

Warm up: List as many combinations of units as you can for speed

$$\frac{N \cdot s}{kg} = \frac{m}{s}$$

What have Slopes represented so far?

d = 5 peod V = acceleration *** = Area alonghor height d Jane dijaitz

Energy:

Movement or the potential for movement

Describe an energy Transform

Types of Energy

Eg=Gravitational Eg=mglo

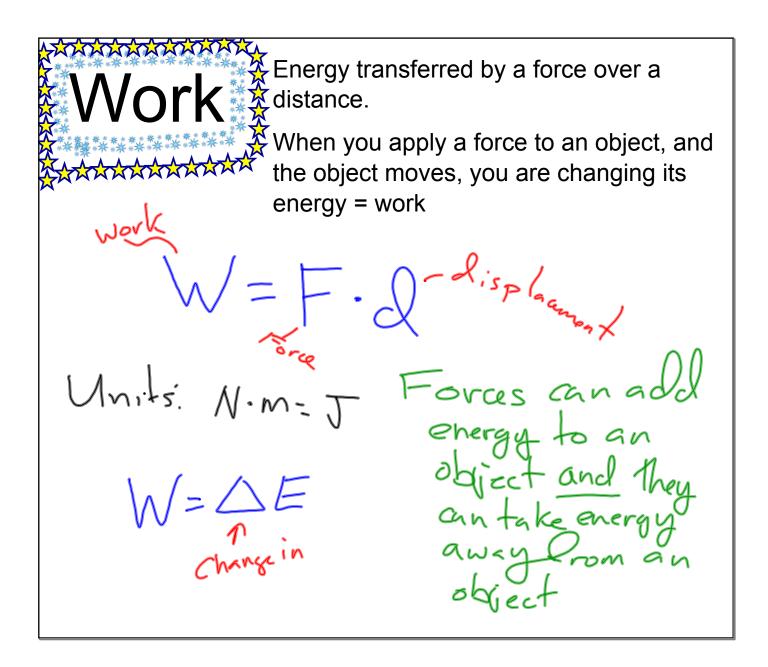
EH=Kinetic Energy - movement

Esonnol = Sounol

Ethernel = Heet

Eelestic = spring

Echemical = food



Research Que	estion: What is the velocity?	ne relationship be	etween kinetic
Hypothesis:			
يد ك		e velocity increa	ses, the
Kingl	· in a _	relatio	nship.
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Procedure:	ST PICK	EO-EK W-shop	me stick
	周	Cyt Stephod	6- +-1 V= d V= thr
Mecsurm	nts	Cal	culch
height a	4 release		= Eg = mgh
Time on distance	ground -co	ontol V	$=\frac{d}{t}$
g = 9.	en/n-control	•	

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Height Time (s) Average Undertient Velocity Ex=Eg Time (s) V=d (m) Ex=mgh (t)	