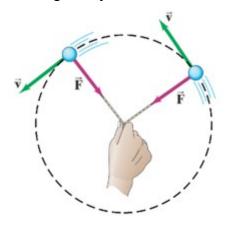
Reviewing Work and Energy SPH4U

Work is the	transferred to an object when a	moves it
through a	:	
θ $F \cos \Delta d$	θ	
	a 1.5 kg sliding across a table is brought to a stoon between the book and the table is 0.36. Wha book?	
Friction reduced the	energy of the boy:	

Example: What was the initial speed of the book?

Work and Centripetal Force Example:

A tension of magnitude 18 N is exerted on a mass of 2.0 kg to make it move in a horizontal circle of radius 1.0 m at a speed of 3.0 m/s. What is the work done on the mass during one cycle?



Work can also be done to increase the **gravitational potential energy** of an object:

Example:

On your desk you have N identical coins, each with a mass m. You stack the coins into a vertical pile to a height y. If you put one more coin on top, what will be the gravitational potential energy stored in the stack?

Textbook Questions:

p. 181 #4, 5p. 186 #4, 5

p. 191 #4



