

# Testing Phase Report Rubric\*

Team name: \_\_\_\_\_

	<b>STRONG: 3 POINTS</b>	<b>GOOD: 2 POINTS</b>	<b>MINIMAL: 1 POINT</b>	<b>TOTAL POINTS</b>
<b>Statement of Goal</b>	Clear statement of intention of the testing	Somewhat vague statement of intention of testing	Goal not really stated	/3
<b>Explanation of Experimental Process</b>	Clear description of steps of design of models and methods of testing	Description of steps of design of test models and method of testing is short on detail and/or explanation	Very little description of design of model(s) and little to no explanation of process	/9
<b>Experimental Design</b>	Experiment designed to test only variable at a time and is run for an appropriate length of time	Experiment tests only one variable, but time length of experiment not considered	Experiment cannot determine causation of any effects because it does not isolate one variable	/6
<b>Data Management</b>	Data are always represented with appropriate units and clear labels	Data are mostly represented with appropriate units and labels	Data do not have appropriate units or labels	/6
<b>Data Manipulation</b>	Results are presented coherently with appropriate axes, labels and units	Results are mostly coherent, with some missing axes, labels and/or units	Raw data presented	/6
<b>Presentation of Results</b>	Graphs and tables clearly show the results of your testing. A clear description of interpretation of results and educated prediction as to possible errors	Graphs and tables don't clearly show the results of your testing. Interpretation of results does not show clear evidence of understanding. Minimal prediction of reasons for possible errors	Graphs and tables do not show any evidence of clear results and/or understanding. No prediction of possible errors.	/9
<b>Suggestions for further testing</b>	Clear description of suggestions for further testing or explanation of why no more testing is required	Vague description of suggestions for further testing or why further testing is not required	Minimal description of suggestions for further testing or why no further testing is required	/3
<b>Proposal for Final design</b>	Clear and strong reasoning on choices for final design based on results of research	Basic reasoning on choices for final design based on results of research	No proposal for final design/or weak reasoning	/9
<b>TOTAL</b>				<b>/51</b>

\*Presentation Rubric is the same except slides should only provide the appropriate graphs and tables without including too much reading. Each member will receive an individual grade for their part of the presentation.

\*\* Group members will also receive an instructor decided value for overall contribution to the design, construction and testing of models