

Student name: _____

Date: _____

Mars Rover Tutorial Rubric

	Level 4	Level 3	Level 2	Level 1
Presentation & Sound	<p>Audio is loud enough and clear enough to communicate all ideas</p> <p>Speaks clearly and firm</p>	<p>Audio is often loud and clear enough to communicate main idea</p> <p>Mostly speaks clearly and firm</p>	<p>Audio is inconsistent in clarity and unclear at times</p> <p>Speaks quietly and/or mumbles at times</p>	<p>Audio is unclear or too soft to communicate main ideas</p> <p>Speaks very quietly and/or mumbles through video</p>
Use of Tools on Tinkercad	<p>The designs demonstrate highly effective use of the design tools, including the use of shapes and holes. Design elements are aligned properly.</p> <p>Uses the program with a high degree of effectiveness and creativity</p>	<p>The designs demonstrate use of the design tools but may be missing some the use of shapes and holes. Some design elements are not aligned properly.</p> <p>Uses the program with considerable effectiveness and creativity</p>	<p>The designs demonstrate poor use of the design tools and is lacking required or necessary shapes and holes. Many design elements are not aligned properly.</p> <p>Uses the program with some effectiveness and creativity</p>	<p>The designs demonstrate poor use of the design tools and is lacking required or necessary shapes and holes. Many design elements are not aligned properly.</p> <p>Uses the program with limited effectiveness and creativity</p>
Organization/Content	<p>Tutorial does an exemplary job of introducing the concept</p> <p>Instructions are well organized, thorough and easy to follow.</p>	<p>Tutorial contains most of the essential content but could have been more thorough</p> <p>Instructions are mostly organized and easy to follow</p>	<p>Tutorial is missing essential content or consistently provides misinformation</p> <p>Presentation skips from topic to topic lacking organization</p>	<p>Tutorial is incomplete or off topic</p> <p>Designed more to entertain than to instruct</p>
Collaboration	<p>Actively collaborated in decisions made about rover design and work was evenly distributed between members</p> <p>Always displayed both active and passive leadership when making group decisions</p>	<p>Actively collaborated in decisions made about rover design, work was not evenly distributed between members</p> <p>Usually displayed both active and passive leadership when making group decisions</p>	<p>Mostly let others make decisions about rover design, did not complete their share of the work</p> <p>Occasionally needed teacher mediation when making group decisions</p>	<p>Let others make decisions about rover design and did not complete their share of the work</p> <p>Often needed teacher mediation to make decisions and complete project</p>
Research	<p>Extremely thorough and detailed; presents accurate information; displays a clear understanding of the components that make a rover suitable for Space exploration</p>	<p>Very thorough and an adequate amount of detail; presents mostly accurate information; displays a considerable understanding of the components that make a rover suitable for Space exploration</p>	<p>Somewhat thorough with a few details; presents some accurate information; displays some understanding of the components that make a rover suitable for Space exploration</p>	<p>Limited information; presents inaccurate information; displays a limited understanding of the components that make a rover suitable for Space exploration</p>