

# Butler's Hill End Goals



## End Goals Science

### EYFS

Our aim in teaching Science is to foster pupils' curiosity about the world around them. By the end of this phase, pupils should be able to use their senses to investigate a range of materials and should be starting to become familiar with the concept of natural and man-made materials and changes in matter. Pupils should be able to talk in simple terms about how plants and animals change over the course of their life cycles and observe the growth of a plant from seed to full development. Pupils should recognise that humans and animals require a suitable place to live and need food and water to survive. By the end of this phase, they should also be aware of seasonal changes and be able to have conversations about what they see, hear and feel outdoors. Pupils should be able to start making comparisons between two or more things e.g. objects, animals, recognising similarities and differences between them.

### KSI

Our aim in teaching science in is to embed and build on learning from EYFS by beginning to develop their ability to work more scientifically. By the end of this phase, pupils should be able to write basic methods for experiments and use some simple equipment to observe and record their findings. They should also be able to make predictions, with reasons for their ideas, before proceeding with an experiment. Pupils should be able to draw on some of their mathematical skills to create charts from data collection and use this data to draw conclusions. Pupils should be able to use a wider range of scientific vocabulary in both their class discussions and written work. We believe that learning in science develops through the experience and development of scientific concepts in incremental steps in each phase.

They should also have a secure knowledge of what animals and plants need to survive and be able to classify things that are alive and those that are not. Pupils should also be able to explain in more detail the process of growing plants from seeds and bulbs, using a wider scientific vocabulary. When working with materials, pupils should be able to distinguish the difference between an object and material/s it is made from. They should also be able to conduct some simple experiments on the suitability of certain materials for different uses.

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