

Subject	Year 9 Physics Content Spring Term	How to support students' learning
Conservation and Dissipation of Energy	Summary of concepts taught: <ul style="list-style-type: none"> ➤ Changes in Energy Stores ➤ Conservation of Energy ➤ Energy Dissipation ➤ Energy and Efficiency 	This should extend your knowledge from KS3 science. Review the work covered in lesson by reviewing the content found on the BBC Bitesize: Types of energy store - Changes in energy stores - AQA - GCSE Physics (Single Science) Revision - AQA - BBC Bitesize Have ago at calculating the efficiency of items: Efficiency Calculator (omnicalculator.com)
Energy Transfer by Heating	Summary of concepts taught: <ul style="list-style-type: none"> ➤ Energy Transfer by Conduction ➤ Heating and Insulating Buildings 	Conduction is a topic you will be familiar with from year 8, bump up and review your GCSE knowledge by watching this video: Conduction - GCSE Physics - YouTube Read up about how you can insulate your home and save yourself money! How to insulate your home and stay warm this winter - Energy Saving Trust
Energy Resources	Summary of concepts taught: <ul style="list-style-type: none"> ➤ Energy Demands ➤ Energy from wind and water ➤ Power from the Sun and the Earth ➤ Energy and the Environment ➤ Big Energy Issue 	EDF have a great page of information regarding energy resources: Renewable Energy Types, Forms & Sources EDF (edfenergy.com) See what you can tell your parents about how to reduce the cost of energy at home! What are the energy challenges of the future? The biggest energy challenges facing humanity - BBC Future Read about this in the article above.