

Fritwell Primary School Science LTP 2019/20



Threshold concepts: 1. Working Scientifically (continuous throughout each milestone); 2. Biology 3. Chemistry 4. Physics

Biology coverage of plants, animals and humans, living things and evolution/inheritance

Chemistry coverage of materials

Physics coverage of motion, Earth in space, sound, light and electrical circuits

Science Week in June will cover Diversity

	Autumn term	Spring term	Summer term
EYFS	All Around Me/Robots Materials for making my robot Living things and humans	Wonderful World/ Transport Motion – <i>moving vehicles</i> Living things seasonal change – <i>Spring</i> <i>Also covers physics</i>	Mini-beasts/Heroes Materials – <i>perfect superhero cape</i> Animals and Plants – <i>exploring animals</i>
Y1/2 Sticklebacks	Fire and Ice Materials – <i>solids to liquids, melting and freezing</i> Seasonal Change – <i>Summer to Autumn</i>	No Place Like Home Understanding animals and humans - <i>life cycles, what animals need for survival, tadpoles, butterflies and egg hatching</i>	Secret Garden Wild & Wonderful creatures - <i>micro habitats, living things, safari hunt</i> Growing Things – <i>cress, potatoes, beans – what do they need to survive?</i>
Y2/3 Seahorses	The Stone Age This Planet Rocks – <i>sedimentary, metamorphic and igneous rocks, soils and motion of the Earth</i>	Australia Light – <i>shadows, transparent, opaque, translucent</i> Magnetic Fun and Games – <i>magnets and pushes/pulls</i>	Extinction Habitat Helpers – <i>adaptation, climate change and disappearing Earth</i> Artful flowers, fruits & seeds - <i>flowers, seeds and seed dispersal</i>

Y3/4 Stingrays	Water <i>States of matter – solids, liquids and gases</i> <i>Living Things & Food Chains – animals and predators/prey</i>	A Roman Adventure <i>Sound – parts of the ear, pitch, tone and soundwaves</i> <i>Space Presenters – Earth in Space, forces</i>	Disasters <i>Electric Personalities – conductors, insulators and designing own circuits</i> <i>Feast of Flowers, Fruits & Seeds – pollination, dispersal and perfect conditions for growth</i>
Y5/6 Sharks	Evolve! <i>Living & Growing – Life Cycles</i> <i>Evolution – Survival of the fittest, adaptation and evolution</i>	Alpha and Omega <i>The Digestive System - the journey of digestion, naming parts of the human body (inclu. Teeth) and diet</i> <i>Theatre Light Technicians – illusions, reflections and colour</i>	Diversity <i>The Science of Sport – classification keys, the human body, forces and light</i> <i>Music Festival Materials – properties of materials, including food, electrical and sound challenges</i> <i>Included this term RSE sessions for Y5 and 6 on sexual reproduction and puberty</i>