

# High Tunstall College of Science Curriculum Intent

Subject: Trilogy Physics Year: 11

## Thread 1—Energy



	Physics Thread 1—Energy	Progress		
Topic	Key ideas	R	A	G
Energy	I can calculate kinetic energy			
	I can calculate gravitational potential energy			
	I can calculate elastic potential energy			
	I can complete multi step calculations involving more than one equation (HT)			
	I can calculate power in terms of energy transfers			

Lesson	Learning Focus	Assessment	Key Words
1	What is kinetic energy?	Completion of practice questions and application tasks	<b>Kinetic</b> , velocity, mass
2	What is gravitational potential energy?	Completion of differentiated questions, and application to a real life context	<b>Gravitational potential energy</b> , height, mass
3	What is elastic potential energy?	Calculation of elastic potential energy, and links to spring constant	Elastic potential energy, spring constant, extension
4	How do we calculate power?	Application of knowledge to practical activity	<b>Power</b> , energy transferred, force, weight, mass, time, height