

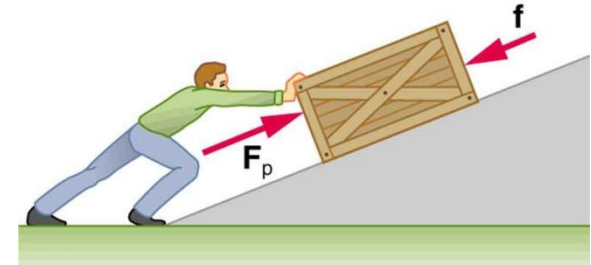
Name: \_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

## Energy, Work and Motion Project Data Sheet

### FOCUS QUESTION:

How are energy, work and motion related?

How can these relationships be demonstrated?



### STANDARDS:

- 7.1.1 Explain that when energy is transferred from one system to another...
- 7.1.5 Describe and investigate how forces between objects can act at a distance... or by means of direct contact between objects.
- 7.1.7 Demonstrate and describe how an object's speed or direction of motion ....
- 7.4.1 Understand that energy is the capacity to do work.

### DATA:

CONCEPT	INFORMATION -DEFINITION -DESCRIPTION -CONNECTIONS TO OTHER CONCEPTS	SYMBOLS AND EQUATIONS (IF APPLICABLE)	HOW CAN CONCEPT BE DEMONSTRATED?
ENERGY	TEXT #1		
	TEXT #2		
	TEXT #3		

CONCEPT	INFORMATION -DEFINITION -DESCRIPTION -CONNECTIONS TO OTHER CONCEPTS	SYMBOLS AND EQUATIONS (IF APPLICABLE)	HOW CAN CONCEPT BE DEMONSTRATED?
WORK	TEXT #1		
	TEXT #2		
	TEXT #3		
POSITION	TEXT #1		
	TEXT #2		
	TEXT #3		
REFERENCE POINT	TEXT #1		
	TEXT #2		
	TEXT #3		

CONCEPT	INFORMATION -DEFINITION -DESCRIPTION -CONNECTIONS TO OTHER CONCEPTS	SYMBOLS AND EQUATIONS (IF APPLICABLE)	HOW CAN CONCEPT BE DEMONSTRATED?
MOTION	TEXT #1		
	TEXT #2		
	TEXT #3		
DISTANCE	TEXT #1		
	TEXT #2		
	TEXT #3		
SPEED	TEXT #1		
	TEXT #2		
	TEXT #3		