

Year 10 The Heat is On

Week	Lesson	Topic	Resources
9	1	Intro to Energy - definitions and basic equations	The Heat Is On booklets
	2	Kinetic and Potential Energy + Equations	
	3	Stairs Practical + Calculations	Practical equipment as per RiskAssess worksheet
	4	Conservation of Energy - Skate Park Simulation	
	5	Intro to Inquiry Project	
10	6	Rollercoaster Simulation	Rollercoaster simulation worksheets
	7	Stile - Energy Conservation	Stile page
	8	Inquiry	
	9	Inquiry	
1	10	Staff Day	
	11	Ski Jump Design Practical	Ski Jump Design Practical worksheets
	12	Booklet Assignment 2 calculation questions	
	13	Ski Jump - cont.	
	14	Inquiry	
2	15	Efficiency	Workbook and Stile
	16	Efficiency, Potential and Kinetic worksheets, and global systems diagnostic	Worksheets
	17	Inquiry	
	18	Inquiry	
3	19	Do Ski Jump?	Formative prac write up
	20	Carbon Cycle + Keeping Up With Carbon video - Group task (copying carbon cycle)	Carbon Cycle Image for group task Keeping Up With Carbon video: https://www.youtube.com/watch?v=HrIr3xDhQ0E
	21	Finish Carbon Cycle + Summary	
	22	Inquiry	
	23	Nitrogen Cycle	

4	24	Human Interference in the Nitrogen Cycle	
	25	The Water Cycle + The Greenhouse Effect	
	26	Inquiry	Have Planning page done
	27	Phet Greenhouse Effect	
5	28	Greenhouse Effect - Simulation Summary	
	29	Enhanced Greenhouse Effect - Research Task	Enhanced Greenhouse Effect research worksheets
	30	Climate Change Stile	Stile - A Changing Climate: Cold Adventures
	21	Inquiry - Class discussion of methods and questions.	Part A of Inquiry Due
	32	Finish Stile	
6	33	Intro to debate task	Climate change debate worksheets
	34	Debate task research	
	35	Inquiry	
	36	Debate Presentations	