



Biology Unit: Evolution & Inheritance

What does progression of knowledge look like at St Leonard's?

Year	Progression of knowledge:
EYFS	<ul style="list-style-type: none">● Exploring ideas around me and my friends, we are all the same and we are all different● Exploring differences between different animals or plants● Role play- families, babies and development and caring for a young baby
6	<ul style="list-style-type: none">● Recognise that living things have changed over time and that fossils provide information about living● Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents● identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution● State what is meant by the term evolution● Identify work done by Charles Darwin, Alfred Wallace, Mary Anning and John Edmonstone.
KS3 (NC)	<ul style="list-style-type: none">● Heredity as the process by which genetic information is transmitted from one generation to the next● A simple model of chromosomes, genes and DNA in heredity, including the part played by Watson, Crick, Wilkins and Franklin in the development of the DNA model● Differences between species● The variation between individuals within a species being continuous or discontinuous, to include measurement and graphical representation of variation● The variation between species and between individuals of the same species means some organisms compete more successfully, which can drive natural selection● Changes in the environment may leave individuals within a species, and some entire species, less well adapted to compete successfully and reproduce, which in turn may lead to extinction● The importance of maintaining biodiversity and the use of gene banks to preserve hereditary material