Grading Rubric – Newton Scooter

Objectives:

- Demonstrate Feature techniques on Vehicle Parts
- Demonstrate Assembly techniques
- Demonstrate Drawing Techniques

	Criteria	2 pts	4 pt	6 pt	8 pt
1	Clearly demonstrates Newton's 3rd Law (Action > Reaction)	Minimally demonstrates Newton's 3rd Law	Vaguely demonstrates Newton's 3rd Law	Some elements of Newton's 3rd Law	Clearly demonstrates Newton's 3rd Law
2	Number of Parts	One Part	Two Parts	Three Parts	Four or More Parts
3	Quality of Work - Vehicle	Student did not follow many of the Project Rules, and work shows little evidence of having tested or modified the vehicle.	Student follows some of the Project Rules, and work shows evidence of having tested or modified the vehicle.	Student follows most of the Project Rules, and work shows evidence of having adequately tested and modified the vehicle.	Student follows all Project Rules, and work shows evidence of having thoroughly tested and modified the vehicle.
4	Group Participation	Student minimally participates in group discussions.	Student participates in some aspects of group discussions.	Student participates in all aspects of group discussions.	Student takes a lead in group discussions.
5	Drawings – Trimetric, Orthographic Assembly, Orthographic Parts	Drawings show little effort, missing many views, scales, and/or dimensions	Drawings show some effort, missing some views, scales and/or dimensions.	Drawings show good effort, missing one or two views, scales and/or dimensions.	Drawings show excellent effort, complete views, scales and dimensions.
Total – 40 points					
Extra Credit – Extremely innovative designs are eligible for 1- 5 points of extra credit!					