Derwent & Southill Federation Curriculum Map
Science
Resources used:

Key	Class	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Early Years	Understanding the World: The Natural World Use all senses in hands-on exploration of natural materials Explore collections of materials with similar and/or different properties Talk about changes Talk about what they see using a scaffolded increasingly wide vocabulary Plant seeds and care for growing plants Understand the key features of the life cycle of an animal Understand the need to care for and respect the natural environment and living things Explore and talk about different forces they can feel						
Early Years - Year A	Year A - The Natural World	Where we live. Where we go to school. How we get to school. How we can look after the world. Children will compare The 3 Little Pigs (who all come from the same household but have different ideas).	Looking at the different seasons, linking to time in maths. Look at how different countries celebrate Christmas.	Children talk about their own immediate environment and how it is different to other peoples.	Children make observations about animals and plants and are inquisitive as to why there are similarities and differences. Children will compare different animals – understand that different animals live in different habitats. Drawing a habitat using 2PaintAPicture in Computing.	Children know that the environment and living things are influenced by human activity. Children can describe the actions of some people in their community that help maintain the areas they live in – building the mini-beast hotel, looking after the world around us.	Children know the properties of different objects and suggest purposes for them. Children are familiar with basic scientific concepts - sinking and floating activity.
Early Years - Year B	Year B - The Natural World	Learn about the immediate environment using the 5 senses: go on a senses walk around the school grounds and comment on what they can we see, hear, smell, touch, taste (snack time) and begin to	Learn what a habitat is and identify different habitats Begin to understand why different animals live in different habitats Learn some ways that animals have adapted to be able to survive in	Learn about our planet and begin to understand its place in the Solar System Make simple comments on some of the similarities and differences they observe between the 8 different planets in the Solar	Learn about the properties of some materials – investigate materials to build a house for the little pigs and a cape for Little Red Riding Hood) Investigate changing states of matter	Investigate floating and sinking: investigate different types of materials that float and sink Explore air and noise pollution caused by different modes of transport	Identify different habitats in a garden - build a mini beast hotel Make observations and begin to identify the different stages of the life cycle of the butterfly Understand the importance of
Key Stage One	Year 1 Southill Year A	The Human Body	Materials	Seasons and Weather	Taking care of the Earth	Identifying plants	Animals and their needs
	Year 2 Southill Year B	The Human Body	Plants	Electricity	Astronomy	Materials and matter	Living Things and their Environments

Lower Key Stage Two	Year 3 Southill Year A	Rocks	Cycles in nature	Plants	Light	Forces and Magnets	The Human Body
	Year 4 Southill Year B	States of matter and the Water Cycle	Electricity	Sound	Ecology	Classification	The Human Body
Upper Key Stage Two	Year 5	Materials	Human Body - Growth Stages	Living Things	Astronomy	Forces	Meterology
	Year 6	Human Body Circulatory system	Classification of living things (II)	Electricity	Light	Reproduction	Evolution and Inheritance