



ENGLEFIELD
ESTATE

Englefield Estate Schools Days Content Summary and Learning Objectives



The theme of the Englefield Estate Schools Days event is Sustainability.

Please note: the information below is provided for the 2023 event. We anticipate one or two changes due to updated content. The Teacher Handbook for next year will be available from May 2024.

During your visit, seven topics related to sustainability are covered: Food & Farming, Trees & Timber, History, Habitats & Wildlife, Health & Wellbeing, Community and Energy & Water. Each class is assigned a timetable of activities following one of four routes around the Estate. The content of each route, and the related learning objectives, are summarised in the table below.

Route assignment is based on the following criteria:

1. Needs of the class attending (health/mobility/additional needs/allergies)
2. Size of the group attending (when possible, we place multiple classes from the same school on the same route as it helps school staff to be closer together)
3. Requests to cover specific activities (on your Booking Form you can request a specific route to coincide with class learning. We will endeavour to fulfil this request, but we cannot guarantee it. The seven topics covered during your visit are consistent across routes, but specific activities may vary).

Content Summary and Learning Objectives

Route	Topic	Activity	Key Stage/ Level	Main subject focus	Learning Objective
1	Habitats & Wildlife	Reading & District Beekeepers	KS2	The Honeybee	Curriculum Links: <ul style="list-style-type: none">• Living things and their habitats• Cooking and nutrition

		Talk and display, including observation beehive with real bees.			Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Looking more closely at the natural world. • Developing an awareness of the relationships between bees and plants. • Developing an understanding of the bee life cycle. • Developing an awareness of honeybee products and pollination services that humans rely on.
1	Energy & Water	Pang Valley Flood Forum: Natural Flood Management presentation and hands-on activity	KS2	The water cycle and flood prevention	Curriculum Links: <ul style="list-style-type: none"> • Human and physical geography • Living things and their habitats Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Understand key aspects of the water cycle. • Explore an example of human impact – causes of flooding and ways to prevent it.
1	Farming & Food	Kitchen Garden: Guided tour and hands-on activity	KS2	Horticulture in a historic setting	Curriculum Links: <ul style="list-style-type: none"> • Plants • Living things and their habitats • Cooking and nutrition Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Explore the requirements of plants for life and growth. • Developing an understanding of where food comes from. • Recognise that soils are made from rocks and organic matter. • Understand the importance of worms for creating soil from organic matter and making nutrients available to plants.
1	Trees & Timber	Estate Carpenters: demonstration and hands-on activity	KS2	The work and materials used by Estate carpenters	Curriculum Links: <ul style="list-style-type: none"> • Properties and changes of materials Key Skills and Learning Objectives:

					<ul style="list-style-type: none"> • Comparing different woods on the basis of their properties, including their hardness. • Developing an awareness of the reasons for the particular uses of wood, and the skills required, in the context of maintaining historic buildings. • Making a nest box using hand tools
1	History	Englefield House: guided tour	KS2	Discovering the history and present-day uses of Englefield House	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Significant historical events, people and places in their own locality. • A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Developing an understanding that a “stately home” was (and is) a home, a business and the centre of a community. • Exploring the connections, contrasts and trends over time e.g. accessibility, light and heating, staffing, purpose and use, from status symbol to war hospital to filming location.
1	Community	St Mark’s Church: presentation and role play	KS2	Key moments in the life of members of the Christian community, led by Reverend Julia Marks	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Citizenship (Developing good relationships and respecting the differences between people) • RE (believing and belonging) <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Developing an understanding that a community is made up of people who have both things in common and differences. • Introducing key moments in life for members of the Christian community: Christening (formal

					joining of the community) and marriage (life-long partnership).
1	Health & Wellbeing	Bat Rescue Berkshire: presentation and sensory exercise game	KS2	British Bats and their rescue and rehabilitation	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Living things and their habitats • Food chains • Citizenship (developing a healthy, safer lifestyle/preparing to play an active role as citizens) <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Understanding key features of bats • Exploring the importance of different senses through a “bat game” (hearing versus sight). • Learning about voluntary conservation work, rescuing and rehabilitating stranded and injured bats (care, commitment, skills and equipment).
2	Habitats & Wildlife	Butterfly Conservation and the Berkshire Moth Group: exhibit and Q&A, including live specimens	KS2	Butterflies and Moths	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Living things and their habitats <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Looking more closely at the natural world. • Identifying and naming a variety of living things in the local environment. • Developing an awareness of the relationships between butterflies/moths and plants. • Developing an understanding of the butterfly life cycle and metamorphosis.
2	Energy & Water	Action for the River Kennet: observation and recording	KS2	Water quality and aquatic invertebrates	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Living things and their habitats • Human and physical geography <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Explore and use classification keys to help group, identify and name a variety of aquatic invertebrates.

					<ul style="list-style-type: none"> • Develop an awareness of human impacts on water quality. • Developing an understanding of key features of local rivers.
2	Farming & Food	Super Soils with the Gardening Team: hands on activities	KS2	Healthy soils, composting, how plants grow	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Plants • Rocks <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Explore the requirements of plants for life and growth • Recognise that soils are made from rocks and organic matter. • Understand the importance of worms for creating soil from organic matter and making nutrients available to plants.
2	Trees & Timber	How Big is That Tree? Introduction and group exercises	KS2	The biggest trees at Englefield – the Giant Sequoias	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Plants • Living things and their habitats • Measurement and Geometry <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Review the requirements of plants for life and growth • Develop an understanding of the differences between conifer and deciduous trees • Develop an understanding that trees can form a distinctive habitat <p>Problem solving, using number in context, including measurement. Measuring the perimeter of a circle; naming parts of circles - diameter and circumference; estimating height</p>
2	History	Englefield House: guided tour	KS2	Discovering the history and	Curriculum Links:

				present-day uses of Englefield House	<ul style="list-style-type: none"> • Significant historical events, people and places in their own locality. • A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality. <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Developing an understanding that a “stately home” was (and is) a home, a business and the centre of a community. • Exploring the connections, contrasts and trends over time e.g. accessibility, light and heating, staffing, purpose and use, from status symbol to war hospital to filming location.
2	Community	Reel Education with the Angling Trust: games and activities	KS2	Freshwater fish and fishing	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Living things and their habitats • Citizenship <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Understanding there are different species of fish in UK rivers and lakes that utilise different habitats within the water. • Developing an awareness of angling as a hobby and considering what makes a healthy lifestyle.
2	Health & Wellbeing	Life’s Little Bugs: Discussion on Traits and Practices of the chosen healthy habit. Story. Guided visualisation	KS2	The benefits of positive thinking, building a growth mindset and adopting a “can do” attitude.	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Citizenship • PSHE <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Introducing & understanding our superpower ‘Growth Mindset’ • Benefits and Practices for Developing a Positive Mental Attitude. • Learning techniques to help build a Growth Mindset.

3	Habitats & Wildlife:	Englefield Estate Game Department: Talk and display of museum specimen animals. Object handling with pollen and nectar producing plants, skulls, antlers and gamekeeping equipment.	KS2	Wildlife Management	Curriculum Links: <ul style="list-style-type: none"> • Living things and their habitats • Animals including humans • Evolution and inheritance Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Identifying and naming a variety of living things in the local environment. • Construct and interpret a variety of food chains, identifying producers, predators and prey. • Developing an awareness that some UK habitats are managed for the benefit of certain species and why this is important.
3	Energy & Water	Thames Water: presentation and hands-on activity with kit designing a water resource system.	KS2	Water matters	Curriculum Links: <ul style="list-style-type: none"> • Human and physical geography Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Understand key aspects of the water cycle. • Understanding the importance of clean water for drinking. • Thinking about conserving water by not wasting it and by only putting the right things in the loo.
3	Farming & Food	Newbury & District Agricultural Society: hands on activity with demonstration milking kit plus livestock from Englefield (cows or sheep)	KS2	Farm animals: milk and meat	Curriculum Links: <ul style="list-style-type: none"> • Animals, including humans • Cooking and nutrition Key Skills and Learning Objectives: <ul style="list-style-type: none"> • Developing an understanding of the gestation periods of animals • Identify that animals need the right types and amount of nutrition and that they cannot make their own food; they get nutrition from what they eat.

					<ul style="list-style-type: none"> • Developing an understanding of where food comes from. • Understand seasonality and know where and how sheep or cattle are reared and the food products we use from livestock.
3	Trees & Timber	How Big is That Tree? Introduction and group exercises	KS2	The biggest trees at Englefield – the Giant Sequoias	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Plants • Living things and their habitats • Measurement and Geometry <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Review the requirements of plants for life and growth • Develop an understanding of the differences between conifer and deciduous trees • Develop an understanding that trees can form a distinctive habitat • Problem solving, using number in context, including measurement. Measuring the perimeter of a circle; naming parts of circles - diameter and circumference; estimating height
3	History	Museum of English Rural Life: sustainability quiz and examination of museum specimens	KS2	Learning about the countryside, its legacy, its people and its relevance to our lives today.	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Significant historical events, people and places in their own locality. <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Developing an understanding of sustainable practices, e.g. recycling, reducing fossil fuel use • Exploring connections, contrasts and trends over time in agriculture through learning the story of specific museum specimens • In-depth observation and questioning
3	Community	Design a Village: hands on activity with model kit.	KS2	Using simple models to discuss	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Human and physical geography

				and design a sustainable village	<ul style="list-style-type: none"> • Citizenship <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Using aspects of human and physical geography, including land use, economic activity, energy and water to design a sustainable village. • Discussing and debating topical issues
3	Health & Wellbeing	Hampshire County Council Access Team: presentation and quizzes.	KS2	The Countryside Code	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Citizenship <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Learning the principles of Respect, Protect and Enjoy in the context of a healthy lifestyle. • Avoiding antisocial behaviour and conserving the environment.
4	Habitats & Wildlife	Englefield Estate Game Department: Talk and display of museum specimen animals. Object handling with pollen and nectar producing plants, skulls, antlers and gamekeeping equipment.	KS2	Wildlife Management	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Living things and their habitats • Animals including humans • Evolution and inheritance <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Identifying and naming a variety of living things in the local environment. • Construct and interpret a variety of food chains, identifying producers, predators and prey. • Developing an awareness that some UK habitats are managed for the benefit of certain species and why this is important.
4	Energy & Water	Renewable Energy: presentation and experiments with display kit	KS2	Renewable Energy	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Electricity • Living things and their habitats <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Identify common appliances that run on electricity

					<ul style="list-style-type: none"> • Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a renewable energy source (wind/sunlight). • Explore examples of the human impact of energy generation on the environment (fossil fuels versus renewable energy).
4	Farming & Food	Arable Farming: Presentation with real farm machinery, object handling with grains and seeds, hand-grinding wheat and products made from wheat.	KS2	The Arable Farming Year	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Plants • Cooking and nutrition <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow). • Developing an understanding of where food comes from. • Developing an understanding of the life cycle of wheat. • Understand seasonality and know where and how wheat is grown and processed to make food.
4	Trees & Timber	Forestry Department: Forester game, woodland quiz, building a wooden bench	KS2	How we plant and grow trees, forestry products and uses of wood	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Plants • Living things and their habitats <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Understand the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow). • Developing an awareness that some UK habitats are managed for the benefit of certain species and why this is important.

					<ul style="list-style-type: none"> • Developing an understanding of the timber production cycle and uses of the timber produced. • Hand tool use
4	History	Reading University Archaeology Department: object handling with real archaeological finds from Silchester	KS2	Archaeology at Silchester Roman Town	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • the Roman Empire and its impact on Britain <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Developing an understanding of how we find out about the Romans through archaeology. • Developing an understanding of what archaeological finds can tell us about how Roman people lived and worked.
4	Community	Englefield Estate Maintenance Team: Hands on activity learning how to tile a roof	KS2	Meeting the people who maintain all the buildings at Englefield	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Human and physical geography • Properties and changes of materials • Citizenship <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Learning about the type of settlement Englefield is • Using building materials based on their properties (waterproofing, hardness etc) • Developing awareness of the range of jobs carried out on the estate.
4	Health & Wellbeing	Small Fire, Big Adventure: hands on activities with natural materials	KS2	Bushcraft	<p>Curriculum Links:</p> <ul style="list-style-type: none"> • Art and design <p>Key Skills and Learning Objectives:</p> <ul style="list-style-type: none"> • Creativity and experimentation • Using natural materials to create friendship bands and have a go at weaving on a hand loom