

4B Rube Goldberg Rubric

Group Members: _____

	1	2	3	4	
<p>Machine Function</p> <p>Group included the required 6 simple machines</p>	<p>Original plan did not include the required simple machines and/or did not successfully utilize 6 simple machines.</p>	<p>Machine plan adequately included the required simple machines. All 6 steps might not function as planned.</p>	<p>Balloon popping machine included the required simple machines and group used trial and error to attempt to correct any challenges.</p>	<p>Balloon popping machine included the required simple machines and group was able to overcome challenges to ensure their machine is reliable and works each time.</p>	_____
<p>Simple Machines Checklist</p>	<p>Comments:</p> <p style="text-align: center;"> ____ Incline/decline plane ____ Pulley ____ Gears ____ Wedge ____ Wheel and axle ____ Lever </p>				_____
<p>Diagram</p> <p>Group completed and correctly labeled diagram.</p>	<p>1</p> <p>Diagram and steps are incomplete. Steps failed to fully describe the machines function.</p>	<p>2</p> <p>Adequate diagram and steps are complete using basic vocabulary. Steps describe the basic function of the machine.</p>	<p>3</p> <p>Good quality diagram and detailed steps are complete thoroughly describing the machine function. Scientific vocabulary was used to highlight each step.</p>	<p>4</p> <p>High quality diagram exceeded expectations.</p>	_____

<p>Record of Construction</p> <p>Did they produce a complete Daily Log after the construction process?</p>	<p>1</p> <p>Group failed to produce a complete log of the construction in process from start to finish.</p>	<p>2</p> <p>Group produced a coherent log of the construction in process from start to finish.</p>	<p>3</p> <p>They produced a complete and detailed log of the construction in process from start to finish including machine testing results.</p>	<p>4</p> <p>They produced a complete, detailed and organized log of the construction in process from start to finish including thoughtful observations and detailed information.</p>	<p>_____</p>
<p>Completion of Video</p> <p>Was your video completed accurately and served as a log of your experiment.</p>	<p>Video was incomplete or did not capture the popping of the balloon.</p>	<p>Video met requirements but did not capture the popping of the balloon.</p>	<p>Video was completed carefully and represents the group's careful attention to detail.</p>	<p>Video was completed with thoughtful organization, details, and neatness that exceed expectations.</p>	<p>_____</p>
<p>Comments:</p>	<p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>				