



Science Curriculum Plan Overview

Year 7

Term	Topic	Learning	How can parents' best support
Autumn 1	Human Biology	Cells, Tissues and Organs Sexual Reproduction (linked to Life Skills)	You could watch "How the body Works" documentary from the BBC found on Youtube. Discuss how they have grown and relate topics covered to your own experiences.
Assessment:	End of unit tests		
Autumn 2	Human Biology Our Environment	Muscles and Bones Ecosystems	Take part in exercise together. Talk about using different muscles for different jobs. Watch and discuss topics about ecosystems from <ul style="list-style-type: none"> Countryfile: Sunday BBC1. Planet Earth and Planet Earth 2, Blue Planet or Blue Planet 2.
Assessment:	End of unit tests		
Spring 1	Chemical Reactions	Mixtures and Separation Acids and Bases	Cook or bake and relate the processes to chemical reactions in the kitchen. Discuss the use of acids: Vinegar for pickling and preserving vegetables. Acetic acid for flavouring sour sweets. Alkalis for cleaning in the home.
Assessment:	End of unit tests		
Spring 2	Chemistry in our World	The particle model Atoms, elements and compounds	Discuss what we think everything is made up of. Discuss new compounds being discovered or used e.g polymer £5 notes. Try to think about the advantages and disadvantages of using natural and man-made materials. Discuss what they think of single use plastics and what we could use as alternatives.
Assessment:	End of unit tests		
Summer 1	Physics – Where our energy comes from	Energy Electricity	Discuss the pro's and con's of renewable and non-renewable energy on our environment. How much do we pay for our electricity?
Assessment:	End of unit tests		
Summer 2	Physics- How stuff works	Forces Sound	Think about and discuss what forces act on us in daily life: Forces that keep us on the ground, forces that stop us slipping when we walk. Why we wear snow shoes or ice skates? Discuss sound and how we can hear it. Discuss how it can be affected by age or illness.

