



Visits, Visitors and Experience Grid for Science



Reception	Trips	Impact
Reception	Planetarium Greenwich Godstone Farm Living Eggs British Science Week - Workshop	Through the variety of experiences offered, the children can grow and develop in many key areas of the science curriculum. The children have the opportunity to explore both the planetarium and farm describing what they see, here and feel. They can identify how some environments are different to the one in which they live. The farm allows the children to have a hands-on experience of exploring the natural world around them as well as discussing the natural world and the effect of changing seasons.
Year 1	ZooLab Workshop Living Eggs British Science Week - Workshop	The science experience for our Year 1 children allows them to have a hands-on experience in the identification of common animals as well as naming common animals which are carnivores, herbivores and omnivores. The children can identify the structure of the living animals as well see first-hand the life cycles through the hatching of baby chicks gaining an understanding of how to care for an animal as well.
Year 2	British Science Week - Workshop Gatton Park	During the British science week workshop the children have the opportunity to handle different materials and talk through their properties. The workshop allows the children to physically change the state of materials by creating slime identifying its properties in a very messy and practical way. Gatton Park helps to embed the children's understanding of habitats in a fun and engaging way that combines solving math questions with rescuing the woodland animals. The children also are

		<p>able to explore their knowledge of food chains of these animals in fully engaging experience which place the children in the heart of these animals habitats.</p>
<p>Year 3</p>	<p>British Science Week - Workshop</p> <p>Natural History Museum Dino Dig Workshop</p> <p>RAF STEM Workshop</p>	<p>Our British Science week workshop encourages the children to discuss the properties of the materials they are using whilst creating their own new solid.</p> <p>The workshop gives the children the opportunity to identify a range of fossils, perform their own fossil dig and work out what their mystery specimens might be through observation and measuring. The children will handle fossils, find out what they are, what they can tell us and how palaeontologists study them to explore prehistoric life on Earth.</p> <p>The children experience a hands-on STEM activity raising the profile of science as a subject and a career. The workshop has an engineering theme that allows the children to design and build their own rockets ready to launch!</p>
<p>Year 4</p>	<p>Wingham Wildlife Park</p> <p>British Science Week - Workshop</p>	<p>The trip to Wingham Wildlife Park combines both geography and science. The children are able to recognise the different animal groups which call the rainforest their home as well as using the classification information around the park to help group, identify and name a variety of living creatures. The children see a wide range of animals and discuss which could survive in their own local environment through the identification of food chains. The children identify those animals which are prey, predators and producers. The Orangutan talk allows the children to delve deeper and gain a greater insight into how fragile these environments can be and the impact that changes can have on the species that live there. During the British Science week workshop the children really explore the ways in which a material can change its state when they are heated or cooled. They can identify the way in which evaporation and condensation play a key role in the water cycle and the effect that temperature has on this process for different materials.</p>

	RAF STEM Workshop	The children experience a hands-on STEM activity raising the profile of science as a subject and a career. The workshop has an engineering theme that allows the children to design and build their own rockets ready to launch!
Year 5	<p>British Science Week - Workshop</p> <p>RAF STEM Workshop</p>	<p>The British Science week workshop gives the children a hands-on experience to apply their knowledge of solids, liquids and gases allowing them to combine substances to mix and change the state of the original materials recognizing that this not a reversible change and that they have in fact been able to create a new material in the process.</p> <p>The children experience a hands on STEM activity raising the profile of science as a subject and a career. The workshop has an engineering theme that allows the children to design and build their own rockets ready to launch!</p>
Year 6	<p>British Science Week - Workshop</p> <p>Natural History Museum</p> <p>RAF STEM Workshop</p>	<p>At the Natural History Museum, the children have the opportunity to explore how living things have changed over time and see first-hand how fossils are able to provide us with key information about living things that inhabited the Earth millions of years ago. The museum experience also gives the children the opportunity to gain a greater insight into how animals and plants have adapted over time to suit the environments in which we find them and how these different ways of adaptation may in fact lead to evolution.</p> <p>The children experience a hands on STEM activity raising the profile of science as a subject and a career. The workshop has an engineering theme that allows the children to design and build their own rockets ready to launch!</p>



All Visits, Visitors and Experiences provide the children with the opportunity to 'Dream Big' and 'Make a Difference'.

