**Final Design Rubric**

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| Criteria | 4. Advanced Engineer | 3. Proficient Engineer | 2. Developing Engineer | 1. Junior Engineer | Total |
| Research | Student shows evidence of extensive research about hingeback tortoises and their habitats in their lab notebooks. | Student has sufficient research about hingeback tortoises and their habitats in their lab notebooks. | Student has minimal research about hingeback tortoises and their habitats in their lab notebooks. | Student has little to no research about hingeback tortoises and their habitats in their lab notebooks. |  |
| Planning | Student has a clear and concise plan in their lab notebook that shows what they will be using in designing their habitat. | Student has a plan in their lab notebook that shows what they will be using in designing their habitat. | Student has a plan in their lab notebook that might be hard to follow that shows what they will be using in designing their habitat. | Student has no plan in their lab notebook that shows what they will be using in designing their habitat. |  |
| Design/  Redesign | Student designs an optimal habitat and redesigns as needed. | Student designs an appropriate habitat and redesigns as needed. | Student designs an appropriate habitat but does not redesign as needed. | Student does not design a habitat or attempt to redesign as needed. |  |
| Presentation | Student speaks and presents their information clearly. | Student speaks and presents their information. | Student speaks quietly and only presents some of their information. | Student does not contribute to the presentation. |  |
| Participation | Student was an active member of the group and contributed helpful ideas to the group. | Student was an active member of the group. | Student contributed to the group but was not actively involved. | Student did not contribute to the group. |  |

**Total =**

Teacher Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_