

High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 7

Thread 1— Energy



	Physics Thread 1	Progress		
Topic	Key ideas	R	A	G
Energy	I can define energy			
	I can identify energy stores and systems			
	I can identify energy transfers in a variety of applications			
	I can explain how electricity is generated			
	I can identify renewable and non-renewable energy resources			
	I can evaluate the use of energy resources			

Lesson	Learning Focus	Assessment	Key Words
1	What is energy?	Identification of different energy stores and systems, and examples of these	Energy , kinetic, thermal, sound, light, gravitational, elastic
2	How is energy transferred?	Completion of practical work and differentiated activities exploring energy transfers	Transfer, store, system, Energy, kinetic, thermal, sound, light, gravitational, elastic
3	How is electricity generated?	Completion of differentiated activities explaining how electricity is generated in power stations	Fossil fuel, electricity, power station, furnace, turbine, generator
4	Which energy resource is best?	Extended writing comparing energy resources	Renewable , non-renewable, solar, wind, wave, hydroelectric, biomass