ENGLEFIELD
ESTATE



Englefield Estate Schools Days
Content Summary, Curriculum Links and Learning Objectives

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

Please note: the information below is provided for the 2025 event. We anticipate one or two changes due to updated content. The Teacher Handbook for the next event will be available in 2026.

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)

Route	Topic and Activity	Main subject focus	Curriculum Links and Learning Objectives
1	Habitats & Wildlife Reading & District Beekeepers: Talk and display, including real beehive and queen bee Specific allergy risk: bees (display hive is sealed container)	The Honeybee	Curriculum Links: • Living things and their habitats • Cooking and nutrition Key Skills and Learning Objectives: • 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.

2	Habitats & Wildlife Butterfly Conservation and the Berkshire Moth Group: exhibit and Q&A, including live specimens	Butterflies and Moths	Curriculum Links: • Living things and their habitats • Key Skills and Learning Objectives: • 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.
3	Habitats & Wildlife Englefield Estate Game Department: Talk and interactive displays of pollen and nectar producing plants, bird seed, museum specimen animals and gamekeeping equipment Specific allergy risk: mixed grains including wheat	Wildlife Management and Conservation	Curriculum Links: • Living things and their habitats Key Skills and Learning Objectives: • Developing an awareness of food chains, identifying producers, predators and prey. • Identifying and naming a variety of living things in the local environment. • Developing an awareness that some UK habitats are managed for the benefit of certain species and why this is important.
4	Habitats & Wildlife Berkshire Bat Rescue	Voluntary conservation work and British bats	Curriculum Links: • Living things and their habitats • Citizenship - recognise the role of voluntary groups • Light and sound • Evolution & Inheritance Key Skills and Learning Objectives: • Recognise that light is needed in order to see things and that dark is the absence of light • Recognise that vibrations from sounds travel through a medium to the ear • Identify how bats are adapted to suit their environment in different ways and recognise that adaptation led to evolution

			• recognise that environments can change and that this can sometimes pose dangers to living things
1	Energy & Water Pang Valley Flood Forum: Introduction, water cycle activity and construct a leaky dam activity	The water cycle and flood prevention	Curriculum Links: • Human and physical geography • Living things and their habitats Key Skills and Learning Objectives: • Understand key aspects of the water cycle. • Explore an example of human impact – causes of flooding and ways to prevent it.
2	Energy & Water Action for the River Kennet: Freshwater invertebrate identification and counting; using results to assess water quality	Freshwater invertebrates	Curriculum Links: • Living things and their habitats • Human and physical geography Key Skills and Learning Objectives: • Explore and use classification keys to help group, identify and name a variety of aquatic invertebrates. • Develop an awareness of human impacts on water quality. • Developing an understanding of key features of local rivers.
3	Energy & Water Hills Waste Management: Recycling game and interactive talk demonstrating what happens to the rubbish that is collected from homes and schools	Recycling and waste	Curriculum Links: • Living things and their habitats • PSHE (ways of carrying out shared responsibilities for protecting the environment in school and at home) Key Skills and Learning Objectives: • Recognise that environments can change and that this can sometimes pose dangers to living things • Explore an example of human impact on the environment - litter • Understand how to separate waste for recycling • Understand why putting litter in the bin is so important • Think about how waste management and recycling could be improved at their school
4	Energy & Water	Renewable Energy	Curriculum Links: • Electricity

	Ian Gough: Renewable Energy talk and demonstration		• Living things and their habitats Key Skills and Learning Objectives: • Identify common appliances that run on electricity • 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)
1	Farming & Food Englefield Estate Gardeners: Super Soils activity with talk, worm hunt, compost making and planting	Healthy soils, composting, how plants grow	Curriculum Links: • Plants • Rocks Key Skills and Learning Objectives: • Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) • Recognise that soils are made from rocks and organic matter • Understand the importance of earthworms for recycling nutrients and forming soils • Understand how to plant in pots
2	Farming & Food Englefield Estate Gardeners: Super Soils activity with talk, worm hunt, compost making and planting	Healthy soils, composting, how plants grow	Curriculum Links: • Plants • Rocks Key Skills and Learning Objectives: • Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) • Recognise that soils are made from rocks and organic matter • Understand the importance of earthworms for recycling nutrients and forming soils • Understand how to plant in pots
3	Farming & Food Newbury & District Agricultural Society and Englefield Home Farm: Milk and meat activity, milking	Livestock, milk and meat	Curriculum Links: • Animals, including humans • Cooking and nutrition Key Skills and Learning Objectives:

	demonstration animals and meeting a Hereford cow and calf		• 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. • Developing an understanding of where food comes from • Understand seasonality and know where and how cattle are reared and the food products we use from livestock.
4	Farming & Food HBH Farming and the John Simonds Trust: Arable Farming machinery display and talk. Interactive talk about wheat, oilseeds and products with hand grinder, seeds and grains Specific allergy risk: wheat and flour, oilseed rape or linseed	The Arable Farming Year	Curriculum Links: • Plants • Cooking and nutrition Key Skills and Learning Objectives: • 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.
1	Trees & Timber Englefield Estate Carpenters: Talk and carpentry activity constructing barn owl nesting boxes	The work and materials used by Estate carpenters	Curriculum Links: • Properties and changes of materials Key Skills and Learning Objectives: • 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 to construct items from wood
2	Trees & Timber Pangbourne College Sixth Form: How Big is That Tree? Activity measuring a tree and comparing with famous examples	The biggest trees at Englefield – Wellingtonias	Curriculum Links: • Plants • Living things and their habitats • Measurement and Geometry Key Skills and Learning Objectives: • Developing an understanding that tree species can be under threat in their native habitats and that specimens can be

			grown elsewhere for interest and conservation. Historic gardens are an example of this. • Problem solving, using number in context, including measurement. Depending on the age group, this can involve: measuring the perimeter of a circle; naming parts of circles, including radius, diameter and circumference; identifying a right angle; recognising when it is possible to use formulae for area and volume of shapes; finding unknown angles in any triangles; using Pythagoras theorem to calculate the height of a tree (with assistance).
3	Trees & Timber Theale Green School Sixth Form: How Big is That Tree? Activity measuring a tree and comparing with famous examples	The biggest trees at Englefield – Wellingtonias	Curriculum Links: • Plants • Living things and their habitats • Measurement and Geometry Key Skills and Learning Objectives: • Developing an understanding that tree species can be under threat in their native habitats and that specimens can be grown elsewhere for interest and conservation. Historic gardens are an example of this. • Problem solving, using number in context, including measurement. Depending on the age group, this can involve: measuring the perimeter of a circle; naming parts of circles, including radius, diameter and circumference; identifying a right angle; recognising when it is possible to use formulae for area and volume of shapes; finding unknown angles in any triangles; using Pythagoras theorem to calculate the height of a tree (with assistance).
4	Trees & Timber Englefield Estate Forestry Department: Forester game and bug hotel activity	How we plant and grow trees, forestry products and uses of wood	Curriculum Links: • Plants • Living things and their habitats Key Skills and Learning Objectives: • 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. • Developing an understanding of the timber production cycle and uses of the timber produced. • Understanding the importance of trees as a habitat for invertebrates and how we can encourage invertebrate populations.
1	History Englefield House: Guided tour	Englefield House	Curriculum Links: • 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. Key Skills and Learning Objectives: • 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, including life in Victorian times, WWI and WWII war hospital, contemporary use as a filming location.
2	History Englefield House: Guided tour	Englefield House	Curriculum Links: • 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. Key Skills and Learning Objectives: • 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, including life in Victorian times, WWI and WWII war hospital, contemporary use as a filming location.
3	History		Curriculum Links:

	Museum of English Rural Life: Activity – what can specific objects tell us about rural life?		• A study of an aspect of history or a site dating from a period beyond 1066 that is significant in the locality Key Skills and Learning Objectives: • Ask key questions to explore objects, providing a gateway to engaging with rural people's lives and the context in which they lived • Compare and contrast historic objects and ways of living with contemporary examples
4	History Ufton Court Educational Trust	The Battle of Englefield reenactment	Curriculum Links: • Significant historical events, people and places in their own locality. Key Skills and Learning Objectives: • To understand the Viking and Anglo-Saxon struggle for the Kingdoms of England • To experience elements of culture and life in Saxon England
1	Community St Mark's Church, Englefield: Introduction to the church, demonstration christening and marriage ceremonies as an introduction to life in the Christian community	The Christian community	Curriculum Links: • Citizenship – developing good relationships and respecting the differences between people • RE – believing and belonging Key Skills and Learning Objectives: • Understanding the role of different parts of a church building • Developing an understanding of life as part of the Church of England community
2	Community The Angling Trust Reel Education Team: Games and activities introducing the sport of angling	Freshwater fish and angling	Curriculum Links: • Living things and their habitats • Citizenship – developing a healthy lifestyle Key Skills and Learning Objectives: • Developing an awareness of angling as a hobby and considering what makes a healthy lifestyle • Learning about freshwater fish and invasive species
3	Community Design a Village activity	Using simple models to discuss and	Curriculum Links: • Human and physical geography

		design a sustainable village	• Citizenship – understanding that resources can be allocated in different ways and that these economic choices affect individuals, communities and the sustainability of the environment Key Skills and Learning Objectives: • 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
4	Community Englefield Estate Maintenance Team: Tiling a roof activity	Meet the people who maintain the buildings at Englefield and try tiling a roof	Curriculum Links: • Human and physical geography • Properties and changes of materials • Citizenship Key Skills and Learning Objectives: • 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
1	Health & Wellbeing Five a Day Market Garden	The benefits of gardening	Curriculum Links: • Plants • Citizenship - recognise the role of voluntary groups Key Skills and Learning Objectives: • Developing a healthy, safer lifestyle, breadth of opportunities, preparing to play an active role as citizens • Understand seasonality, and know where and how a variety of ingredients are grown • Discovering the different colours, textures and scents in a garden
2	Health & Wellbeing Countryside Learning: Dragonfly talk and craft activity	Dragonflies, art and craft	Curriculum Links: • Living things and their habitats • Art and Design Key Skills and Learning Objectives:

			• Understanding the dragonfly body plan • Understanding the dragonfly lifecycle • Creating and decorating a model dragonfly using simple materials and methods
3	Health & Wellbeing Hampshire County Council Access Team: The new Countryside Code talk and quiz	The Countryside Code	Curriculum Links: • Citizenship Key Skills and Learning Objectives: • Learning the principles of Respect, Protect and Enjoy in the context of a healthy lifestyle, avoiding antisocial behaviour and conserving the environment
4	Health & Wellbeing Small Fire, Big Adventure: A range of hands-on bushcraft activities in a relaxing atmosphere	Bushcraft	Curriculum Links: • Art and design Key Skills and Learning Objectives: • Creativity and experimentation • Using natural materials to create friendship bands • Hand weaving