Physics 11

**Section 7.5: Power**

Power is the \_\_\_\_\_\_\_\_\_\_\_\_\_\_ at which \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ is done.

Anyone can do a certain amount of work if you give them enough time, but

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**Example:** Lover’s Leap is a 122 m vertical climb. The record time of 4 min 25 s was achieved by Dan Osman (65 kg). What was his average power output during the climb?

**Example:** A 1000 kg car accelerates from rest to a velocity of 15 m/s in 4 s. Calculate the power output of the engine.