3D Printer

M Bullerwell

Student: _____

Grade: _____

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Rubric: 3D Design Project

Tinkercad and SketchUp Project

Options

Final Design Project

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	Exceeds 4 pts	Meets 3 pts	Working toward 2 pts	Did not meet 1 pts
Visual Design 4 pts	**Exceeds** All components visually represented in correct working order and to scale with designated output.	**Meets** Slight deviation in either size or ordering of components.	**Working toward** Large deviation in component size or organization.	**Did not meet** Visual design hard to interpret or read.
Functionality 4 pts	**Exceeds** All pieces fit together.	**Meets** All pieces fit together. Very rough operation.	**Working toward** Most pieces fit, attempts to operate. Functional by design.	**Did not meet** Some pieces fit, does not operate. Design is not correct.
Originality	**Exceeds**	**Meets**	**Working**	**Did not meet**

4 pts No downloads. Creativity rewarded. Stretch yourself.	All pieces original designed to create an entire original project.	Project idea not original, but modifications made on almost all but one component.	toward Project idea not original. Half pieces original design, other half designed based on work seen.	Project idea not original. Only one piece original design.

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Keywords: Tinkercad, 3D, measures, scales

Subjects: Engineering   Education

Types: Project   Assignment

Comments:

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