



Science Curriculum Plan Overview

Year 8

Term	Topic	Learning	How can parents' best support
Autumn 1	Breathing and Respiration	Breathing and water sports Gas exchange Fitness	Discuss the importance of fitness and the effect it has on your body. Revise the topic using BBC bitesize http://www.bbc.co.uk/education/guides/zq349j6/revision
	Food and Digestion	Balanced diets Digestion Nutrients in our food	Look at nutritional guidance on food packaging. Promote a healthy diet and healthy swaps in your diet.
	Human Reproduction	Changes during Puberty The menstrual cycle	
Assessment :	End of unit test		
Autumn 2	Variation- Adaptations	Identifying differences. How animals adapt to a range of environments	Watch Nature shows on iplayer eg Dynasties BBC iPlayer - Dynasties BBC iPlayer - Planet Earth - 1. From Pole to Pole
	Biodiversity	Why we need to maintain it.	
	Inheritance	How characteristics are passed on.	Discuss family traits or similarities passed down. Look at past generations and identify dominant features.
Assessment :	End of unit test		
Spring 1	The Periodic Table- Metals and non-metals	What is it? Physical and chemical trends. How it is organised? What it tells us?	Discuss what things are made of. Think about what could be used instead. Think about the advantages and disadvantages of using natural and man made materials.
	Energy	Where energy comes from.	Discuss where we get our energy from?
Assessment :	End of unit review		
Spring 2	Types of Reactions.	Recall reactions in everyday activities eg burning fuel	BBC iPlayer - Greta Thunberg: A Year to Change the World
	Global Warming	How global warming is affecting our planet.	BBC iPlayer - Climate Change: Ade on the Frontline BBC iPlayer - Celebrity Supply Teacher - Series 2: 9. Hugh Fearnley-Whittinghall - Science
	Recycling	The importance of recycling.	

Assessment :	End of unit review		
Summer 1	Forces and Motion	What is a force? Examples of contact and non- contact forces.	http://www.bbc.co.uk/education/guides/zwwmxnb/revision
	Electricity and Magnetism	How electricity is generated and everyday uses of electricity	http://www.bbc.co.uk/education/guides/zttfyrd/revision http://www.bbc.co.uk/education/guides/z3g8d2p/revision
Assessment :	End of unit review		
Summer 2	Work Heating Waves	How work is done? How heat travels. Longitudinal and transverse waves.	BBC iPlayer - Absolute Genius with Dick and Dom