Today we will learn about: WORK and POWER

Work, in a p	physics sense, is made of a and a
other than than what y even if you a weight, not direction as your applied	ohysics sense, is made of a
	Our work formula is $W=Fd$
ground. Ho We know:	sh on a mower with 945 N of force. The handle makes a $55^{0}$ angle with the w much work is it to mow 12 m? $945 \text{ N} = 12 \text{ m} = 55^{0} = \text{W} = ?$
Since they a	of saying Nm is (J), which is the unit of work and energy. The small, we often see them written as kJ (KiloJoules) or 1000 J.
same amou here are clea	is related to <b>work</b> . It is how fast work is done. A more powerful ther do work in the same time period, or it will finish the nt of work in a time period. The two factors involved arly: Work and Time The relationship with work is direct, with time is: Inverse!
So	the formula becomes: $P=W/t$ also written as: $P=Fd/t$
A 736 N per We know:	son runs up 20.0 m of stairs in 8.35 seconds. What is his Power? 736 N = $20.0 \text{ m} = 8.35 \text{ sec} = t$ P = ?
-	power is also better known as a (W), also seen as kiloWatts.  answer could be written as 1.76 kW
remember:	1  N.m = J and $1  J/s = W$
For homewo	ork! • Pbs A, of course