

### Assessment Rubric for Galileo and the Leaning Tower of Pisa

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.

<b>Item</b>	<b>Poor</b>	<b>Fair</b>	<b>Good</b>	<b>Excellent</b>
Research Question, Experimental Design, Hypothesis, and Procedure  40 points	Fewer than two acceptable elements  (30 points)	Two acceptable elements  (34 points)	Three acceptable elements  (37 points)	Four acceptable elements  (40 points)
Experimental Process  20 points	Experiment produces unexpected results and is not well documented or not completed at all  (10 points)	Experiment produces unexpected results but is well documented  (14 points)	Experiment produces expected results but is not well documented  (17 points)	Experiment produces expected results and is well documented  (20 points)
Conclusion  20 points	Erroneously states that objects of different masses fall at different rates with no explanation of why they came to this conclusion  (10 points)	Erroneously states that objects of different masses fall at different rates with an explanation of why they came to this conclusion  (14 points)	Correctly states that objects of different masses fall at the same rate with no explanation of how they reached this conclusion.  (17 points)	Correctly states that objects of different masses fall at the same rate with an explanation of how they reached this conclusion.  (20 points)
Individual Participation  20 points	Student shows little participation in discussion and /or experiment  (10 points)	Student shows some participation in discussion and/or experiment  (14 points)	Student actively participates in discussion and/or experiment  (17 points)	Student takes leadership role in discussion and/or experiment  (20 points)