Physics Year 9 Spring 1

Chapter and Topic	Lesson	Outcomes
P2 Energy transfer	P2 Energy transfer	I can describe materials as good or poor thermal conductors
by heating	by conduction	I can describe the changes in the behaviour of the particles in a material as the temperature of the material increases
		I can justify the choices of a material involved in insulation or conduction using the concept of thermal conductivity and other data
Physics only	P2 Required prac – materials as insulators	
Physics only	P2 Infrared radiation	I can describe what infrared radiation is
		I can recognise the correlation between infrared radiation and temperature
		I can explain what black body radiation is
Physics only	P2 More infrared	Describe what happens to the temperature of an object if it absorbs more IR than it emits
	radiation	Explain how the temperature of the Earth is affected by IR radiation
	P2 Specific Heat	I can explain what is meant by the SHC of an substance
	Capacity	I can calculate energy changes with regard to changes in temperature
		I can explain what happens to temperature changes when the mass of a substance changes
	P2 SHC Required	•
	prac	
	P2 Heating and	Understand how homes are heated. Explain how to reduce the rate of energy transfer in a home
	insulating buildings	. Explain what cavity wall insulation is