


Subject Overview - Science

	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 1	<ul style="list-style-type: none"> Carry out simple investigations. Ask questions and try to find answers. 	<ul style="list-style-type: none"> Structure of plants Compare birds and mammals Material properties Compare seasons 	<ul style="list-style-type: none"> Introduce simple tables and sort/ classify results. 	<ul style="list-style-type: none"> Classify evergreen & deciduous trees. Describe animals Investigate house materials Effects of seasons 	<ul style="list-style-type: none"> Introduce simple charts using observations to answer questions. 	<ul style="list-style-type: none"> Identify fruit and vegetables Classify animals Classify materials Explore appropriate clothing choices
Year 2	<ul style="list-style-type: none"> Perform simple tests and take some readings. Describe how to find answers. 	<ul style="list-style-type: none"> Explore plant needs Explore habitats Group by differences Garden food chains 	<ul style="list-style-type: none"> Be able to interpret and make pictograms Identify and classify differences. 	<ul style="list-style-type: none"> Grow plants Healthy balanced diet Ocean food chains 	<ul style="list-style-type: none"> Measure the mass of objects making observations. Show results in tables. 	<ul style="list-style-type: none"> Survival of plants Basic needs for life Explore micro habitats
Year 3	<ul style="list-style-type: none"> Ask relevant questions. Plan experiments with fair tests. Draw conclusions 	<ul style="list-style-type: none"> Plant functions Animal functions Group rocks Explore light Explore magnets 	<ul style="list-style-type: none"> Make predictions and draw conclusions. Draw and label diagrams. Look for trends. 	<ul style="list-style-type: none"> Plant reproduction Food functions Explore fossils Explore shadows Suggest magnet uses 	<ul style="list-style-type: none"> Produce bar charts. Suggest improvements for investigations and raise questions. 	<ul style="list-style-type: none"> Seed dispersal & plant differences Contrast diets Compare soils Investigate shadows
Year 4	<ul style="list-style-type: none"> Ask relevant questions. Plan and set up fair test investigations. Use scientific language. 	<ul style="list-style-type: none"> Identify vertebrates Explore teeth Solids, liquids & gases Explore sound Build circuits 	<ul style="list-style-type: none"> Use standard units correctly. Look for similarities and differences. 	<ul style="list-style-type: none"> Classify vertebrates Name internal organs Investigate evaporation Investigate sound Investigate circuits 	<ul style="list-style-type: none"> Use secondary evidence. Use evidence to suggest improvements for investigations. 	<ul style="list-style-type: none"> Effects of pollution Digestive system function Changes of state Identify conductors
Year 5	<ul style="list-style-type: none"> Measure accurately. Look at scientific change over time. Use results to predict. 	<ul style="list-style-type: none"> Life cycle of amphibian Soluble & burning 8 planets of solar system Gravity/ force/ friction 	<ul style="list-style-type: none"> Learn about dependent and independent variables. 	<ul style="list-style-type: none"> Various life cycles Reversible/irreversible Day and night Resistance/pulleys/levers 	<ul style="list-style-type: none"> Use secondary scientific evidence. Study the work of famous 	<ul style="list-style-type: none"> Plants & pollination Changes & puberty Material conductivity Effects of the sun Investigate gears
Year 6	<ul style="list-style-type: none"> State range & intervals being recorded. Produce and interpret data. Understand reliability. 	<ul style="list-style-type: none"> Features of vertebrates Nutrients/ Circulatory system/heart Evolution/ adaptation Draw shadows/ rays Investigate circuits 	<ul style="list-style-type: none"> Ensure tables have units. Write conclusions with scientific reasoning. (state why) 	<ul style="list-style-type: none"> Explore 3 main kingdoms Heart & lung function Investigate adaptation Explore vision/light Switches and conductors 	<ul style="list-style-type: none"> Develop scale and if appropriate attempt line graphs. Start to evaluate practical methods. 	<ul style="list-style-type: none"> Classify non flowering plants Artery & vein function Theory of evolution Explain periscopes Draw accurate circuits

Our Science is taught in a spiral manner. Children are introduced to each topic three times throughout the year.