

CURRICULUM INTENTIONS	Our Values and Expectations	‘Life for Learning for Life ...’ Science					
		Embracing Excellence		Celebrating Diversity		Nurturing Individuality	
		Enjoyable	Stimulating	Respectful	Challenging	Safe	Lifelong Learners
	Curriculum Drivers Our Learning Curriculum						
		Reflective	Relationships	Resilience	Resourceful	Risk Taking	
	Our vision for the Science curriculum at Wembury Primary School	<p>Our vision for the Science curriculum at Wembury Primary School is to inspire curiosity, wonder, and a lifelong love of discovery in every child. We aim to nurture confident, independent thinkers who are equipped with the scientific knowledge, skills, and attitudes to question the world around them.</p> <p>Through engaging, hands-on learning experiences and rich cross-curricular links, our science curriculum encourages children to explore, investigate, and develop a deep understanding of the natural and physical world. We believe in fostering a sense of awe and respect for the environment, promoting sustainability and responsibility as global citizens.</p> <p>Our science curriculum is carefully structured to be incremental—building knowledge, skills, and understanding progressively across year groups. It is designed to revisit and deepen key concepts over time, allowing every child to build on prior learning and make secure connections. We adapt our teaching to meet the individual needs of learners, ensuring that all children, regardless of background or ability, are supported and challenged to reach their full potential.</p> <p>At Wembury Primary School, science a vital part of our learners' development—helping them to become resilient problem-solvers, effective communicators, and thoughtful contributors to society. Our vision ensures that all children see themselves as scientists and leave us with a sense of empowerment, ready to shape the future through inquiry, innovation, and collaboration.</p>					

IMPLEMENTATION	CURRICULUM DELIVERY	<p>At Wembury Primary School, we use Snap Science as our core scheme of work, ensuring a clear progression of learning from EYFS to Year 6. This approach fosters curiosity, independent thinking, and builds scientific knowledge and inquiry skills. Snap Science helps equip children with the skills needed to excel in science and explore the world around them confidently.</p> <p>The Snap Science curriculum provides full coverage of the National Curriculum, with progression carefully mapped from EYFS to Year 6. Concepts are introduced and revisited to deepen understanding over time, promoting an investigative approach that develops practical scientific enquiry skills. Each year builds on the previous, ensuring a solid foundation in science for all children.</p> <p>Our curriculum is progressive and adaptable to meet the needs of every child. Through ongoing assessments and feedback, lessons are adjusted to support and challenge students at different levels. We ensure all children can reach their full potential through targeted support.</p> <p>In EYFS, science begins with play-based exploration, laying the groundwork for future learning. As children move through KS1 and KS2, the curriculum follows a logical progression, building on prior knowledge and skills. Snap Science ensures that learning is continuous and connected, allowing children to deepen their scientific understanding.</p> <p>Science at Wembury Primary is rooted in hands-on learning and real-world contexts. Students engage in experiments, observations, and outdoor activities such as field trips and STEM outreach programs, and connecting learning to the world outside the classroom.</p> <p>Assessment is key to monitoring pupil progress. Teachers use both formative and summative assessments to track understanding, with the science lead monitoring the quality of teaching and learning through lesson observations and feedback.</p> <p>We prioritise CPD to continually develop staff expertise. Through regular CPD sessions, teachers gain the knowledge and confidence needed to deliver high-quality science lessons. Collaborative planning time ensures that all staff are supported in delivering the Snap Science curriculum effectively, with opportunities to share best practices.</p> <p>Finally, scientific thinking and vocabulary are integral to our approach. We emphasise the importance of explicitly teaching scientific language, which is revisited throughout the curriculum. Children are encouraged to ask questions, hypothesize, and reason logically, with opportunities to discuss and explain their ideas using accurate scientific terminology. This helps develop their ability to communicate and think critically about scientific concepts.</p> <p>Our implementation plan ensures that every child at Wembury Primary enjoys a stimulating and high-quality science education, empowering them to grow into confident and capable learners.</p>				
		The Learning Environment	Assemblies	Visitors	Educational Visits and Residentials	Experiences
Extra-Curricular Activities	Community Events	Partnership working with other schools	Community Expertise	Pupil Leadership	House Teams	Responding to the News

	TEACHING (PEDAGOGY)	Enquiry Based Learning	High Expectations	Consistent Practice	Challenge for All	Excellent Subject Knowledge
		Working Walls	Vocabulary Rich	Responsive to needs and interests	Reflective	Shared Expertise
		Mastery	Application of prior learning	Progressive	Enjoyment	Collaborative
		Risk Taking	Learning Skills: 5 x Rs	Breadth and depth	Pupil Led	Oracy
ASSESSMENT	Quality First Marking and Feedback	Whole Class Feedback		Unit Assessments	Tracking Progress Over time	
	Next step marking	Self & Peer-Assessment		Pupil Conferencing	Moderation	

IMPACT	ATTAINMENT AND PROGRESS	Our curriculum has an ambition of high expectations for all. Pupils are Creative, Competent, Independent Orators and Writers – with each child finding his/her own voice which impacts on progress across the curriculum.	Our science curriculum ensures that children make strong progress in their scientific knowledge and understanding. They consistently build on prior knowledge as they move through the school, demonstrating a clear learning journey in their science books. Through regular feedback, children are encouraged to strive for excellence, resulting in a higher proportion of pupils staying on track and reaching their full potential . Ongoing monitoring, including lesson observations, pupil conferencing and book looks, ensures high levels of teaching and learning across the school.
	KNOWLEDGE AND SKILLS		Our curriculum fosters a deep understanding of scientific concepts , enabling pupils to connect what they learn to real-life situations. Children develop not only their subject knowledge but also their scientific enquiry skills, confidently applying them in practical investigations and real-life contexts . Oracy skills are strengthened as pupils discuss and share their ideas with peers and adults, enhancing their communication and critical thinking abilities .
	READINESS FOR THE NEXT STAGE OF EDUCATION		Children leave Wembury Primary ready for secondary education , equipped with a solid foundation of scientific knowledge and enquiry skills. As they transition from EYFS through the Key Stages, they are well-prepared for the challenges of KS3 . Our science curriculum ensures they are confident learners , able to approach future scientific studies with the skills and mindset necessary for continued success.

