

**Year 7 Learning Map**

<b>P3 - Energy Transfer and Energy Costs</b>				
<b>Prior Learning</b> This topic builds on the Key Stage 2 Science curriculum looking at how animals and humans get the right amount of nutrition from what they eat.		<b>Current Learning</b> In this topic, you will learn about energy stores and energy transfers in everyday objects. You will learn how electricity is generated and how much this costs to use in your home. You will examine how access to energy resources can affect people’s lives.		<b>Subsequent Learning</b> This topic will link to P2 in Year 8 where you will study how energy is transferred through heat. It will prepare you for GCSE Physics, where in P1 you will study energy transfers and stores and electricity generation. It will also prepare you for P5, which will look at how energy affects things, such as breaking distances for cars.
<b>Lesson Sequencing</b>		<b>Tier 3 Vocabulary</b>	<b>Wider Reading Opportunities</b>	<b>Ways in which parents/carers can support</b>
Lesson 1	Energy at home	Thermal Chemical Kinetic Gravitational potential Dissipated Power Energy resource Non-renewable Renewable Fossil fuel	‘KS3 CPG Science Revision Guide’ contains useful revision materials for the science course.  Explore types of <a href="#">renewable energy</a> .	Encourage students to use their course home learning booklets to revise and practice key information after each lesson.  Ensure students are accessing Microsoft Teams to complete work directed by their teachers.  Watch <a href="#">Pandora’s Promise</a> .
Lesson 2	Energy stores and transfers			
Lesson 3	Energy resources to generate electricity			
Lesson 4	Renewable energy resources			
Lesson 5	Efficiency and dissipation			
Lesson 6	Moja Island energy resources			
Lesson 7	Moja Island socioeconomic factors.			
Lesson 8	Moja Island presentation			
Lesson 9	Directed improvement and reflection time			