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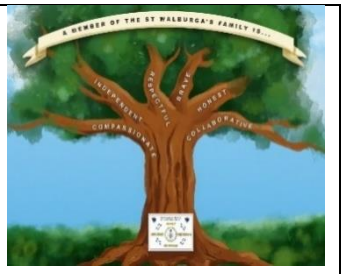
| | **As St. Walburga's school family we walk in the footsteps of Jesus by …**<br>• welcoming all<br>• learning to be the best we can<br>• joining together in prayer<br>• serving God and one another |  |

## Science Intent

We believe Science provides the foundation for understanding the world. It encompasses the acquisition of knowledge, concepts, skills and positive attitudes and has the power to change lives and play a vital role in shaping our futures.

Our aim is to engage and develop the sense of excitement and curiosity which children have about the natural world, both throughout their time at school and beyond. We encourage the children to be inquisitive whilst also promoting the respect for living and non-living things which reflects our Christian beliefs and values.

We want our children to develop both scientific and conceptual knowledge through investigation and first-hand experience, enabling them to build an understanding of key 'big ideas' in Science. Through regular undertaking of different types of practical science enquiries, we aim to develop the children's ability to ask and answer scientific questions as well as developing their understanding of how science can be used to explain what is occurring and why. Science enquiries also provide opportunities to develop the values of independence and collaboration which are integral to our school community.

Key skills are mapped for each year group and are progressive through the school. We build upon the knowledge and skill development of the previous years; as the children's knowledge and understanding increases, they become more proficient in selecting and using scientific equipment, collating and interpreting results. They also become increasingly confident in their ability to come to conclusions based on real evidence. Children are encouraged to ask questions and be curious about their surroundings and a love of science is nurtured through a whole school ethos and a varied science curriculum.