

# Science Curriculum Statement – September 2022

### Our School Vision:

Our aim is for all to belong to a safe and happy community which celebrates our diversity and differences. Our children will be well prepared for the next step of their journey as responsible citizens. We aspire for all to flourish.

#### <u>Intent</u>

At St Mary St Giles School, we aim to prepare our children for their future with a "hands –on", inquiry-based science curriculum that enables them to confidently explore and discover the world around them. We will motivate and actively engage our children, to nurture and grow their curiosity. Core scientific knowledge and skills is taught through direct teaching, experimentation, and exploration. Our intent is for all our children to be life- long learners who are: inquisitive, independent thinkers, confident to ask questions and who are well prepared for their future in the ever-changing world.

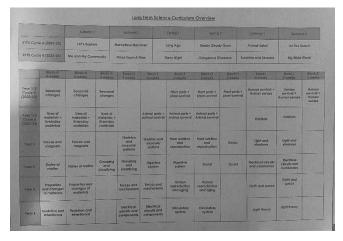
#### **Implementation**

Our whole curriculum is shaped by our school vision which aims to enable all children, regardless of background, ability, additional needs, to become responsible citizens and flourish. It is underpinned by our curriculum drivers:

Month	Opportunity	We strive to provide a range of opportunities to excite, motivate and enthuse our children. We capture the interest of children by relating science to everyday lives and provide our pupils with opportunities to think as scientist, develop curiosity and a deep knowledge. This includes using the local area, curriculum days and STEM projects. We want our children to broaden their aspirations and make real life links to their learning.
	Enquiry	We foster the natural curiosity of our children and support them to develop inquisitive thinking about their learning. Our curriculum incudes high quality investigations which focus on scientific skills and develops and deepens understanding. At SMSG we build and develop on the big ideas of Science to gain an understanding of global issues to enhance cultural capital.
	Language	Language rich environments and lessons develop a rich vocabulary which we want our children to use confidently and accurately. We want to develop expressive and articulate young people who have a broad scientific vocabulary. Scientific language is referred to and displayed. Children are supported with key vocabulary through displays, knowledge organisers, modelling, and word banks.

We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year by year and sequenced appropriately to maximise learning for all children. We use a range of resources to plan from including Cornerstones.

Science curriculum 2022 - 2023



Specific Science units are taught in each year group, building on from previously taught units and skill coverage. Teachers are free to change the order areas are taught to make cross curricular links as long as all areas are covered over the year.

## <u>Impact</u>

By the time the children at St Mary and St Giles leave our school we intend that they will be able to think independently, to ask and answer questions about the world around them. To be life-long learners who are enthused, curious and inquisitive, confident to ask 'Big Questions' and who are well prepared for their future in the ever-changing world