

High Tunstall College of Science Curriculum Intent

Subject: Physics Year: 8

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, and identify energy transfers			
	I can explain what it means to be energy efficient			
	I can calculate efficiency			
	I can explain ways to reduce energy loss in the home			

Lesson	Learning Focus	Assessment	Key Words
1	What can I remember about energy?	Completion on SOLO task of increasing difficulty related to energy	Energy, kinetic, thermal, sound, light, gravitational, elastic
2	How do we calculate efficiency?	Calculation task and production of Sankey diagrams	Efficiency, energy transfer, wasted, useful
3	How do we reduce energy loss in the home?	Application task looking at reducing energy loss in the home	Efficient, energy loss, insulation