



Year 8 Science Learning Programme 4 Loric for LP4 is Initiative The values we are learning about are integrity and gratitude Integrity - Being honest and having strong moral principles Gratitude- the quality of being thankful and showing appreciation What will I be learning about in this Learning Programme? Students will learn about Energy and Forces. Where have I seen this learning before? Students will have previously learnt about forces in Year 7 and Energy in KS4.			Reading texts that pupils will study during the learning programme Week 1: Heating and cooling, Week 3: Radiation, Week 5: Work				
				What could I use it for? The content of this LP contains t	the foundation for Physics throughout KS3 and KS4.		
				In LP4.1, I will know :	10/03/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework
				the difference between energy what the thermal energy of an in terms of energy, why object	n object depends on;	I will show integrity by expressing gratitude to others.	Homework tasks are located in the Knowledge Organisers
				In LP4.2, I will know :	17/03/2025 - (WK 1)	Behaviour to support the values: STEPS/SLANT	Homework
how energy is transferred by p how to sketch diagrams to sho how a thermal insulator can re	ow convection currents;	I will show gratitude by showing my appreciation when someone does something nice.	Homework tasks are located in the Knowledge Organisers				
In LP4.3, I will know :	24/03/2025 - (WK 2)	Behaviour to support the values: STEPS/SLANT	Homework				
some sources of infrared radia	ation;						
how energy is transferred fron the different insulation metho radiation. Extended Task	m the Sun to the Earth; ods in terms of conduction, convection, and	I will show integrity by taking responsibility for my actions whether they be good or bad.	Homework tasks are located in the Knowledge Organisers				
the different insulation metho radiation.		responsibility for my actions whether they be good or bad. Behaviour to support the values:					
the different insulation metho radiation. Extended Task	ods in terms of conduction, convection, and 31/03/2025 - (WK 1)	responsibility for my actions whether they be good or bad.	Knowledge Organisers				
the different insulation metho radiation. Extended Task In LP4.4, I will know: what work is; what simple machines do;	ods in terms of conduction, convection, and 31/03/2025 - (WK 1)	responsibility for my actions whether they be good or bad. Behaviour to support the values: STEPS/SLANT I will show gratitude by completing a	Knowledge Organisers Homework Homework tasks are located in the				
the different insulation metho radiation. Extended Task In LP4.4, I will know: what work is; what simple machines do; the work needed to move obje In LP4.5, I will know: the energy content of food; the energy values of food and	ads in terms of conduction, convection, and 31/03/2025 - (WK 1) ect different distances. 21/04/2025 - (WK 2)	responsibility for my actions whether they be good or bad. Behaviour to support the values: STEPS/SLANT I will show gratitude by completing a random act of kindness. Behaviour to support the values:	Homework Homework tasks are located in the Knowledge Organisers				
the different insulation metho radiation. Extended Task In LP4.4, I will know: what work is; what simple machines do; the work needed to move obje In LP4.5, I will know: the energy content of food; the energy values of food and	ads in terms of conduction, convection, and 31/03/2025 - (WK 1) ect different distances. 21/04/2025 - (WK 2)	responsibility for my actions whether they be good or bad. Behaviour to support the values: STEPS/SLANT I will show gratitude by completing a random act of kindness. Behaviour to support the values: STEPS/SLANT I will show integrity by being reliable	Homework Homework tasks are located in the Knowledge Organisers Homework Homework Homework				
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Resources to support learning:

Kerboodle, Activate books 1 and 2 and BBC Bitesize

FFET Award Challenge for this Learning Programme:

Create your own food chain that can be found in your garden. Label the producers and consumers.