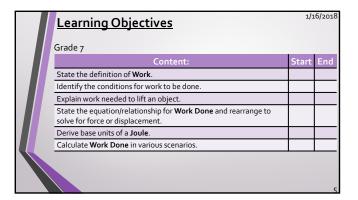
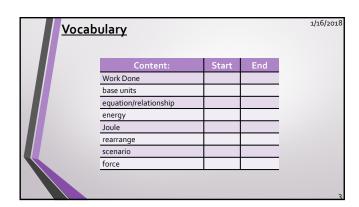


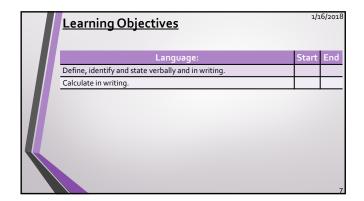
Voca	<u>abulary</u>			1/16/2018
	Language:	Start	End	
	state			
	identify			
	explain			
	definition			
	equation/relationship			
	rearrange			
	calculate			
	derive			
	various			
	scenarios			
	definition			
				4

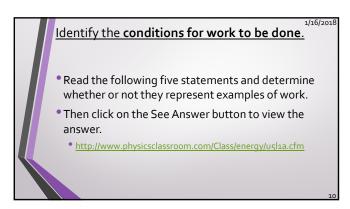


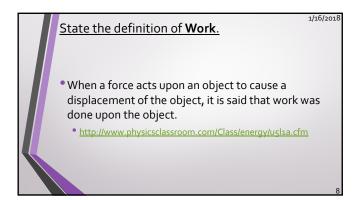


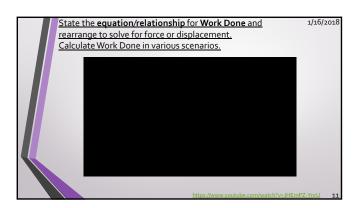


<u>Learning Objectives</u>	1/1	6/20
Grade 8		
Content:	Start	End
State the definition of Work .		
Use the full equation for work (W=Fd cos(θ)) and be able to describe the effect of the directions of the forces on the work done on an object.		
object.		





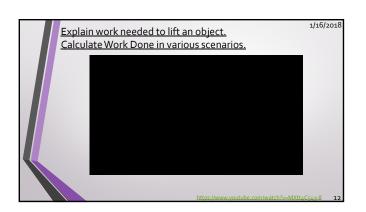


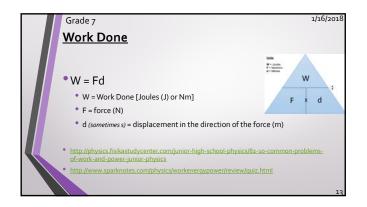


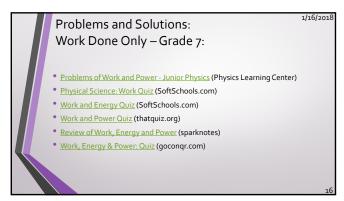
Identify the conditions for work to be done.

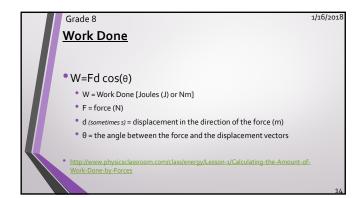
In order for a force to qualify as having done work on an object, there must be a displacement and the force must cause the displacement.

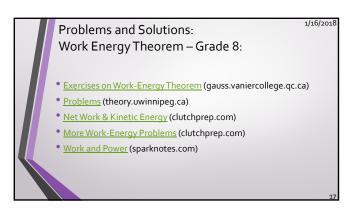
http://www.physicsclassroom.com/Class/energy/usla.cfm











Derive base units of a Joule.

One Joule is equivalent to one Newton of force causing a displacement of one meter. In other words,

The Joule (J) is the unit of work.

W = Fd

1 Joule = 1 Newton * 1 metre

1 J = 1 N * m