**Engineers are problem solvers**

**Rubric**

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| **Criteria** | **Beginning** | **Achieved** | **Exceeded** |
| *Brainstorming* | Identified a single solution to the problem. | Identified several solutions to the problem. | Identified several solutions to the problem that approached the problem in quite different ways. |
| *Prototyping* | Built a prototype. | Built a prototype that showed some similarities to the planned solution. | Built a prototype that used the core principles of the planned solution. |
| *Testing* | Measured the height of the tower. | Selected units of measurement to obtain an accurate height. | Selected units of measurement to obtain an accurate height and considered fairness and repeatability when measuring. |
| *Iterating* | Built another prototype. | Demonstrated reflection and consideration before and between development of further iterations. | Demonstrated careful evaluation of the first prototype and actioned areas for improvement in development of further iterations. |
| *Group work* | Participated in the group discussion and activity. | Participated in discussion and was hands-on in each phase of the engineering design cycle. | Participated and supported others’ participation in discussion and hands-on aspects of each phase of the engineering design cycle. |