

## Science

Here at St Mary's We have a 3 year rolling programme to ensure all children have the opportunity to explore each area of the National Curriculum. Children will explore each area of the National Curriculum across the different key stages. This curriculum is flexible to respond to the children, national and world events. Where possible our whole school topics link with other areas of the curriculum in a relevant and creative way.

Cycle C **Science** working scientifically is taught through the subject contexts.

	Autumn	Spring	Summer
First half	<p><b>Star gazers. Science Space Dome</b>            KS2 Sound &amp; Light            KS1 To Infinity and Beyond (Space) Day and night, seasonal changes.            KS2 Our planet in the solar system, simple orbits.            Physical features on our planet. Physical geog in natural disasters and events such as earthquakes and eruptions.            KS1 My place in the World - a local study.</p>	<p><b>We are warriors/Superheros</b>            Florence /Romans            KS1 seasonal change - including day length, British flora and fauna (ongoing all year)            Staying Alive!! Animals, including humans.            KS2 Forces and magnets.            KS2 Locational Knowledge - Europe, rivers and capital cities - Roman Empire.            Italy today. Simple settlements - the Romans in Dorset.</p>	<p><b>Wriggle and crawl.</b>            KS1 Materials - suitability for use.            You vs Wild            Squash, Bend, Twist, Stretch            Living things and their habitats, micro habitats, animal classification and food chains. How is suited to life in that habitat?            KS2 Animals including humans, living things and local habitats including microhabitat.            Classification and food chains - predator/prey. Simple adaptation.            Effect of change in a habitat.            KS1 Compare small region of UK with region of Europe.</p>
Second half	<p><b>Materials - Grand Designs</b>            KS1 - brilliant builders, compare materials and their properties testing times, keep me warm, dry, etc. Clean this water.            KS2 Animals including humans - healthy diet, skeletons, teeth, nutrition and digestive system.</p>	<p><b>Wild weather.</b>            KS1 Seasonal changes - ongoing            KS2 Rocks and fossils &amp; Electrical circuits.            KS1 Weather</p>	<p><b>On the Move.</b>            KS1 Ready Steady Grow! Plants &amp; conditions for growth.            KS2 Plants - functions, life cycles and water transport.            States of matter, heating, cooling and water cycle.            KS2 Maps and mapping skills. Local transport routes.</p>