**Creech St Michael C of E VC Primary School**

 **“Together we love and learn today, for a brighter tomorrow”**

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| **WHY THIS SUBJECT IS IMPORTANT IN OUR SCHOOL – Intent**At Creech St Michael Primary School, our science curriculum aims to foster a lifelong curiosity and enthusiasm for the natural world. We are committed to providing a high-quality science education that equips pupils with the knowledge, skills and understanding to explore, question and understand the world around them.Our curriculum is designed to:* **Develop scientific knowledge and conceptual understanding** through the specific disciplines of biology, chemistry and physics.
* **Encourage pupils to work scientifically**, promoting skills such as observing, predicting, experimenting and evaluating.
* **Ensure pupils understand the nature, processes and methods of science** through various types of scientific enquiries that help them to answer scientific questions about the world.
* **Build a foundation for understanding the world**, fostering an appreciation of the impact of science on everyday life and its role in the future.
* **Promote the use of scientific vocabulary**, enabling pupils to articulate scientific concepts clearly and accurately.
* **Provide opportunities for practical and investigative work**, ensuring pupils can apply their knowledge in real-world contexts.
* **Support pupils in developing critical thinking and problem-solving skills**, preparing them for future learning and employment.
 | **Teaching, learning and assessment – Implementation**At Creech St Michael, we have developed a broad and balanced curriculum that aligns with the national curriculum and ensures progression in scientific knowledge and skills. Our curriculum includes substantive knowledge and disciplinary knowledge to foster a deep understanding of science.Our lessons are engaging and interactive. They include practical work, experiments and field trips / visitors to stimulate pupil curiosity and scientific enquiry.We use digital resources and educational technology to support interactive learning and provide access to high-quality online materials that complement our curriculum.We promote inquiry-based learning where pupils are encouraged to ask questions, conduct investigations and develop their understanding through scientific enquiry.Collaborative learning is encouraged, through group projects and activities that enhance critical thinking and problem-solving skills.Pupils connect scientific concepts to real-world contexts to help understand the relevance and importance of science in everyday life.Our student-led investigations develop independence and a deeper understanding of the scientific method.Teachers use formative assessments such as quizzes, observations and class discussions to monitor pupil progress and provide immediate feedback.We use ‘Never heard the word’ and summative assessments like end-of-unit tests to evaluate pupil understanding.Pupils' practical skills will be assessed through practical work like experiments and hands-on activities.We encourage pupils to reflect on their own learning and provide constructive feedback to their peers. |
| **WHAT IS THE IMPACT? - Impact**By the end of their primary education, pupils at Creech St Michael Primary School will have a solid foundation in scientific knowledge and skills, ready to progress to the next stage of their education with confidence and curiosity. |