Force and Motion Demonstration

Name_____
Date _____ Period ___ Score___ / 4

CATEGORY	4	3	2	1
Drawings/Diagrams **Details / Captions** **_____/4**	Exceptional detail:	Clear, accurate, detailed diagrams are included and make the event easier to understand. Diagrams are **labeled** neatly and accurately. Color is used to clarify the event. For example: Forces are identified with red arrows. A key is used to identify role of colors Captions accurately replicate the event in detail. Steps are outlined sequentially and are adequately detailed. Force is defined and several examples of forces explored are given. • A force is a push or pull • Gravity pulls the ball down • The cart pushes the ball upward • Gravity pulls the whipped cream toward the Earth • A push from the hand causes the whip cream to change position • Air resistance (friction) pushes against the whipped cream as it flies through the air Motion is defined and examples are given/explained. • Motion is a change in position – motion depends on perspective. • Earth is moving through space • Particles in the bowling ball are moving • The bowling ball changes position when released • The whipped cream changes position in the classroom		

Total _____