Work, energy, and power

Specification reference	Checklist questions	
3.3.1 a	Can you define work done by a force and recall that the unit for work done is the joule?	☐
3.3.1 b	Can you use $W = F x \cos\theta$ to calculate the work done by a force?	☐
3.3.1 c	Can you define and apply the principle of conservation of energy?	☐
3.3.1 d	Can you describe and carry out calculations for situations involving the transfer of energy between different forms?	☐
3.3.1 e	Can you explain how transfer of energy is equal to work done?	☐
3.3.2 a	Can you define and calculate the kinetic energy of an object?	☐
3.3.2 b	Can you define and calculate the gravitational potential energy of an object in a uniform gravitational field?	☐
3.3.2 c	Can you describe the exchange between gravitational potential energy and kinetic energy?	☐
3.3.3 a	Can you define and calculate power, and recall that the unit for power is the watt?	☐
3.3.3 b	Can you use the equation $P = F v$?	☐
3.3.3 c	Can you calculate the efficiency of a mechanical system?	☐