

Name _____

Roller Coaster Design

<i>Requirement</i>	<i>Possible Points</i>	<i>Points Earned</i>
Attached starting gate	5	
Attached ending gate	5	
Pushing force	5	
Pulling force	5	
Combined force in same direction	5	
Combined force in opposite direction	5	
Change in speed	5	
Change in velocity	5	
A section of track showing mass decreasing speed (2 nd Law)	5	
A section of track showing mass increasing speed (2 nd Law)	5	
2 Places in which inertia is overcome (1 st Law)	10	
A point showing potential energy	5	
A point showing kinetic energy	5	
An example of action-reaction (3 rd Law)	5	
A point showing momentum either increasing or decreasing	5	
Safety (marbles don't fall off)	10	
Size	10	