and build and there is evidence of this in their documentation	10		
8. The documentation shows critical thinking as they evaluate the successes and failures of their rocket	10		
9. The student demonstrates regular professional behavior while working on this project	10		

SCORE: 0