

Foxhills Junior School: Science Curriculum Overview.

At Foxhills Infant and Junior Schools, we have worked with the support of the Hampshire frame work for Science to organise our science curriculum based on the knowledge required. Introducing it sequentially, allows us to ensure that our children’s abilities to make links and draw upon pre-existing knowledge is supported and developed, therefore making it more likely that what they are learning, moves into their long-term memory. This leads to a deeper understanding of the concepts taught. The Science Learning Journey units have been carefully ordered to ensure maximum opportunities for progression both within years and across years.

The children revisit each scientific domain each year building on their previous knowledge. The children increase their working scientifically skills in each domain as they progress through the year groups. Find below the order in which we work through the scientific domains.



	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
Year R	Animals	Plants	Seasons		Natural world (animals and plants)	Natural processes (changes of matter)
Year 1	Materials		Animal survival Human body and senses		Seasons They have seen the different seasons change over the whole year at this point.	Plants In S2 to be the right time of the year to see the plants grow.
Year 2	Changing materials	Animal survival	Animal life cycles	Habitats	Making new Plants In S1 so that they are able to plant and watch the plants grow for a term.	How to keep the body healthy Preparing them for transition up to year 3, looking after themselves.
Year 3	Animals, Skeletons and Movement Links to S2 yr2 and food health for transition	Magnets To learn new working scientifically knowledge	Magnets To learn new working scientifically knowledge	Light Follows on using the same working scientifically skills. Need to learn for plant food production.	Rocks and soils To know for plants in S2	Plants and their food production Builds on from rocks and soils and is the right time of year.
Year 4	Animals including humans (digestion) Following on from plant cycles in year 3.	States of matter They need to understand about condensation before learning the water cycle in geography Sp1	Sound A year since they last did physics and builds on something they haven't done since year R.	Electricity New knowledge and has lots of time for children to build and safely use their skills from previous working scientifically.		Living things and habitats (environment change) In S2 so that they are able to go out and explore their local environment and they have then witnessed the changes over the year.
Year 5	Properties and changes of materials A year since chemistry in year 4		Forces Before earth and space to help understanding	Earth and space After forces	Living things and habitats (life cycles) A year since learning in year 4 for retrieval	Animals including humans (changes in age) Talk about puberty knowledge in preparation for year 6.
Year 6	Living things and their habitats (classifying) Follows on from the end of year 5 knowledge	Evolution and inheritance Need knowledge about classification before.	Electricity	Light	Animals including humans (circulation and healthy bodies)	