

Name \_\_\_\_\_

## Rube Goldberg Design Challenge

Trait	Exceeds Expectation (4)	Meets Expectation (3)	Getting There (2)	
<b>Design Process</b>	*Students sketch a plan for their Rube Goldberg design complete with simple machine labels *Students document what worked, didn't work, and changes to be made for more than one iteration	*Students sketch a plan for their Rube Goldberg design complete with simple machine labels *Students document what worked, didn't work, and changes to be made	*Students sketch a plan for their Rube Goldberg design and document what worked and didn't work	*Students sketch a plan for their Rube Goldberg design
<b>Energy Transfer</b>	Model has more than 5 energy transfers	Model has 5 energy transfers	Model has 4 energy transfers	Model has 3 energy transfers
<b>Simple Machines</b>	Model has 5–6 simple machines represented	Model has 3–4 simple machines represented	Model has less than 3 simple machines represented	Model has 2 simple machines represented
<b>Video – Explanation</b>	*All simple machines and energy transfers are explained in the video *More than one design change is explained *Title and credits included	*Most simple machines and energy transfers are explained *At least one design change is explained *Title	*A simple machine and at least 2 energy transfers are explained.	*A simple machine and at least 1 energy transfer are explained.
<b>Team Work</b>	Actively helped the group in the following ways: Ideas Supplies Hands on building Creating/editing videos Positive attitude	Participated in the following ways: Ideas Hands on building Positive attitude	Partially participated and required frequent redirection	Did not participate and had no input