

The Sustainability Centre Themed Days



We plan bespoke visits for all groups. These themed days can be adapted to suit the ages, interests and needs of specific groups.

Suggested age group	Activity	Overview	National Curriculum Links
Reception	Where is Kelly the Caterpillar?	Habitats and Minibeasts. Interactive day learning about the life cycle of a butterfly and discovering minibeasts in our woodlands investigating through song, drawing and clay.	ELG: The Natural World Explore the natural world around them, making observations and drawing pictures of animals and plants.
Key Stage 1	Exploring Materials and Change	Natural and Man-Made Materials. Discovering new materials and their properties, while thinking about the 3R's – Reduce, Reuse and Recycle. Includes chalk carving, creating with clay, mini beast hunting and a fire demonstration to show how charcoal is made and using it to create pictures.	KS1 Science <ul style="list-style-type: none"> distinguish between an object and the material from which it is made. identify and name a variety of everyday materials describe the simple physical properties of a variety of everyday materials.
Key Stage 1	Mini Beasts	Habitats and life cycles. Exploring using senses, discovering what lives in different areas of the grounds. Interactive games and activities to learn about features of mini beasts, life cycles, camouflage and healthy habitats. Including creative clay and bee hive simulation game.	KS1 Science <ul style="list-style-type: none"> identify that most living things live in habitats to which they are suited, describe how different habitats provide for the basic needs of different kinds of animals and plants and how they depend on each other. identify and name a variety of plants and animals in their habitats, including microhabitats. describe how animals obtain their food from plants and other animals, using the idea of a simple food chain
Key Stage 2	Caring For The Environment	Woodland and Wetland Study. Comparative study of 2 habitats – woodland and pond, using keys to identify creatures and their evolved adaptations. Looking at the flow of energy through food chains and discovering food chains in the grounds. Water conservation activity to explore water accessibility around the world and strategies to conserve water use.	KS2 Science <ul style="list-style-type: none"> recognise that living things can be grouped in a variety of ways. explore and use classification keys to help group, identify and name a variety of living things construct and interpret a variety of food chains, identifying producers, predators and prey. identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
Key Stage 2	Working Woodlands	The Importance of Woodlands. Discovering the importance of forests globally and locally, finding out about how we manage our woodlands and visiting areas that make use of our wood on site. Hands on activities including willow weaving, making and using charcoal and a knife-skills demonstration.	KS2 Design and Technology <ul style="list-style-type: none"> make: select from and use a wider range of tools, materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities
Key Stage 2	Local Food and Farming	Farming in the Meon Valley. Finding out about farm management, crops and animals on a 2-hour tractor trailer safari with our local farmer, thinking about how farming affects the landscape and where our food comes from. Back at the centre, learning about Fair Trade, debating organic, local or supermarket retailers and food miles, thinking about sustainability. *	KS2 Design and Technology <ul style="list-style-type: none"> understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed. KS2 Science <ul style="list-style-type: none"> identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat. recognise that living things produce offspring of the same kind, not always identical to their parents.

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Key Stage 2	Energy For Everyone	Renewable Energy and Sustainable Living. Touring site to see different ways in which we are reducing carbon emissions, saving energy and using eco-friendly building materials. Investigating renewable energy using snap circuits and Green Energy Bikes, comparing energy usage of household appliances. Walking to survey proposed wind turbine site and discussing about pros and cons. Thinking about nature inspiring technology through Biomimicry. *	KS2 Geography <ul style="list-style-type: none"> human geography, including: types of settlement and land use, economic activity including trade links, and the distribution of natural resources including energy, food, minerals and water.
Key Stage 2	Low Impact Buildings	Sustainable Buildings. Touring site to see different ways in which we are modelling sustainable living and using eco-friendly building materials. Experiment with sustainable building materials, making mini rammed chalk walls, clay bricks and an earth oven. Taking the challenge of creating and walking over the earth bag arch.	KS2 Human and Physical Geography <ul style="list-style-type: none"> types of settlement and land use, economic activity, distribution of natural resources including energy and food. Design and Technology KS2 <ul style="list-style-type: none"> use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups, apply their understanding of how to strengthen, stiffen and reinforce more complex structures.
Key Stage 2	Stone Age	Life In The Paleolithic, Mesolithic and Neolithic Eras. Show and tell experience handling replica tools, chalk carving with flint, playing the tracking and hunting game. Thinking about nomadic lifestyles building shelters in the woodland and creating natural glue from resin around the hearth fire. Considering the development of farming – grinding grain and cooking dough over the fire to make bread, weaving a mini willow fence.	KS2 History <ul style="list-style-type: none"> changes in Britain from the Stone Age to the Iron Age.
Key Stage 2	Leave Only Footprints	Saxons in the Meon Valley. Handling artefacts and finding out about aspects of daily life for adults and children, in our 'Saxon Longhouse' outdoor classroom. Finding evidence from archaeological finds, creating a piece of 'Saxon' pottery and weaving mini hurdles with willow. *	KS2 History <ul style="list-style-type: none"> Britain's settlement by Anglo-Saxons and Scots. Viking and Anglo-Saxon struggle for the Kingdom of England local history study.
Key Stage 2	Forest Skills	Bushcraft activities. Shelter building, fire lighting, tracking and craft activities in the woodland.	Encompasses aspects of science, history, design technology, history, PSHE and art. Can be adapted to link to specific curriculum areas as required.
Key Stage 2	Sensory Discovery	Nature and Art Exploration Day. Using senses to look at the world in new ways with a range of sensory and art activities. Choose from a menu of sessions, which could include nature's potions, clay tree spirits, team scrap challenge, leaf bashing, transient sculptures and natural mandalas.	KS1 Art <ul style="list-style-type: none"> use a range of materials creatively to design and make products. KS2 Art <ul style="list-style-type: none"> improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials

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Key Stage 3	Botany and Plant Life	Plant Life And Its Importance. Foraging site tour exploring different growing areas and medicinal uses of plants. Creating seasonal delicacies such as mint tea or berry syrup. Immersive activities including plant identification and uses, leaf bashing, learning about pollination, making an eco-plant pot and planting a seed for our wildflower meadows. Thinking about nature inspiring technology through Biomimicry.	KS3 Science <ul style="list-style-type: none"> • Nutrition and Digestion - plants making carbohydrates in their leaves by photosynthesis and gaining mineral nutrients and water from the soil via their roots. • Photosynthesis - the dependence of almost all life on Earth on the ability of photosynthetic organisms, such as plants and algae, to use sunlight in photosynthesis to build organic molecules that are an essential energy store and to maintain levels of oxygen and carbon dioxide in the atmosphere. • Relationships in an Eco-System - the importance of plant reproduction through insect pollination in human food security.
Key Stage 3	Food, Farming and Permaculture	Farming in the Meon Valley. Finding out about farm management, crops and animals on a 2-hour tractor trailer safari with our local farmer, thinking about how farming affects the landscape and where our food comes from. Back at the centre, learning about Fair Trade and sustainability. Touring the site to see food growing, learning how to make their own eco pots and planting wildflower seeds for our meadows. *	KS3 Science <ul style="list-style-type: none"> • Nutrition and Digestion - content of a healthy human diet: KS3 Geography <ul style="list-style-type: none"> • Human and physical geography - understand how human and physical processes interact to influence and change landscapes, environments and the climate; how human activity relies on effective functioning of natural systems. KS3 Design and Technology <ul style="list-style-type: none"> • Understand the source, seasonality and characteristics of a range of ingredients.
Key Stage 3	Clean Energy – KS3	Renewable Energy and Sustainable Living. Touring site to see different ways in which of reducing carbon emissions, saving energy and using eco-friendly building materials. Investigating renewable energy using snap circuits and Green Energy Bikes, comparing energy usage of household appliances. Walk to survey proposed wind turbine site and discussion about pros and cons. Thinking about nature inspiring technology through Biomimicry. *	KS3 Geography <ul style="list-style-type: none"> • understand how human and physical processes interact to influence, and change landscapes, environments and the climate
Key Stage 3	Natural Building Techniques	Sustainable Buildings. Touring site to see different ways in which we are modelling sustainable living and using eco-friendly building materials. Discussing low embodied energy and experimenting to make mini rammed chalk walls, clay bricks and an earth oven. Taking the team challenge of creating and walking over the earth bag arch. Thinking about nature inspiring technology through Biomimicry.	KS3 Design and Technology <ul style="list-style-type: none"> • use a variety of approaches [for example, biomimicry and user-centred design], to generate creative ideas and avoid stereotypical responses. • select from and use a wider, more complex range of materials, components and ingredients, taking into account their properties. KS3 Art and Design <ul style="list-style-type: none"> • to increase their proficiency in the handling of different materials.
Key Stage 3	World War II	The Meon Valley in World War II. Exploring the use of the Sustainability Centre as a Naval Communications Base. Learning to use a compass to set ordnance survey maps, practising 6 figure grid references, using maps to navigate around the site, discovering how humans have impacted on the land in the past 100 years. Handling artefacts and replicas from WWII, learning about coded messages and rationing.	KS3 History <ul style="list-style-type: none"> • Challenges for Britain, Europe and the wider world 1901 to the present day, local history study. KS3 Geography <ul style="list-style-type: none"> • Geographical Skills and Fieldwork - interpret Ordnance Survey maps in the classroom and the field, including using grid references and scale, topographical and other thematic mapping, and aerial and satellite photographs.
Key Stage 3	Forest Skills	Bushcraft activities. Using available materials to create structures and art works, considering appropriate use of resources and impact on the environment. Shelter building, fire lighting, tracking and craft activities in the woodland.	Encompasses aspects of science, history, design technology, history, art and PSHE. Can be adapted to link to specific curriculum areas as required.

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