

Gravity Racers! Rubric for Motion Design Challenge

Design and Build a Gravity Powered Car

Name _____ Date _____



Investigation Rubric	Substantial Understanding 4	Adequate Understanding 3	Some Understanding Needs Improvement 2	Limited Understanding 1	No Evidence 0
The student restated the problem in his/her own words.					
The student brainstormed more than one design plans or solutions					
The student chose one design and created and labeled a blueprint sketch					
The student kept notes about problems they encountered					
The student tested the car to make sure <ul style="list-style-type: none"> ○ The vehicle was propelled solely by rolling down an inclined ramp ○ The vehicle has a chassis no smaller than 8 centimeters wide and no longer than 30 centimeters from bumper to bumper ○ The vehicle can roll down the ramp and travel for at least 100 centimeters 					
The student evaluated his/her plan					