



St John Fisher Catholic Voluntary Academy

‘Aim high, Work hard, Be kind’

Policy on Science Updated October 2022

At St John Fisher Catholic Voluntary Academy, we strive to follow the example of St John Fisher putting our faith into action in every aspect of school life. We want to help every child achieve their full potential by equipping them with a feeling of self-worth, a respectful attitude towards others, an excitement for learning and an enthusiasm for life. We strive to develop the Gospel values of ‘Faith, Inspiration and Caring’ as we endeavour to develop the talents of every member of our school community.

Introduction

At St John Fisher school, we recognise the importance of Science in everyday life. As one of the core subjects taught in Primary schools, we give the teaching and learning of Science the importance it requires. The Scientific area of learning is concerned with increasing pupils’ knowledge and understanding of our world, and with developing skills associated with Science, encouraging inquiry based learners.

The experience of pupils using Scientific methods of investigation should develop the natural curiosity of the child, encourage respect for living organisms and the physical environment and provide opportunities to develop children’s questioning. The National Curriculum will provide a structure and skill development for the science curriculum taught throughout the school, which is linked into our knowledge based curriculum learning. We endeavour to ensure that the Science curriculum we provide, will give children the confidence and motivation to continue to further develop their skills into the next stage of education and adulthood.

Science Curriculum Intent, Implementation and Impact Overview

The intent of our Science Curriculum is to deliver a Science Curriculum which is accessible to all and results in each individual child being able to **know more, understand more and remember more**.

As a result of this, children will develop scientific understanding through the specific disciplines of Biology, Chemistry and Physics. They will develop an understanding of the nature, processes and methods of Science through different types of science enquiries that help them to answer scientific questions about the world around them. Through this, they will be equipped with the scientific knowledge required to understand the uses and implications of Science, today and for the future. Through effective teaching and learning, children will develop an enthusiasm and enjoyment of scientific learning and discovery.

The Teaching of Science at St John Fisher

Science is taught weekly, with a new topic being taught every half term in every year group. The topic will include a Quiz at the beginning and end of the topic to assess and adapt lessons to suit the prior learning and current learning of each year group. Working scientifically is taught throughout



Each unit of work with ample opportunities for children to use their reading skills in research and their mathematical skills when measuring, recording and analysing data. Lessons are a mixture of practical and written work and teachers use a range of teaching and learning styles, including activities such as investigations, questioning, practical opportunities and outdoor learning.

Children with identified Special Educational Needs and/or Disabilities have access to an aspiring Science Curriculum, which is tailored to their needs. SEND children are provided with reasonable adjustments through their tasks, level of support provided and level of challenge. Advice can be sought from the school SENCO where needed.

In order for pupils to know more, remember more and do more in Science, these aspects must be evident in the implementation of the Science curriculum throughout school. The Science MTP outlines the Knowledge and Working Scientifically Skills as outlined by the National Curriculum objectives.

The role of the subject leader

The Science Co-ordinator is responsible for:

- Monitoring the teaching and learning of Science and to ensure that children know more, remember more and understand more about Science.
- Overseeing and implementing the policy.
- Writing an annual action plan for The School Improvement Plan and evaluating progress throughout the year.
- Attending INSET and local Network meetings to provide staff with appropriate feedback.
- Attending regular courses to keep knowledge up to date and feedback to staff upon return.

The school gives core subject leaders non-contact time when necessary, so that they can carry out the necessary duties involved with their role. It is the role of each subject leader to keep up to date with developments in their subject, at both national and local level. They review the way the subject is taught in the school and plan for improvement. This development planning links to whole-school objectives. Each subject leader reviews the curriculum plans for their subject, ensures that there is full coverage of the National Curriculum and that progression is planned.

Monitoring and review

Our Governing body is responsible for monitoring the way the school curriculum is implemented. Governors review each subject area according to the policy review timetable and meet regularly with subject leaders.

The headteacher is responsible for the day to day organisation of the curriculum. The headteacher and senior staff monitor the plans for all teachers, ensuring that all classes are taught the full requirements of the National Curriculum.

Subject leaders monitor the way their subject is taught throughout the school. They monitor long-term and medium-term planning, and ensure that appropriate teaching strategies are used. Subject leaders also have responsibility for monitoring the way in which resources are stored and managed.

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