



## CURRICULUM STATEMENT FOR SCIENCE

### AIMS

We aim to ensure that all pupils:

- Use the skills and knowledge that they have developed in discrete Science lessons to further their understanding in other areas of the curriculum.
- Develop an understanding of the nature, process and methods of science through different types of scientific enquiry that helps them to answer questions about and make sense of the world around them.
- Are equipped with the scientific knowledge required to understand the uses and implications of science, today and for the future.
- Are able to express and explore their ideas eloquently using their developing scientific vocabulary, giving reasoned and thoughtful explanations and respectfully challenge ideas put forward by others.
- Are encouraged to consider what if' questions, in order to ignite their curiosity whilst challenging their thinking.

Our aims for Science are all underpinned by our Christian Values: Service, Faith, Determination, Love, Honesty, Friendship, Thankfulness, Respect and Forgiveness.

### The Science leader is Miss Booker.

|                |   |
|----------------|---|
| Intent         | At Lytham C of E Primary School, we believe that teaching and learning in Science should excite and stimulate pupils' natural curiosity to enable them to make sense of the world in which they live. We encourage pupils to ask questions and be led by their own individual interests. Pupils are supported in coming up with their own ways to answer scientific questions through an enquiry based approach. Where possible, the teaching and learning of Science is linked to our existing topics throughout the year, to enhance the learning that takes place. By the end of each phase, we expect pupils to have met the objectives set out in the National Curriculum. We achieve this by ensuring that all Science related knowledge and skills are taught at an age-appropriate level and ensure that progression enables pupils to build on these skills efficiently and effectively. |
| Implementation | The National Curriculum for Science aims to ensure that all pupils: <ul style="list-style-type: none"> <li>• Develop scientific knowledge and conceptual understanding through a balance of practical activities and knowledge-based lessons.</li> <li>• Develop understanding of the nature, processes and methods of science through the five different types of enquiries (research using secondary sources; observation over time; pattern seeking; identifying, classifying and grouping; comparative and</li> </ul>   |

|                          |  |
|--------------------------|--|
|                          | <p>fair testing) that help them answer scientific questions about the world around them.</p> <ul style="list-style-type: none"> <li>• Are prepared for life in an increasingly scientific and technological world today and in the future.</li> <li>• Are equipped with scientific knowledge required to understand the uses and implication of science today and for the future.</li> <li>• Are encouraged to be open-minded, to self-assess, to persevere and develop investigative skills including;- observing, measuring, predicting, hypothesising, experimenting, communicating, interpreting, explaining and evaluating.</li> <li>• Have access to enrichment opportunities, including educational visits and visitors that help develop their science capital and aim to offer aspirational experiences.</li> <li>• Develop the use of computing in investigating and recording.</li> <li>• Make links between science and other subjects.</li> </ul> |
| Impact                   | <ul style="list-style-type: none"> <li>• Scientific vocabulary is confidently used by all.</li> <li>• All pupils feel valued in Science lessons and feel confident enough to use skills such as predicting and reasoning to help deepen their scientific understanding.</li> <li>• Pupils are able to make links to a variety of topics and real-life situations.</li> <li>• We aim for all children to achieve well, produce good quality work and are ready for the next stage in their education.</li> </ul>  |
| Coverage and Progression | <p>Clear progression has been mapped out for all Science topics in the National Curriculum. At Lytham C of E Primary School, we implement a bespoke curriculum, tailored to our individual pupils' needs, in order to support pupils in achieving the National Curriculum objectives.</p>  |
| Assessment               | <p>Pupils' attainment in Science is assessed continually. Termly assessments track progress against age-related expectations; teachers use these to inform their next steps in their Science planning. Statutory data for pupils' achievement is reported at the end of Year 2 and the end of Year 6.</p>  |