



Teachers' Guide

to Wyre's downloadable activities for schools



Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Back in Time	1	Geo timeline quiz	KS2 GEOGRAPHY KS2/3 HISTORY KS3 SCIENCE Sc3 Materials and their properties KS2 MATHS KS3 MATHS	3e Knowledge and understanding of places: To identify how and why places change and how they may change in the future 1a-b Chronological understanding 4a-b Historical enquiry 2d-f Changing materials: Geological changes 2f Fractions, percentages and ratio 2e Percentages	Outdoors	All year TIMELINE NEEDS TO BE BOOKED in advance. Please call The Discovery Centre on 01299 266929.	KS2 Rocks and Soils
	2	Interviews	KS2/3 HISTORY KS2/3 ENGLISH	4a-b Historical enquiry 5a-c Organisation and communication 6/7 Local history study 1/2 Speaking and listening	Indoors	All year POST VISIT	KS2 Living History
	3	Tropical Wyre	KS2/3 HISTORY KS2 GEOGRAPHY KS3 SCIENCE Sc3 Materials and their properties KS2 SCIENCE Sc2 Life processes and living things	1 a-b Chronological understanding 5c Organisation and communication (drawing) 4b Patterns and processes: River erosion/deposition 2e-f Changing materials: Geological changes 5b Living things in their environment: Adaptation	Indoors	All year PRE VISIT	KS2 Rocks and Soils KS2 Stream Study
	4	Earth Heritage Trust	KS2/3 GEOGRAPHY KS3 SCIENCE Sc3 Materials and their properties	Geographical enquiry and skills 2d-f Changing materials: Geological changes	Indoors	All year POST VISIT	
	5	Rocks are everywhere	KS2 SCIENCE Sc3 Materials and their properties KS3 SCIENCE Sc3 Materials and their properties	1d Grouping and classifying materials: Rock types 2d-f Changing materials: Geological changes	Indoors	All year PRE VISIT	KS2 Rocks and Soils KS2 Stream Study
	6	Permeable and impermeable	KS2 SCIENCE Sc3 Materials and their properties	1d Grouping and classifying materials: Rock types	Indoors	POST VISIT	KS2 Rocks and Soils

DESIGN BY NATURE - Summary

A number of design technology activities related to trees and their associated wildlife

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Design by Nature	1	Light and shade	KS2 SCIENCE - Sc4 Physical processes KS3 SCIENCE - Sc4 Physical processes KS2 DESIGN TECHNOLOGY KS2 ART AND DESIGN KS3 ART AND DESIGN	3a-d Light and sound: Everyday effects of light 3a-f Light and sound: The behaviour of light 4a-b Knowledge and understanding of materials and components 2a-c Investigating and making art, craft and design 2.1a Explore and create: Working from first hand observation	Outdoors	Sunny day in spring/summer POST VISIT	KS2 Find Out About Forests KS2 Forest Art KS2 Plants in the Forest KS2 Investigating Materials
	2	Going batty	KS2 SCIENCE - Sc2 Life processes and living things KS3 SCIENCE - Sc2 Life processes and living things KS2/3 DESIGN TECHNOLOGY	1a-c Life processes 5a-d Living things in their environment: Adaptation and competition All units	Indoors/Outdoors	All year PRE/POST VISIT	KS2 Animals in the Forest
	3	Photo mosaic	KS2 DESIGN TECHNOLOGY KS2 ENGLISH	All units 1-3 Speaking, listening and group discussion	Indoors/outdoors	All year	KS2 Forest Art KS2 Find Out About Forests
	4	Woodland orchestra	KS2/3 DESIGN TECHNOLOGY KS2 MUSIC KS3 MUSIC KS2 SCIENCE Sc4 Physical processes	All units 2a-b Creating and developing musical ideas: Composing skills 4a-d Listening and applying knowledge and understanding 1.1a-b Integration of practice 3e-g Light and sound: Vibration and sound	Outdoors	All year	KS2 Forest Art KS2 Find Out About Forests

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Forces of Nature	1	How trees stand	KS2 SCIENCE Sc4 Physical processes KS2 SCIENCE Sc2 Life processes and living things	2c-d Forces and motion: Types of force 3c Green plants: Growth and nutrition - roots as anchors	Outdoors	All year	KS2 Plants in the Forest
	2	Why do leaves fall?	KS2 SCIENCE Sc4 Physical processes KS3 SCIENCE Sc4 Physical processes	2b Forces and motion: Types of force 4c The Earth and beyond: The solar system - gravitational forces 2a Forces and motion: Force and linear motion - determining speed	Outdoors	Autumn	KS2 Plants in the Forest KS3 Temperate Woodlands
	3	Windy facts	KS2 SCIENCE Sc4 Physical processes	2e Forces and motion: Types of force	Outdoors	Windy day POST VISIT	KS2 Plants in the Forest
	4	Erosion	KS2 SCIENCE Sc3 Materials and their properties KS2/3 GEOGRAPHY	3a Separating mixtures of materials: Separating solid particles by sieving - erosion 4a-b Knowledge and understanding of patterns and processes: River erosion	Outdoors	All year PRE/POST VISIT	KS2 Stream Study KS3 Streams
	5	Erosion/deposition	KS2 SCIENCE Sc3 Materials and their properties KS2/3 GEOGRAPHY	3a Separating mixtures of materials: Separating solid particles by sieving - erosion 4a-b Knowledge and understanding of patterns and processes: River erosion 5a-b Knowledge and understanding of environmental change and sustainable development:	Outdoors	All year PRE/POST VISIT	KS2 Stream Study KS3 Streams KS2 Forests and Sustainable Development KS3 Sustainability



GETTING AROUND - Summary

Using nature and nature's signs to find your way around. Animal navigation and movement.

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Getting Around	1	Mad about maps	KS2/3 GEOGRAPHY KS2 ART AND DESIGN	2c Geographical enquiry and skills: Using maps 2e Geographical enquiry and skills: Drawing maps 2f Geographical enquiry and skills: Using ICT 2a-c Investigating and making art, craft and design	Outdoors WYRE	All year PRE VISIT	KS2 Maptime KS3 Maps and Mapwork KS2 Forest Art
	2	Orienteering	KS2/3 GEOGRAPHY	2c Geographical enquiry and skills: Using maps	Outdoors WYRE	All year PRE VISIT	KS2 Maptime KS3 Maps and Mapwork
	3	Nature's signs	KS2/3 GEOGRAPHY KS2 SCIENCE Sc4 Physical processes	2d Geographical enquiry and skills: Using secondary sources 2g Geographical enquiry and skills: Decision-making skills 4b The Earth and beyond: Periodic changes	Outdoors	All year POST VISIT	KS2 Maptime KS3 Maps and Mapwork
	4	Leave it to chance	KS2 GEOGRAPHY	2a Geographical enquiry and skills: Appropriate geographical vocabulary	Outdoors	All year POST VISIT	KS2 Maptime

MAD ABOUT TIMBER - Summary

A number of activities related to the trees in the Wyre Forest and their properties, exploring the different uses of timber.

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Mad about Timber	1	All sitting down	KS2 SCIENCE - Sc2 Life processes and living things KS2 SCIENCE - Sc3 Materials and their properties KS2/3 DESIGN TECHNOLOGY	4a-c Variation and classification: 1a Grouping and classifying materials: comparing everyday materials All units	Indoors/Outdoors	All year	KS2 Plants in the Forest KS3 Sustainability
	2	Barmy BBQ	KS2 SCIENCE - Sc3 Materials and their properties KS3 SCIENCE - Sc3 Materials and their properties KS3 SCIENCE - Sc4 Physical processes KS2 HISTORY KS3 HISTORY KS3 ENGLISH	2g Changing materials: Burning 2g-i Changing materials: Chemical reactions 5a Energy resources and energy transfer: Energy resources 7 Local history study 2a-e Knowledge and understanding of events, people and changes in the past 3a-e Speaking and listening: Group discussion and interaction	Indoors/Outdoors	All year POST VISIT	KS2 Living History KS3 Forest Issues KS3 Sustainability
	3	Nature's insulators	KS2 SCIENCE Sc3 Materials and their properties KS2 SCIENCE Sc2 Life processes and living things KS3 SCIENCE Sc2 Life processes and living things KS2/3 DESIGN TECHNOLOGY	1b Grouping and classifying materials: Thermal insulators 2c Changing materials: Temperature 4a-c Variation and classification: 5b-c Living things in their environment: Adaptation 5b-c Living things in their environment: Adaptation and competition All units	Outdoors	All year POST VISIT	KS2 Animals in the Forest KS3 Temperate Woodlands
	4	What trees do for us	KS3 SCIENCE Sc2 Life processes and living things KS3 SCIENCE Sc4 Physical processes KS2 GEOGRAPHY KS2 DESIGN TECHNOLOGY	3a-e Green plants and organisms: Nutrition, growth and respiration 5a-d Living things in their environment: Adaptation and competition 5a-c Energy resources and energy transfer: Energy resources 4 Knowledge and understanding of patterns and processes: Erosion, flooding 5 Knowledge and understanding of environmental change and sustainable development: Managing woodlands 4a-c Knowledge and understanding of materials	Indoors	All year PRE/POST VISIT	KS2 Plants in the Forest KS3 Temperate Woodlands KS3 Sustainability



MAD ABOUT TREES - Summary

A number activities related to trees. These can be used to find out about the trees in Wyre or your own local woodland.

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Mad about Trees	1	Seed dispersal	KS2 SCIENCE Sc2 Life processes and living things	4a-c Variation and classification	Outdoors	Autumn POST VISIT	KS2 Plants in the Forest
	2	Life cycles	KS2 SCIENCE Sc2 Life processes and living things	1a-c Life processes 3a-d Green plants	Indoors/Outdoors	All year PRE/POST VISIT	KS2 Plants in the Forest KS2 Find Out About Forests
	3	Photosynthesis	KS3 SCIENCE Sc2 Life processes and living things	3a-e Green plants as organisms: Nutrition and growth	Indoors	All year PRE/POST VISIT	KS2 Plants in the Forest KS3 Temperate Woodlands
		Cryptic clock	KS3 SCIENCE Sc2 Life processes and living things	1b Cells and cell functions - chloroplasts			KS2 Plants in the Forest
		Photosynthesis game	KS3 SCIENCE Sc2 Life processes and living things	3a-e Green plants as organisms: Nutrition and growth 1b Cells and cell functions - chloroplasts 5e Living things in their environment: Feeding relationships		PRE VISIT	KS2 Plants in the Forest
	4	Tanins in Oak	KS2 SCIENCE Sc3 Materials and their properties KS2 HISTORY	2a Changing materials 7 Local history study	Indoors	All year POST VISIT	KS2 Living History
	5	Selective breeding	KS3 SCIENCE Sc2 Life processes and living things	4c Variation, classification and inheritance: Inheritance	Indoors	All year	KS3 Temperate Woodlands
	6	Size matters	KS2 MATHS	4a-c Solving numerical problems	Outdoors	All year	KS2 Plants in the Forest KS3 Temperate Woodlands KS3 Sustainability KS3 Forest Issues
	7	What's in a name?	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH KS2 HISTORY	4a-c Variation and classification 6a-c Language variation 7 Local history study	Indoors	All year POST VISIT	KS2 Living History KS2 Plants in the Forest
	8	Tree flowers	KS2 SCIENCE Sc2 Life processes and living things	3d Green plants: Reproduction 4a-c Variation and classification	Indoors	All year POST VISIT	KS2 Plants in the Forest
	9	Forest management - treetime	KS2/3 GEOGRAPHY KS2/3 HISTORY KS2/3 ENGLISH En1 Speaking and listening	1d-e Geographical enquiry and skills 5a-b Knowledge and understanding of environmental change and sustainable development 7 Local history study 1-3 Speaking, listening, group discussion and interaction		All year POST VISIT	KS3 Forest Issues KS2 Living History KS3 Sustainability
	10	Scavenger hunt	KS2 SCIENCE Sc2 Life processes and living things	5b Living things in their environment: Adaptation	Indoors/Outdoors	All year	KS2 Find Out About Forests KS2 Plants in the Forest

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Mad about Wildlife	1	Adaptation: Vocabulary	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH En3	5b-c Living things in their environment: Adaptation 10 Writing to help organising and learning	Indoors	All year POST VISIT	KS2 Plants in the Forest KS2 Animals in the Forest KS2 Ponds and Minibeasts
		Adaptation: Move like a . . .	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH En1	5b-c Living things in their environment: Adaptation 2e Humans and other animals: Movement 4a Drama	Outdoors	All year POST VISIT	KS2 Animals in the Forest KS2 Ponds and Minibeasts
		Adaptation: Dressing up	KS2 SCIENCE Sc2 Life processes and living things	5b-c Living things in their environment: Adaptation	Outdoors	All year POST VISIT	KS2 Find Out About Forests
		Adaptation: Kestrel mobile	KS2 SCIENCE Sc2 Life processes and living things KS2 DESIGN TECHNOLOGY	5a-b Living things in their environment: Adaptation 2a-f Working with tools, equipment, materials, and components to make quality products	Indoors	All year PRE/POST VISIT	KS2 Animals in the Forest
		Adaptation: Camouflage in the classroom	KS2 SCIENCE Sc2 Life processes and living things	5b-c Living things in their environment: Adaptation	Indoors	All year POST VISIT	KS2 Animals in the Forest KS2 Ponds and Minibeasts
		Adaptation: Guess the animal	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH En3	5b-c Living things in their environment: Adaptation 10 Writing to help organising and learning	Indoors	All year POST VISIT	KS2 Animals in the Forest KS2 Ponds and Minibeasts
		Adaptation: Who am I?	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH En3	5b-c Living things in their environment: Adaptation 10 Writing to help organising and learning	Indoors	All year POST VISIT	KS2 Animals in the Forest KS2 Ponds and Minibeasts
	2	Food chains: Make foodchain cubes	KS2/3 SCIENCE Sc2 Life processes and living things KS2 DESIGN TECHNOLOGY	5d-e Living things in their environment: Feeding relationships 2 Working with tools, equipment, materials, and components to make quality products	Indoors	All year POST VISIT	KS2 Animals in the Forest KS2 Ponds and Minibeasts KS3 Sustainability
		Food chains: Make a foodchain mobile	KS2 SCIENCE Sc2 Life processes and living things KS2 DESIGN TECHNOLOGY	5d-e Living things in their environment: Feeding relationships 2 Working with tools, equipment, materials, and components to make quality products	Indoors	All year PRE/POST VISIT	KS2 Animals in the Forest KS3 Sustainability
		Food chains: Pond animal fact file	KS2 SCIENCE Sc2 Life processes and living things KS2 ART and DESIGN	5d-e Living things in their environment: Feeding relationships	Indoors	All year POST VISIT	KS2 Ponds and Minibeasts
	3	Minibeast maths	KS2 MATHS KS2/3 SCIENCE Sc2 Life processes and living things KS2 GEOGRAPHY	4a Solving numerical problems 4a-c Variation and classification 2b Appropriate fieldwork techniques	Outdoors	All year PRE/POST VISIT	KS2 Ponds and Minibeasts
	4	Consequences	KS2 GEOGRAPHY KS2 ENGLISH En3	3/4 Places, patterns and processes, environmental change and sustainable development 10 Writing to help organising and learning	Indoors	All year POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests



MAD ABOUT WILDLIFE - Summary (cont.)

A number activities related to woodland wildlife.

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Mad about Wildlife	5	Animals in the forest	KS2 SCIENCE Sc2 Life processes and living things	5b-e Living things in their environment: Adaptation and feeding relationships	Indoors	All year PRE VISIT	KS2 Animals in the forest
	6	Hibernation	KS2 SCIENCE Sc2 Life processes and living things	Living things in their environment: Adaptation - hibernation	Indoors	Autumn PRE/POST VISIT	KS2 Animals in the forest KS2 Seasons
	7	Minibeasts: Wood Ant research	KS2 SCIENCE Sc2 Life processes and living things	5a-f Living things in their environment: Adaptation and feeding relationships	Indoors/Outdoors	All year PRE/POST VISIT	KS2 Minibeasts KS2 Animals in the forest
		Minibeasts: Habitats	KS2 SCIENCE Sc2 Life processes and living things	5a-e Living things in their environment: Adaptation and feeding relationships 4a-c Variation and classification		All year POST VISIT	KS2 Animals in the forest
		Minibeasts: Worms	KS2 SCIENCE Sc2 Life processes and living things KS2 DESIGN TECHNOLOGY	5a-f Living things in their environment: Adaptation and feeding relationships 2 Working with tools, equipment, materials, and components to make quality products	Indoors	All year PRE/POST VISIT	KS2 Minibeasts

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Sensory Sensation	1	Bats - echolocation	KS3 SCIENCE Sc4 Physical processes KS2 SCIENCE Sc2 Life processes and living things	3g Light and sound: hearing 5b-c Living things in their environment: Adaptation	Outdoors	All year POST VISIT	KS2 Animals in the Forest
		Animal sounds	KS2 SCIENCE Sc2 Life processes and living things KS2 ENGLISH En1	5b-c Living things in their environment: Adaptation 4 Drama	Outdoors	All year PRE/POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests
	2	Smell	KS2 SCIENCE Sc2 Life processes and living things	5b-c Living things in their environment: Adaptation	Indoors/outdoors	All year PRE/POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests
	3	Sight	KS2 SCIENCE Sc2 Life processes and living things	5b-c Living things in their environment: Adaptation	Outdoors	Winter PRE/POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests
	4	Taste	KS2 SCIENCE Sc2 Life processes and living things	5b-c Living things in their environment: Adaptation	Indoors/outdoors	All year PRE/POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests
	5	Magic spots	KS2 GEOGRAPHY	2b Appropriate fieldwork techniques	Outdoors	All year POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests
	6	Spotters guide	KS2 SCIENCE Sc2 Life processes and living things	4a-c Variation and classification	Outdoors/Wyre	All year POST VISIT	KS2 Animals in the Forest KS2 Find Out About Forests



SUSTAINABLE FUTURES - Summary

Using woodland activities to focus on sustainable development issues.

Downloadable Resource	Worksheet	Activity Worksheet	Curriculum area	Unit	Where	When	Link to Wyre education programme
Sustainable Futures	1	Consequences	KS2 GEOGRAPHY	5a-b Knowledge and understanding of environmental change and sustainable development	Indoors	All year POST VISIT	KS2 Forest and Sustainable Development
	2	Spot the difference	KS3 GEOGRAPHY KS3 ENGLISH En1 KS2 HISTORY	6d-h Weather and climate, ecosystems, population, changing characteristics of settlements and changing distribution of economic activity Speaking and listening 7 Local history study	Indoors	All year PRE/POST VISIT	KS3 Sustainability KS3 Forest Issues
	3	Forester relay	KS2 GEOGRAPHY KS2 DESIGN TECHNOLOGY KS2 SCIENCE Sc2 Life processes and living things	5a-b Sustainable development 2 Working with tools, equipment, materials, and components to make quality products 3a-c Green plants: Growth and nutrition	Outdoors	All year	KS2 Forests and Sustainable Development KS2 Plants in the Forest KS3 Sustainability KS3 Forest Issues
	4	Road to extinction?	KS3 GEOGRAPHY KS3 MATHS	6f Population distribution and change 6f Sequences, functions and graphs	Outdoors	All year	KS3 Sustainability KS3 Forest Issues
	5	Ecological footprint	KS2/3 GEOGRAPHY KS3 GEOGRAPHY	5a-b Sustainable development 2d Use secondary sources of information 6d-f Weather and climate, ecosystems and population	Indoors	All year POST VISIT	KS2 Forests and Sustainable Development KS3 Sustainability