



Leaving A Footprint	
Session Aim	To explore sustainable building materials and their properties, building design, choices and decision making in construction using the Footprint as a case study
Key Stage	KS 1/ KS 2
Curriculum Links	Science      Geography      Citizenship      Art & Design Physical Education      Design and Technology      English
Key Words	Properties, materials, insulation, biodegradable, renewable, locally sourced, construction, architect, climate change, footprint, environment, sustainability
Learning Objectives	<p>In this session children should learn:</p> <ul style="list-style-type: none"> <li>• About different materials, properties, design and decision making when planning and constructing a building</li> <li>• That the new building at St Catherine's has a low environmental impact through its design, power supply and the materials used in its construction</li> <li>• Specifically about some of the traditional and unusual materials and methods used in the building of the Footprint</li> <li>• That natural shelters inspired the design and the materials used to build the new Footprint building at St Catherine's</li> <li>• How to work in teams to come up with a new design for a sustainable building, incorporating certain requisites and their own ideas</li> <li>• There are solutions to many environmental issues and these can be implemented on a local scale</li> <li>• The National Trust is working towards sustainable development</li> </ul>
Learning Outcomes	<p>At the end of the session children will be able to:</p> <ul style="list-style-type: none"> <li>• Recognise it is possible to build a functional and beautifully designed building using non-traditional materials and methods</li> <li>• Understand new buildings are often necessary, but they do not need to damage the surrounding environment in their construction and future use</li> <li>• Appreciate that The Footprint building and the surrounding natural environment of St Catherine's is a truly special place</li> <li>• Feel some responsibility for their own actions in daily life</li> <li>• Understand these can have an impact on their environments at home and feel empowered to adjust their behaviour in ways that reduce any harm</li> <li>• Feel positive about environmental issues, the part they can play and have more confidence in making informed choices</li> </ul>