



Science Curriculum Plan Overview

Year 8			
Term	Topic	Learning	How can parents' best support
Autumn 1	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.
	Plants: Growing our own Food	Useful plants How we use them?	Grow a vegetable to eat in the kitchen. Ask students to identify parts of the plant and what they do.
Assessment:		End of unit test	
Autumn 2	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
	Unicellular Organisms	Fungi, Bacteria and Protoctists	http://www.bbc.co.uk/education/guides/y2hqv4/revision Discuss the importance of cleaning our hands before eating. Discuss the way diseases can be transferred and how we fight disease.
Assessment:		End of unit test	
Spring 1	Space	The Galaxy The Solar System	NASA Watch any NASA/Space X developments in the news and discuss why we research our solar system?
	Earth	Seasons The Structure of the Earth Rocks Types	
Assessment:		End of unit review	
Spring 2	Rocks and Weathering	Weathering	Discuss what rocks we use every day, marble, granite, sandstone? Discuss rocks that you see out when walking?
Assessment:		End of unit review	
Summer 1	The Periodic Table- Metals and non-metals	What is it? Physical and chemical trends.	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.
		How it is organised? What it tells us?	
Assessment:		End of unit review	
Summer 2	Forces and Motion	What is a force? Examples of contact and non- contact forces.	http://www.bbc.co.uk/education/guides/zwxmxb/revision
	Electricity and Magnetism		http://www.bbc.co.uk/education/guides/ztfyrd/revision http://www.bbc.co.uk/education/guides/z3g8d2p/revision