Unit 6
Work, Energy, and Conservation of Energy

$$W = Fd = mad = E = Q$$

$$PE_G = mgh$$

$$\Sigma W = \Delta KE = (1/2mv_f^2 - 1/2mv_i^2)$$

$$W_F = F_F\, d = F_N \mu\, d$$

$$Q_{level} = mg\mu d$$

$$Q_{incline} = mg\cos\theta\mu d$$

$KE = 1/2mv^2$ $PE_S = 1/2\ KX^2$ $F = -KX$

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