Senior Project "Project" Lewbric
"Let Go to the Movies…!!"
Template

Question	Possible Points	Your Points	Comments
1. Movie Clip 1			
A detailed narrative explaining the video clip that addresses two interrelated Physics Models (Kinematics, Force, Energy, Momentum)	25	25	
A hand-drawn color OR black and white picture of the scene in question is included	25	25	
A quantitative problem using hypothetical, but reasonable numbers is present	25	25	
The problem requires the use of the two interrelated Physics Models	25	25	
The "Find" portion of the solution includes AT LEAST TWO quantitative parts and ONE qualitative part, each part addressing one of the two physics models	25	25	
The quantitative problem is solved CORRECTLY in a standard quantitative problem solving format (Given, Find, Solution: List Equations, List Variables, Solve) (missing or incorrect units = -5 points/instance)	100	100	
2. Movie Cip 2			
A detailed narrative explaining the video clip that addresses two interrelated Physics Models (Kinematics, Force, Energy, Momentum)	25	25	
A hand-drawn color OR black and white picture of the scene in question is included	25	25	
A quantitative problem using hypothetical, but reasonable numbers is present	25	25	
The problem requires the use of the two interrelated Physics Models	25	25	
The "Find" portion of the solution includes AT LEAST TWO quantitative parts and ONE qualitative part, each part addressing one of the two physics models	25	25	
The quantitative problem is solved CORRECTLY in a standard quantitative problem solving format (Given, Find, Solution: List Equations, List Variables, Solve) (missing or incorrect units = -5 points/instance)	100	100	
3. Movie Clip 3			
A detailed narrative explaining the video clip that addresses two interrelated Physics Models (Kinematics, Force, Energy, Momentum)	25	25	
A hand-drawn color OR black and white picture of the scene in question is included	25	25	
A quantitative problem using hypothetical, but reasonable numbers is present	25	25	
The problem requires the use of the two interrelated Physics Models	25	25	
The "Find" portion of the solution includes AT LEAST TWO quantitative parts and ONE qualitative part, each part addressing one of the two physics models	25	25	
The quantitative problem is solved CORRECTLY in a standard quantitative problem solving format (Given, Find, Solution: List Equations, List Variables, Solve) (missing or incorrect units = -5 points/instance)	100	100	
4. Slopes/Areas and Models			
At least one graphical solution involving the slope of a line (derivative) is included	50	50	
At least one graphical solution involving the area under a curve is included	50	50	
All models are used at least once	50	50	
5. Commentary (1 to 2 sentences/section = 5 points; 3 or more sentences/section = 25 points)			
A rating of the FUN level of the project with justifiable reasoning is included	25	25	
A rating of the DIFFICULTY level of the project with justifiable reasoning is included	25	25	
A discussion of at least ONE Physics concept that was clarified and/or solidified are discussed with justifiable reasoning	25	25	
A discussion of at least ONE Physics concept that is still unclear/confusing is discussed with justifiable reasoning	25	25	
A general commentary of the project as a whole is included.	25	25	
Totals	**950**	**950**	**100.00%**