



| Intent | Implementation | Impact |
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| <p>Our school vision states that: We aspire for all at Parsonage Farm to feel valued and cared for, to have a continued excitement for learning, ensuring success as they journey onwards.</p> <p>We believe it is vital for all children to have the opportunity to develop a secure grasp of skills and knowledge in science. In order for children to work scientifically they need opportunities to:</p> <ul style="list-style-type: none"> • Raise and seek answers to their own questions. • Experience and apply different types of enquiry at an age appropriate level. • Communicate their ideas and findings verbally and through drawing, labelling, annotating and writing. • Be able to revisit their ideas, change and build on these. • To feel confident and have a safe environment to be able to make mistakes while working from first-hand experiences. <p>Science is a statutory subject, meaning there is the Science National Curriculum to follow. https://assets.publishing.service.gov.uk/media/5a806ebd40f0b62305b8b1fa/PRIMARY_national_curriculum_-_Science.pdf</p> <p>We have a clear progression of skills and knowledge organisers for PSHE across the school which can be found here: https://www.parsonagefarmschool.co.uk/_site/data/files/curriculum/FOA801E5EE8C02C89F92374D900CB4A9.pdf</p> <p>Nursery: https://www.parsonagefarmschool.co.uk/page/?title=Half+termly+learning&pid=59</p> <p>Year R: https://www.parsonagefarmschool.co.uk/page/?title=Half+termly+learning+in+Yr+R&pid=58</p> <p>Year 1: https://www.parsonagefarmschool.co.uk/page/?title=Knowledge+in+Year+1&pid=57</p> <p>Year 2: https://www.parsonagefarmschool.co.uk/page/?title=Knowledge+in+Year+2&pid=56</p> | <p>Curriculum design</p> <p>To ensure we have a broad and balanced curriculum that provides children with exciting opportunities and detailed learning we use Hampshire County Council Science Learning Journeys and adapt these to create our own science curriculum.</p> <p>Our learning journeys are based upon: HIAS Key ideas (KS1), which promotes a broad and balanced curriculum. Most lessons are enquiry based, providing children with authentic experiences, context and relevance for the key idea they have been learning. This allows children to make cross-curricular links and see how science relates to the world around them.</p> <p>The lessons follow a 4 phase lesson plan to ensure consistency across the school as well as differentiating teaching to support all of our children.</p> <ul style="list-style-type: none"> • Recap on the children’s prior knowledge; making sure the children are properly equipped for learning the new concept or idea. • Teaching substantive knowledge; learning the new concept or idea • Apply; challenging the children to question the idea and use the idea to solve a problem. • Teaching disciplinary skill (applying the skill) <p>Science is taught weekly in KS1, with at least an hour of time spent completing investigations, learning new knowledge and improving their scientific skills. In KS1 the children will follow a longitudinal study about the natural world whilst carrying on with other science learning.</p> <p>In Nursery and Year R (EYFS), science is part of a whole approach to learning, and falls within Understanding the World. Specific science is taught and continual provision is available to explore science and the outdoor world on a daily basis. Much of the science and outdoor learning is generated through topic work, often led by the children.</p> <p>As a school we have an agreed set of teaching and learning principles that all staff use to ensure they are delivering the highest quality lessons to our children. These can be found here: https://www.parsonagefarmschool.co.uk/page/?title=Curriculum&pid=29</p> <p>Science lessons are recorded in floor books which are available for staff, children and parents to access throughout the year.</p> <p>Enrichment</p> <p>Each year we have a whole school science day which focuses on different areas of science such a forces, investigations or answering a key question. This allows the children to have the opportunity to plan and complete their own investigations, using taught skills on areas that they may not be a statutory requirement.</p> <p>Children requiring additional support</p> <p>Our lessons are planned and delivered so that the individual needs of all children are met. If children require additional support to access science lessons this will be tailored to their individual needs, based on any individual targets they may be working on. Examples of this support may be pre-teaching key vocabulary prior to the lesson, using visuals to add understanding or additional time provided to talk through new concepts.</p> | <p>Assessment of Science</p> <p>Within our Early Years classes, teachers are continuously assessing children’s Science through quality interactions in play, group sessions and whole class sessions. These assessments are on-going to help us ensure children are working towards our end of EYFS goals.</p> <p>In Key Stage 1, teachers formally assess children’s progress through a range of strategies including; questioning, investigations, observations, children’s recall and explanations of ideas which all help to make a half-termly formal assessment as to whether each child has met the objectives of the learning journey.</p> <p>We assess children at the end of the learning journey to ensure a depth of understanding and knowledge has been taught. Adults will be continually assessing each child’s progress to ensure misconceptions are identified and resolved within the lesson and recap elements in following lessons.</p> <p>By the end of their time at Parsonage Farm, we aim for all children to have a love for science through an engaging curriculum that allows children to question and discover things in the world around them.</p> |