Year One	Intent	Implementation	Impact
	It is our intention all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes. Scientific vocabulary will be embedded within a broad and balanced curriculum.	In ensuring high standards of teaching and learning in science, we implement a curriculum that is progressive throughout the whole school. The school gives full coverage of, ‘The National Curriculum programmes of study and ‘Understanding of the World’ in the EYFS. Teachers will build on our children’s natural curiosity developing a scientific approach to problems. We promote the skills of investigation, observing, predicting, experimenting, communicating, interpreting, explaining and evaluating and develop the use of scientific language, recording and techniques.	The impact and measure of this is to ensure children not only acquire the appropriate age related knowledge linked to the science curriculum, but also skills which equip them to progress from their age related starting points, and within their everyday lives.

Plants	Animals including humans	Everyday materials	Seasonal changes	Awe and wonder
I can identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.	I can identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.	I can distinguish between an object and the material from which it is made	I can observe changes across the four seasons.	I can learn about the inventions of Lego and ear muffs, and will explore the materials used to make them. LINKS TO MATERIALS
I can identify and describe the basic structure of a variety of common flowering plants, including trees.	I can identify and name a variety of common animals that are carnivores, herbivores and omnivores	I can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock	I can observe and describe weather associated with the seasons and how day length varies.	I can find out about the work of animal scientists, such as vets and zoo keepers. LINKS TO ANIMALS INCLUDING HUMANS

I can compare and contrast familiar plants; describing and grouping them.	I can describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	I can describe the simple physical properties of a variety of everyday materials	I can make tables and charts about the weather.	I can investigate a variety of activities through experimentation.
I can draw diagrams showing the parts of different plants.	I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	I can compare and group together a variety of everyday materials on the basis of their simple physical properties.		

Key Stage One
Year One

Key Stage One National Curriculum Aims

During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

- Asking simple questions and recognising that they can be answered in different ways
- Observing closely, using simple equipment
- Performing simple tests
- Identifying and classifying
- Using their observations and ideas to suggest answers to questions
- Gathering and recording data to help in answering questions.