Team Members Names: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Engineering Design Notebook Checklist/Rubric**

|  |  |  |  |
| --- | --- | --- | --- |
| **Order and Criteria** | **PTS** | **PTS** | **Comments** |
|  | **Possible** | **Earned** |  |
| **Cover Page: Your Product, Photo of Prototype, Team** | **3** |  |  |
| **Members Names, Date(s), School, Teacher (1PG)** |  |  |  |
| **Teams signed and witnessed Teamwork Agreement** | **2** |  |  |
| **AND This Rubric** |  |  |  |
| **Table of Contents and “Tabs” used to mark each of the** | **5** |  |  |
| **sections (1+ PG)** |  |  |  |
| **Has Design Brief that explains the: (1+ PG)** | | |  |
| **Context:** Clear statement of the engineering design | **5** |  |  |
| problem to be solved |  |  |  |
| **Task/Jobs:** List of who had what task or job and explain | **5** |  |  |
| what they did in those jobs |  |  |  |
| **Requirements/Rules:** You’re going to be applying all | **5** |  |  |
| of the knowledge and skills you have learned about |  |  |  |
| Engineering Design. You must solve some kind of design |  |  |  |
| problem that has a POSITIVE impact on society or the |  |  |  |
| environment. You will be researching, designing, and |  |  |  |
| creating a product of your choosing. This product must be |  |  |  |
| marketable (people will want to buy it). |  |  |  |
| • You will work in teams of three (3). |  |  |  |
| • All research and paperwork must be in a 1” 3 ring |  |  |  |
| binder and have all of the paperwork organized per |  |  |  |
| the check list and grading rubric. |  |  |  |
| • Product prototype must be made out of 3-10 |  |  |  |
| different types of material. |  |  |  |

|  |  |
| --- | --- |
| • Prototype and display board must fit into a space no |  |
| bigger than: 3’-0” Wide, 1’-3” Deep, and 4’-0” High. |  |
| **Research:** All proof of research you did, all handouts, | **5** |
| data, research paper, etc., scanned in as needed or PDF |  |
| of electronic. |  |
| **Steps:** Explain the steps you took to create your | **5** |
| prototype. |  |
| **Product:** Explain what you expected your prototype to | **5** |
| do or the problem it should be solving. |  |
| **All research printed out (2+ PG)** | **5** |
|  |  |
| **All Hand Outs** | **5** |
|  |  |
| **Technical Drawings (1+ PG)** | **10** |
|  |  |
| **Any math or science facts/data you may have found (1** | **5** |
| **PG)** |  |
| **Print out of each team member’s weekly reflections.** | **5** |
| **(1+ PG)** |  |
| **Marketing Brochure or Flyer (1+ PG)** | **5** |
|  |  |
| **Evaluation of your prototype and how you think it will** | **5** |
| **affect society and/or the environment (1+ PG)** |  |
| **Bibliography/References/Resources (1+ PG)** | **5** |
|  |  |
| **ALL Graded Rubrics** | **5** |
| **DVD of Infomercial & Presentation** | **5** |
| **Everything is in a sheet protector** | **5** |

**Engineering Design Notebook Checklist/Rubric**

Student Comments:

Teacher Comments: