



Copthorne Science Curriculum Long Term Plan: Year 5



Theme/Timescale (number of weeks/term etc.)	Theme	National Primary Curriculum 2014 Science coverage
8 Weeks September	To Infinity and Beyond	<ul style="list-style-type: none">-Describe the movement of the Earth, and other planets, relative to the Sun in the solar system.-Describe the movement of the Moon relative to the Earth.-Describe the Sun, Earth and Moon as approximately spherical bodies.-Use the idea of the Earth's rotation to explain day and night and apparent movement of the sun across the sky.
7 weeks November	All Change (4 Weeks)	<ul style="list-style-type: none">-The difference between reversible and non-reversible changes.-Exploration of rocket fuels.-Gas produced as a bi-product of non-reversible changes.
6 weeks January	Everyday Materials	<ul style="list-style-type: none">-Group and compare together everyday materials on the basis of their properties (hardness, solubility, transparency, conductivity and response to magnets).-Some materials will dissolve in liquid to form a solution.-Separation through filtering, sieving and evaporating.
6 Weeks March	Feel The Force	<ul style="list-style-type: none">-Unsupported objects will fall towards Earth because of the force gravity acting between the Earth and the falling object.-Effects of air resistance, water resistance and friction, that act between moving surfaces.-Mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
6 weeks May	Reproduction- Plants/Animals	<ul style="list-style-type: none">The reproduction of flowering plants and to recognise flowers on different plant (seeds).-Explore how mammals, amphibians and birds reproduce.-The maturity of girls and boys.
7 weeks June	Circle of Life	<ul style="list-style-type: none">-Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.-Describe the life process of reproduction in some plants and animals.-Describe the changes as humans develop to old age.