

Science Topics 2011-2012

	Year 3	Year 4	Year 5	Year 6
<i>Chemistry</i>	Materials and their Properties What materials are made of - linking properties with uses	Separating Solids & Liquids States of matter - mixtures - solutions - filtering - reversible changes	Properties of Gases Types and uses of gases in everyday life - oxygen - carbon dioxide - helium - nitrogen	Separating Materials Solutions - mixtures - dissolving - filtering - evaporation
	Rocks & Soils Rock types - rock cycle - soil formation - permeability - durability	Keeping warm Heat energy - thermal conductors and insulators	Changing State - Water Melting - freezing - evaporation - condensation - water cycle - water conservation	Reversible/Irreversible Changes Rusting - heating - burning
<i>Biology</i>	Teeth and Eating Food groups - human digestive system - diet - dental health	Moving and Growing Skeletons - muscles - joints - effects of exercise	Circulation Heart - lungs - blood - pulse	Micro-organisms Helpful and harmful microbes - yeast - compost - decay - disease - medicine
	Helping Plants Grow Well Function of leaves, roots, stem, flowers - photosynthesis - pollination	Habitats Who lives where and why - adaptations - food chains	Life Cycles - Plants Life processes - flower - reproduction - pollination - seed dispersal - germination	Interdependence and Adaptation Evolution - food chains - food webs
<i>Physics</i>	Magnets and Springs Magnetic forces - springs - attract - repel	Circuits & Conductors Circuit symbols - conductors - insulators - switches - plugs	Sound Vibration - how sound travels - musical instruments - pitch - volume	Circuits Symbols - diagrams - series and parallel circuits - resistance
	Light & Shadows Sun - night and day - shadows - transparent - opaque - translucent	Friction & Resistance Friction - air resistance - water resistance	Earth, Sun and Moon Rotation and orbit of Earth - seasons - phases of moon - Solar System - constellations	Astronomy Make a simple telescope and a planisphere for investigating space