Progression of knowledge science – Evolution and Inheritance (Biology)

Threshold Concepts This concept involves understanding that organisms come into existence, adapt, change and evolve and become extinct.	Year 2	Year 3	Year 6
KS 1 • Identify how humans resemble their parents in many features. LKS2 • Identify how plants and animals, including humans, resemble their parents in many features. • Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. • Identify how animals and plants are suited to and adapt to their environment in different ways. UKS2 • Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago. • 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	LINKS TO ANIMALS AND HUMANS UNIT 2	• Links to Materials unit 3	• State what is meant by the term evolution. • State the evolution occurs over a long period of time (for multi cellular organisms) • Recall how fossils are formed. • Identify why species show variation. • Explain how animals and plants are adapted to their environment. • Explain what a habitat is. • Identify work done by Charles Darwin, Alfred Wallace, Mary Anning and John Edmonstone. • State the environment humans evolved in. • Explain how geographical location has resulted in the evolution of a spectrum of skin colours.

that adaptation may lead to evolution.			

Progression of skills to KS3 are detailed on evolution and inheritance/ trust science sheets

 Links from Reception Development Matters are detailed on the Reception Termly Planning Document