

St Joseph's Mission Statement

Our school is proud to be part of the Roman Catholic Church in the parish of St Joseph. Our mission is to serve God, uphold the worth and dignity of every person and enable them to develop their talents. Everything we do is rooted in the values of the Gospel, as we seek to deepen faith, strengthen hope and grow in love in a respectful, safe and happy environment.

Our School

Our Mission Statement is supported by the following aims and how we expect to fulfil them: - Together as adults and children, we respect, value and cherish each other as unique individuals. - Everyone has something special to give; we look for ways to recognise, nurture and celebrate each other's talents. We shall strive to offer a broad and differentiated curriculum. - Our community is a partnership between home, school and Parish. - We provide a welcoming, well maintained, safe and happy environment. - Our Faith life is an integral part of our community. - We will strive to be living witnesses of Christ's teaching within the world community

MAD Science Club 2022- 2023

Mad Science visited our school on Thursdays to run an after-school club. We had 26 pupils across KS1 and KS2 join in, in the Autumn Term, and 11 children joined in during the Spring Term. The children thoroughly enjoyed their extra-curricular experience.

Pupil voice / Impact

"I think science is fun, exciting and interesting!"
"Science helps us to understand the world around us."
"I like science because I like learning new facts!"
"It's really good! I like learning about space!"
"Science is really fun, I think it's a fantastic lesson!"
"I like doing experiments!"

Data 2023 / Impact

End of KS1 – 93% of pupils met the expected standard
End of KS2 – 93% of pupils met the expected standard

Key Scientists in the Science Curriculum

At St Joseph's we use Deepening Understanding to deliver our lessons. Each science unit has an associated scientist, who has conducted research in that area of science. These scientists range in age, gender, ethnicity and scientific interests. Our children are inspired by these influential people throughout their journey at our school, children will discover the works of 29 scientists.

Science

There are 3 things that last: Faith, Hope and Love.



At St Joseph's, we aim to provide a learning atmosphere which encourages curiosity, perseverance, open-mindedness and co-operation. We endeavour to provide a broad and balanced learning experience for all of our pupils, to inspire them to develop an interest in science, through first-hand experiences and practical work. We want our children to become inquisitive learners, with a passion to develop and test their own theories.

'The works of the Lord are magnificent; they are treasured by all who desire them' (Psalm 111:2).

Intent / Aims

1. To promote and develop children's enjoyment and enthusiasm for science through exciting, practical, first-hand learning and opportunities to experiment, explore and investigate.
2. To ensure that the statutory requirements of the National Curriculum (2014) for science are all covered and taught effectively.
3. To help pupils to become scientists by developing their problem solving and reasoning skills so that they can apply their scientific thinking across the curriculum.
4. To ensure that from the EYFS onwards, pupils are confident in their understanding and application of their basic skills in science and that they build upon their prior learning at every stage.
5. To encourage children to use their increasing knowledge, skills and understanding of science to investigate, ask questions and solve challenging problems.
6. To develop pupils' confidence and skill in scientific methods as they explore the areas of science and address increasingly complex problems.
7. To bring science to life and make it real so that children understand the importance of science in the world and in their everyday day lives.

Implementation / Non- negotiables

1. Knowledge organisers must be glued in their books at the beginning of each unit, detailing what the children should already know, what they will learn in that unit, where their learning will take them next, key vocabulary, key words and the associated scientist.
2. All lessons to have opportunities for the children to ask questions about what they wonder, encouraging deeper scientific thinking skills.
3. All the Science National Curriculum knowledge objectives must be covered in each unit.
4. Two working scientifically lessons must be delivered per half term, either through science lessons or discrete teaching of enquiry-based skills.
5. All of the Working Scientifically skills from the National Curriculum need to be taught and practised by the end of each Key Stage.
6. WALTs should clearly indicate if the lesson has a focus on knowledge or working scientifically. Use scientific enquiry language in the WALT to show which type of enquiry is being used.
7. Headstart assessments are to be completed at the end of each science unit and the results of these added to the foundation assessment trackers.
8. Marking should follow the school's policy, there should be at least one piece of green time to challenge or reinforce the pupil's learning per unit.
9. Children in KS2 should have opportunities to set up (LKS2) and plan (LKS2) scientific investigations, to explore and answer their own questions.

Our Science Curriculum

Science is a core subject in the National Curriculum. But science is much more than just a compulsory subject: science inspires our children, encouraging them to be inquisitive about the world, it nurtures their innate curiosity and enables them to develop a range of skills that are useful across their learning.

EYFS

Understanding the World

In EYFS, we use the framework Observe, Describe and Explain to investigate our topics.

Out topics include Seasonal Changes, Personal Health, Forces, Plants, Materials and the World Around Us. Science underpins all of our explorative learning in our areas of provision, throughout each day, including learning in the sand pit, water tray and baking.

Year 1

Seasonal changes, everyday materials, animals inc. humans (naming animals and body parts), plants.

Year 2

Living things and their habitats, animals inc. humans, plants (conditions for growing), uses of everyday materials.

Year 3

Forces and magnets, animals inc. humans (skeletons), rocks (fossil formation), light (reflections and shadows), plants (life cycle and parts of a plant).

Year 4

Animals inc. humans (teeth and digestion), states of matter, sound, electricity, living things and their habitats (grouping and classifying).

Year 5

Earth and space, forces, properties and changes of materials, animals inc. humans, living things and their habitats.

Year 6

Animals inc. humans (circulatory system), living things and their habitats (classifying microorganisms), sound, evolution and inheritance, light.

PSQM 2021 - 2024

St Joseph's is very excited to announce that we have been awarded the PSQM (Primary Science Quality Mark). Our science provision at St Joseph's ensures that all children receive a high standard of teaching and learning

Science Extra-Curricular

Our pupils enjoy taking part in a range of extra-curricular science activities and trips. Our school trips include: Nature and Seasonal walks in our local area, RHS Gardens, a visit to the local florist, science events at local high schools, farm visits and trips to habitats including the beach and pond.