



Lickey Hills Primary School and Nursery
Curriculum Overview - Science

TOPICS					
EYFS	Marvellous Me: It's My Body! Children will learn about themselves, their bodies and senses and keeping healthy.		All Things Bright and Beautiful: Wake Up, World! Children will explore the natural world around them, including the changing seasons and life emerging from winter.		Underground, Overground: It's Our Planet! Children will continue to explore the natural world with a focus on our oceans and how we can protect our world.
Year 1	Super Senses Children will explore the external parts of the human body and associated senses.	Wonderful Weather Children will observe and talk about changes in the weather and the seasons.	Marvellous Materials Children will explore, name, discuss and raise and answer questions about everyday materials so that they become familiar with the names of materials and properties.		Nature Explorers Children will use our local environment to explore and answer questions about plants and animals in their habitats.
Year 2	The Voyage of the Beagle Children will be introduced to the idea that all living things have certain characteristics that are essential for keeping them alive and healthy, including the basic needs of animals for survival, as well as the importance of exercise and nutrition for humans.		Marvellous Materials Children will identify and discuss the uses of different everyday materials, thinking about the properties of materials that make them suitable or unsuitable for particular purposes.		Nature Explorers Children will use our local environment to observe how plants grow and survive as well as exploring the animals that depend on them.
Year 3	Remarkable Rocks Children will explore different kinds of rocks and soils, including how the different rocks found in Worcestershire formed.	Amazing Anatomy: The Skeletal System Children will continue to learn about the importance of nutrition and should be introduced to the main body parts associated with the skeleton and muscles.	Light Fantastic Children will explore how light reflects off a mirror or other reflective surfaces as well as investigate shadows and how they are formed.	Fantastic Forces Children will build on their learning of forces in Year 2 as well as observe that magnetic forces can act without direct contact, unlike most forces.	Brilliant Botany Children will build on their learning from Year 2 by exploring the relationship between structure and function: the idea that every part of a plant has a job to do.
Year 4	Sensational Sound Children will explore and identify the way sound is made through vibration in a range of musical instruments and how we change the way it sounds.	Exciting Electricity Children will construct and investigate simple series circuits using a range of different components.	Magnificent Matter Children will explore a variety of everyday materials and develop simple descriptions of the states of matter and their role in the water cycle.	Amazing Anatomy: The Digestive System Children will be introduced to the main body parts associated with the digestive system and understand their special functions.	Life Lab: Environments Children will use their local environment to raise and answer questions that help them to identify and study plants and animals in their habitat.
Year 5	Fantastic Forces Children will build on their learning about forces in Year 3 by exploring falling objects as well as ways in which we can increase the effect of a force.	Spectacular Space Children will be introduced to a model of the Sun and Earth that enables them to explain day and night, the seasons and the phases of the moon.	Clever Chemistry Children will build a more systematic understanding of materials by exploring and comparing the properties of a broad range of materials as well as exploring reversible and irreversible changes.		Life Lab: Life Cycles Children will build on their prior learning by exploring and comparing the life cycles of different animal groups, plants and humans.
Year 6	Life Lab: Classification Children will build on their learning about grouping living things in Year 4 by looking at the classification system in more detail.	Extraordinary Evolution Children will build on what they learned about fossils in the topic on rocks in Year 3 and find out more about how living things on earth have changed over time.	Light Fantastic Children will build on the work on light in Year 3, exploring the way that light behaves, including light sources, reflection and shadows.	Exciting Electricity Children will build on their work in year 4, constructing simple series circuits to help them to answer questions about what happens when they try different components.	Amazing Anatomy: The Circulatory System Children will build on their learning from Years 3 and 4 about the main body parts to understand how the circulatory system enables the body to function.