

Assessment Rubric for Galileo's Inclined Plane Experiment

This is a collaborative activity and most (80%) of the points are awarded on the basis of group performance. The rubric is designed to produce a minimum grade of 60 for any student who completes the assignment.

Item	Poor	Fair	Good	Excellent
<p>Research Question, Experimental Design, Hypothesis, and Procedure</p> <p>40 points</p>	<p>Fewer than two acceptable elements</p> <p>(30 points)</p>	<p>Two acceptable elements</p> <p>(34 points)</p>	<p>Three acceptable elements</p> <p>(37 points)</p>	<p>Four acceptable elements</p> <p>(40 points)</p>
<p>Data Processing</p> <p>20 points</p>	<p>Data not averaged correctly</p> <p>(10 points)</p>	<p>Data averaged correctly but not graphed correctly</p> <p>(14 points)</p>	<p>Data averaged correctly but graph not complete</p> <p>(17 points)</p>	<p>Data averaged and graphed correctly</p> <p>(20 points)</p>
<p>Conclusion</p> <p>20 points</p>	<p>Does not state that objects rolling down an inclined plane get faster or accelerate.</p> <p>(10 points)</p>	<p>Correctly states that objects rolling down an inclined plane get faster as time goes on</p> <p>(14 points)</p>	<p>Correctly states that objects rolling down an inclined plane accelerate</p> <p>(17 points)</p>	<p>Correctly states that objects rolling down an inclined plane accelerate proportional to the square of the time</p> <p>(20 points)</p>
<p>Individual Participation</p> <p>20 points</p>	<p>Student shows little participation in discussion and /or experiment</p> <p>(10 points)</p>	<p>Student shows some participation in discussion and/or experiment</p> <p>(14 points)</p>	<p>Student actively participates in discussion and/or experiment</p> <p>(17 points)</p>	<p>Student takes leadership role in discussion and/or experiment</p> <p>(20 points)</p>