

Subject: KS3  
Science

Year: 9

Ability: All



	Half-term 1		Half-term 1&2	Half-term 2
Topic	Cell Structure	Cell Transport	Atomic Structure and the Periodic Table	Energy
<b>Topic overview</b> <b>Students will learn...</b>	In this section students will learn that cells are the basic unit of all forms of life. In this section we explore how structural differences between types of cells enables them to perform specific functions within the organism.	In this section we will learn about how substances move into and out of cells in different living organisms. These processes will include diffusion, osmosis and active transport. Students will learn how to apply these cell transport processes to unfamiliar contexts and be able to interpret data linked to scientific investigations.	The development and organisation of the periodic table. How the structure of the atom determines the position of its element on the periodic table.	To recall stores and transfers of energy and apply these to systems. How to quantify changes in energy to systems and how energy is conserved and dissipated. How energy is generated and transported.

