Science KS3 Assessment Framework					
	Beginning	Working Towards	Expected	Exceeding	Excelling
	Grade 1	Grade 2-3	Grade 4-5	Grade 6-7	Grade 8-9
	l can:	l can:	l can:	l can:	l can:
	State how work is calculated.	State that machines change the size of forces or distances.	Apply the conservation of energy to simple machines.	Compare the work done in different scenarios and by different machines.	Evaluate results (including random and systematic errors) and suggest how the experiment can be improved.
			Calculate work done.	Explain how conservation of energy applies in one example.	
	State that thermal insulators reduce energy loss compared to thermal conductors.	Describe simply what happens in conduction and convection.	Describe how energy is transferred by particles in conduction and convection.	Explain in detail the processes involved during heat transfers.	Explain why certain materials are good thermal insulators.
Energy			Describe how a thermal insulator can reduce energy transfer.		
	State some sources of infrared radiation.	State some properties of infrared radiation.	Describe different ways to insulate in terms of conduction, convection and radiation.	Compare the different ways that energy is transferred.	Explain how thermal equilibrium can be established.
		Describe some sources of infrared radiation, and how energy is transferred.			