

Other Science enquiry

	Year 1 Seasonal Changes	Year 2	Year 3	Year 4	Year 5 Earth and Space	Year 6 Evolution and Inheritance
Investigations	Are there plants that are in flower in every season? What are they?				Effects of planets rotation patterns and orbiting around the sun.	
Working scientifically <ul style="list-style-type: none">Research	How can you look after a plant to help it live for longer?				How have our ideas about the solar system changed over time? What unusual objects did Jocelyn Bell Burnell discover (linked to radio pulsars and 'rapidly spinning neutron stars)?	What happened when Charles Darwin visited the Galapagos islands?
Working scientifically <ul style="list-style-type: none">How scientific ideas have changed over time					How have our ideas about the solar system changed over time? How is astronomer and planetary scientist Sara Seager changing our ideas about the universe?	What ideas did American geneticist Barbara McClintock have about genes that won her a Nobel Prize?
Working scientifically <ul style="list-style-type: none">Identifying and classifying	How would you group these things based on which season you are most likely to see them in?				How could you organise all the objects in the solar system into groups? Can you observe and identify all the phases in the cycle of the Moon?	Can you classify these observations into evidence for the idea of evolution, and evidence against?
Working scientifically <ul style="list-style-type: none">Pattern seeking	Does the wind always blow the same way?				Is there a pattern between the size of a planet and the time it takes to travel around the Sun?	

Working scientifically <ul style="list-style-type: none"> • Observing over time 	How does the colour of a UV bead change over the day?					
Working scientifically <ul style="list-style-type: none"> • Comparative tests 	In which season does it rain the most?				How does the length of daylight hours change in each season?	What is the most common eye colour in our class?
Working scientifically <ul style="list-style-type: none"> • Fair tests 	How does the amount of sun a plant gets affect its growth?					
Specialist Vocabulary	Summer, winter, autumn, spring, day, daytime, wind, rain, snow, sleet, fog, sun, hot, warm, cold.				Earth, moon, sun, planets, space, solar system, Mercury, Venus, Mars, Jupiter, Saturn, Uranus, Neptune, Pluto, dwarf planet, rotate, orbit, axis, celestial body, spherical, eclipse, satellite, universe, solar,	Living things, change, fossils, offspring, vary, non identical, characteristics, variation, evolution, adaptation, inherit, inheritance, adapt, environment, extreme, conditions, advantageous, disadvantageous.
Equipment to be used						