

## Our Core Purpose: Excited to learn with confidence together in God's hands.

### Community and Living Well Together

We all need each other. Well being

#### IMPACT (WHAT)

#### Belonging Friendship

**This will benefit our pupils and the wider community**

All pupils have a positive attitude to their science learning working both independently and collaboratively as part of a team during investigations and experiments.

From their start points, all pupils make at least expected progress with many making more, ensuring outcomes are high compared to national.

### Dignity and Respect

Everyone matters. God loves us no matter how small

#### Respect IMPACT (WHAT)

**Links to the wider community and enrichment**

Through workshops, trips and interactions with experts and charities, children have the understanding that science has changed our lives and that it is vital to the world's future prosperity. Fun, engaging, high-quality science education, that provides children with the foundations and knowledge for understanding the world.

Children learn the possibilities for careers in science, as a result of our community links and connection with national agencies such as the STEM Ensuring that children have access to positive role models within the field of science from the immediate and wider local community.

Whole school events, such as Science Week or project days allow all pupils to come off-timetable, to provide broader provision and the acquisition and application of knowledge and skills.

Exposure to a range of different scientists from various backgrounds, all children feel they are scientists and capable of achieving.

### Hope and Aspiration

Love and forgiveness is always there. New start for all. We can aim high. Be the best we can be.

#### Forgiveness Courage

**Our pupils will leave this school**

Inspired and inquisitive about science, such healthy curiosity in our children will further develop their knowledge about our universe and promote respect for the living and non-living.

With a sound and robust scientific understanding of key scientific knowledge and concepts.

With an enjoyment of science, resulting in positive, motivated and determined learners.

Knowing the importance of questioning, encouraged to ask their own increasingly complex questions and be given opportunities to use their scientific skills and research to discover the answers.

Equipped with the scientific skills required to understand the uses and implications of science, today and for the future.

Viewing science as a potential future profession as they move into secondary education.

#### INTENT (WHY)

## Excited to learn with confidence together in God's hands.

### Vision for Science



#### Wisdom, Knowledge and Skills

#### IMPLEMENT (HOW)

Never give up on learning. Using knowledge well. BUT ethics as well as wisdom.

#### Perseverance

**The curriculum will look like**

Pupils are provided with a weekly engaging Science lesson linked to a half-termly topic/programme of study.

They will acquire and develop the key knowledge identified within each unit and across each year group, ensuring Working Scientifically skills are built-on and developed so they can apply their knowledge of science when using equipment, conducting experiments, building arguments and explaining concepts.

Resource rich lessons aid understanding of key conceptual knowledge.

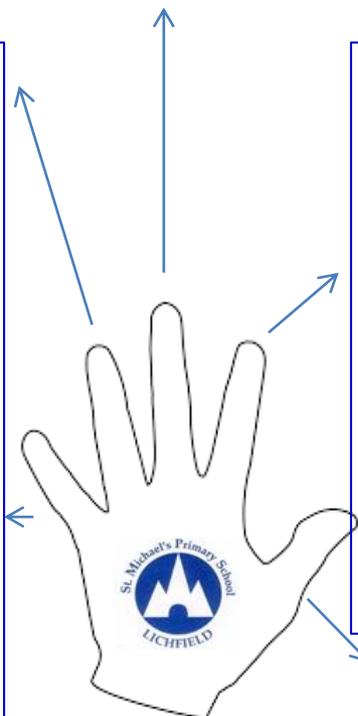
Following progressions in National Curriculum

Pupils explore problem-solving opportunities in science to promote greater depth learning and the development of questioning skills.

Pupils are provided with regular opportunities to discuss, question, reflect and evaluate their own and others' learning.

Pupils will develop an increasing range of topic specific science vocabulary.

Appropriate targeted support and feedback to ensure pupils make progress



#### God who connects and underpins the other four

At St. Michael's, we are all guided by our Christian values to inspire one another; encouraging confident, committed and caring children to flourish through life's journey.