







Habitat Guide: Woodland











Mammals





Fox

- The red fox is the size of a medium dog.
- They are orangey/red from above with a white underneath.
- They can live in any habitat, with Urban foxes often being easier to spot.

Grey Squirrel

- Often proving tame, they can be seen cracking & eating hazelnuts.
- Most of their coat is grey, with a brown head & feet.





Common Shrew

- Nose to tip of the tail:
- From above they are dark brown, grey/silver below & have chestnut sides.
- Their tail is short in proportion to their body compared to other species.

Wood mouse

- Nose to the tip of the tail: 15-19.5cm.
- They have a reddish brown back & pale (often white) underside.





Brown Hare

- They are a golden, brown with a pale belly & white tail.
- They have characteristically long ears with black tips.
- They are often seen 'boxing' with one another.

Bank Vole

- They have larger ears than other vole species. -Nose to tip of the tail: 12-18cm. -Unlike the long hairless tail of a mouse, they





Weasel

- Nose to tip of the tail: 20-27cm.
- They have a brown back, with a white throat & belly.

Stoat

- Nose to tip of the tail: 33-46cm
- Their back is an orangey brown & their throat & belly white.

How to tell them apart:

- An easy way to distinguish between the two is to look for a black tip to the tail, which only the Stoat has.
- Their posture differs in movement, weasels maintain a straight back but stoats arch theirs.





Mammals





"File:Rothirsch - Cervus elaphus -Dortmund-Zoo.jpg" by Mathias Bigge is licensed under CC BY-SA 3.0

Red Deer

- They are the largest deer in the UK.
- They have russet-brown fur with a paler rump & tail.
- The males (as pictured) have large branching antlers that increase in size as they age.

Muntjac Deer

- They're around 50cm tall at the shoulder.
- The dark markings on their face differ between males and females.
- The males have short antlers.



"muntjac deer" by LHG Creative
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"Ree bok - Roe deer male" by Arend /ermazeren is licensed under CC BY

Roe Deer

- Their fur is mainly brown, becoming redder in the summer & grey in winter.
- They have a pale buff patch on their rump & no tail.
- The males have short, up to 3-pointed antlers.

Fallow Deer

- They can vary in colour, but tend to be a pale gingery brown.
- White spots are present on their back.
- They have a black & white tail & patch on their rump.
- The males have broad antlers with up to 5 branches.



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Beetles & Spiders



A 7-Spotted Ladybird (Revisited)" b bbusschots is licensed under CC BY-NC-ND 2 0

7 Spot Ladybird

- Length: 6-8mm.
- They have red wing cases which have a total of 7 black spots dotted over them.

Buzzing Spider

- Body length: 7mm.
 The buzzing spider has 2 chevron markings on their brown body.
- When attracting a mate, males vibrate on leaves, making a buzzing sound.



Philippe Garcelon is licensed under



"Common European Cockchafer (Melolontha melolontha), Parc de Woluwé, Brussels" by Frank.Vassen is licensed under CC BY 2.0

Cockchafer

- Length: up to 30mm.
- Known as the 'May bug' as they are often seen noisily buzzing around in the evenings of May.
- They have a black thorax, brown legs & wing cases.

Garden Spider

- Body length: 0.9-1.8cm.
- Grey/brown or red-brown in colour & their legs can appear 'striped'.
- On the abdomen is a large white cross of spots or streaks.



Garden Spider" by MattX27 is license under CC BY-SA 2.0



Reptiles & Amphibians





'Bufo bufo bufo (Hauts-de-Seine 92)" by aurent Lebois © is licensed under CC BY 2.0

Common Toad

- Length: 8-13cm.
- They have olive brown warty skin & copper eyes.
- Unlike the common frog, they walk instead of hop & so have short back legs.

Great Crested Newt

- Their warty skin is almost black in colour, with spotted sides & an orange belly.
- During the breeding season, males have a crest that runs the length of the body & tail.



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Butterflies



"Redhill Wildlife Centre - July 2011 -Gatekeeper Butterfly" by Gareth1953 All Right Now is licensed under CC B

Gatekeeper butterfly

- Wingspan: 3.7-4.8cm
- They're mainly brown with large orange patches in the middle of their wings.
- There is a large eyespot with a white pupil on each forewing and a smaller one on each hindwing.

Ringlet butterfly

- Wingspan: 4.2-5.2cm.
- They are dark brown in colour with a white fringe around their wings.
- They have eyespots on the underside of their wings; three on the forewing & five on the hindwing.



"Ringlet // Aphantopus hyperantus" by levgenijs Slihto is licensed under CC BY 2.0



Large white butterfly (Pieris brassicae by Smudge 9000 is licensed under CC BY-SA 2.0

Large White butterfly

- Wingspan: 5.8-6.3cm.
- Both sexes have white wings with black tips, the females have 2 black spots
 a dash on each forewing.

Orange tip butterfly

Wingspan: 4-5.2cm.
 They are mainly white with coloured wing tips. The colour differs between sexes; the males have orange tips and the females grey/black.



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"painted lady butterfly" by AndyRobertsPhotos is licensed under CC BY 2.0

Painted Lady butterfly

- Wingspan: 5.8-7.4cm.
- Both sets of wings are mainly orange, the forewings have black tips & white spots.
- Black spots can appear on both wing sets.

Small Tortoiseshell butterfly

Wingspan: 4.5-6.2cm.
 They are orange in colour with black & yellow markings on the forewings.



""Small Tortoishell. Aglaise urticae" by ailhampshire is licensed under CC BY 2

How to tell them apart:

- The Small Tortoiseshell has small blue spots on the edges of the wings, these are absent on the Painted lady.

Butterflies





"Meadow Brown Butterfly. (Maniola jurtina). Nikon D3100. DSC_0483." by Robert.Pittman is licensed under CC BY-ND 2.0

Meadow brown butterfly

- Wingspan: 4-6cm.
- This butterfly is mainly brown but with some faded orange on the forewings.
- They have one eyespot on each forewing.

Holly Blue butterfly

- Wingspan: 2.6-3.4cm.
 The holly blue has bright blue wings with black spots on the underside.
- Females have black wing edges.



"Holly Blue Butterfly (f)" by pete.

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"Speckled wood butterfly (IN EXPLORE)" by pete. #hwcp is license

Speckled Wood butterfly

- Wingspan: 4-6-5.6cm.
- They are brown with cream spots.
- They have eyespots ringed with cream; three on each hindwing & one on each forewing.

Peacock butterfly

- Wingspan: 6.3-7.5cm.
- They're a deep red with black spots and blue 'eyespots' on both sets of wings.



Peacock Butterfly. (Inachis io) Nikon D310 DSC_0378." by Robert Pittman is licensed



"Coenonympha Pamphilus" by Rinaldo R is licensed under CC BY-NC-SA 2.0

Small heath butterfly

- Wingspan: 3.3-3.7cm.
- They always rest with their wings closed, showing the brown/grey underside & one eyespot.
- Their upper wings are orange, bordered with brown & a white fringe.

Brimstone butterfly

Wingspan: 6-7.4cm.
 Both sexes have veiny & pointy wings but differ in colour. The males are a lemon yellow & the females a greenish-white with orange spots.



(Gonepteryx rhamni) male in flight.jpg" by Charles J Sharp is licensed under CC BY-SA 4.0

purple Emperor (Apatura Iris) male berniedup is licensed under CC BY-SA 2.0

Purple emperor butterfly

- Wingspan: 7-9.2cm.
- The amount of purple on the males (pictured) varies between individuals. They have white bands & orange-ringed eyespots.
- The females are brown with orange-ringed eyespots under the forewings.

Small Copper butterfly

- Wingspan: 2.6-3.6cm.
- Their forewings are bright orange with dark brown spots and edges.
- Their hindwings are dark brown & bordered with bright orange.



mall Copper Butterfly" by gailhampshire licensed under CC BY 2.0







Barn Owl

- Wingspan: 89cm. - Length: 33-39cm.

- They have a mottled silvery grey & buff back with a white underside.

- Their heart shaped face is white with black eyes.

Tawny Owl

- Wingspan: 99cm. - Length: 37-39cm.

- They're a mottled red/brown in colour, but with a paler underside.

- They have large dark eyes & a dark ring around their face.



Swallow

- Wingspan: 34cm.
- Length: 18cm.
- From above they're a glossy dark blue/black & from below they're white.
- Their forehead & throat is a deep red.
- They have a long forked tail.

Turtle Dove

- Wingspan: 50cm.

- Length: 26-28cm.

- They have an orangey brown & black patterned back, a blue grey head & pink chest.

- On the side of the neck they have a patch of three white stripes.





Blackbird

- Wingspan: 36cm.

- Length: 24cm.

- Males are completely black in colour, with a yellow ring around the eye & bill.

- Females & young ones are dark brown & the young have ginger streaks.

Common Buzzard

- Wingspan: 1.2m.

- Length: 54cm. - From above they're a

mottled dark brown, they have a paler underside & red streaks on their belly.

- They have yellow eyes, legs & feet. Their bill is black.



Cuckoo

- Wingspan: 58cm.

- Length: 32-34cm.

- Their back & head is a bluey-grey & their undersides are striped white & dark grey.

> - They have long tails & pointy wings.









Greenfinch

- Wingspan: 26cm.
- Length: 15cm.
- They are olive-green with yellow patches on the wings & tail.
- The females have a grey-green colouring & are less yellow.

Green Woodpecker

- Wingspan: 41cm.

- Length: 31-33cm.

- They are mainly olive green but have a yellow rump, red

crown & black face.

- Moustache colour differs between sexes; it is red in the males & black in the females.





Bullfinch

- Wingspan: 26cm.
- Length: 16cm.
- The male has a striking rose-red breast, black cap, short black bill and grey back.
- The females have a similar colour pattern, just duller.

Chaffinch

- Wingspan: 26cm.
- Length:14-16cm.
- Both sexes have blue/grey or pinkish bills and a patterned plumage.
- The males have a pink breast, blue-grey crown and brown back. Whereas the females & young are brown.





Fieldfare

- Wingspan: 40cm.
- Length: 24-26cm.
- They have a chestnut brown back, a yellow breast & dark wings.
- Their tail is black & their head & rump a light grey.

Brambling

- Wingspan: 25-26cm.
 - Length:14cm.
- In summer the males have a glossy black head & back.
 - But in the winter they are
- paler. Females however have a brown & grey head.
- In both sexes the shoulder is a rusty red colour.



Red Kite

- Wingspan: 1.8m.
 - Length: 58-64cm.
- They have a reddish brown plumage, wings & tail. Their head is pale with dark streaks.
 - Their angled wings have black tips & white patches underneath.
 - Their tail is forked.







"Fauvette a tete noire (Sylvia atricapilla) - Eure et Loir" by LUMIKS LUMIKS is licensed under CC BY-NC-SA 2.0

Black cap

Wingspan: 22cm.Length: 13-14cm.

- Both sexes are dark grey with different coloured caps. Males have a black cap whereas females have a gingery brown cap.

Robin

Wingspan: 21cm.Length: 14cm.

- They're very recognisable with their brown back, white underside & red breast.

- Juveniles are gold & brown in colour but maintain a prominent chest.



Robin" by f.c.franklin is licensed under CC



""Spotted Flycatcher (Muscicapa striata)" by gilgit2 is licensed under CC BY-SA 2 0

Spotted Flycatcher

Wingspan: 24cm.Length: 14cm.

- Greyish brown in colour, with a paler underneath, they have a steaky breast & crown.

Hobby

Wingspan: 87cm.Length: 33-38cm.

- They're dark grey from above & paler underneath.

 They have black streaks on their belly & red legs.

- Their throat & cheeks are white & they appear to wear a mask.



Eurasian Hobby (Falco subbuteo)" by ilgit2 is licensed under CC BY-SA 2.0



onySutton410 is licensed under CC BY-NC-ND 2.0

Long tailed tit

- Wingspan: 18cm.

- Length: 14cm.

- As the name suggests, the tail of this bird is longer than it's body.

Their tail & back is black& white, their underneatha pale pink and head white.

Woodcock

- Wingspan: 58cm.

- Length: 33-35cm.

 They are chunky brown birds with black & grey patterns & black bars across the crown.

 They have short grey/pink legs & a long straight bill.



Peregrine's Bird Photography is marked with CC PDM 1.0



"Eurasian Tree Sparrow (Passer montanus malaccensis)" by Lip Kee is licensed under CC BY-SA 2 00

Tree Sparrow

- Wingspan: 21cm.

- Length: 14cm.

- Both sexes have chestnut brown backs & crowns, buff undersides, white cheeks with black spots.

Walking in the wood, what can you see?

Grey Squirrel

How many?

Where are you?

"Grey Squirrel (Sciurus carolinensis)" by Peter O'Connor aka anemoneprojectors is licensed under CC BY-SA 2.0







Peacock Butterfly. (Inachis io) Nikon D3100. DSC_0378." by Robert.Pittman is licensed under CC BY-ND 2.0



Where are you?

How many?

'Anyphaena accentuata (femelle)" by Philippe Garcelon is licensed under CC BY-NC-SA 2.0





How many?

"A 7-Spotted Ladybird (Revisited)" by bbusschots is licensed under CC BY-NC-ND 2.0

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Where are you?

'muntjac deer" by LHG Creative Photography is licensed underCC BY-NC-ND 2.0



Robin" by f.c.franklin is licensed under CC BY-SA 2.0

Where are you?

How many?

How many?

Where are you?

Meadow Brown

"Meadow Brown Butterfly. (Maniola jurtina). Nikon D3100. DSC 0483." by Robert. Pittman is licensed under CC BY-ND 2.0

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Turtle Dove How many?

Where are you?

Where are you? How many?

Turtle Dove (Streptopelia turtur)" by Mibby23 is licensed under CC BY-NC 2.0









Habitat Guide: Heaths











Mammals





Dortmund-Zoo.jpg" by Mathias Bigge is licensed under CC BY-SA 3.0

Red Deer

- They are the largest deer in the UK.
- They have russet-brown fur with a paler rump & tail.
- The males (as pictured) have large branching antlers that increase in size as they age.

Rabbit

They have grey/brown fur & a white fluffy tail.
They are much smaller than the hare, with shorter ears in proportion to their body & no black tips present on their ears.



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Reptiles & Amphibians



"Vipera berus" by AlexandreRoux01 i licensed under CC BY-NC-SA 2.0

Adder Snake

- Both sexes have a dark zig-zag pattern down their back & red eyes.
- Males are a silvery grey.
- Females are a lighter reddish brown.

Common Lizard

- Their colour can vary but they tend to be brownish grey.
 - Down their back & sides there are often dark spots & stripes.
- Belly colour differs between sexes; they're orange or yellow in the males but plain in the females.



File:Viviparous lizard (Zootoca vivipara) in the Aamsveen, The Netherlands.jpg" by Octrou is licensed under CC BY-SA 4.0



O'Connor aka anemoneprojectors is licensed under CC BY-SA 2.0

Slow worm

- Length: 40-50cm.
- They are a golden/grey in colour.
- The females have dark sides & a dark stripe down their back.
- Blue spots are sometimes present on the males.

Common Toad

Length: 8-13cm.
They have olive brown warty skin & copper eyes.
Unlike the common frog, they walk instead of hop & so have short back legs.



"Bufo bufo bufo (Hauts-de-Seine 92)" by aurent Lebois © is licensed under CC B.





Red Kite

- Wingspan: 1.8m. Length: 58-64cm.
- They have a reddish brown plumage, wings & tail. Their head is pale with dark streaks.
- Their angled wings have black tips & white patches underneath.
- Their tail is forked.

Hobby

- Wingspan: 87cm. - Length: 33-38cm.
- They're dark grey from above & paler underneath.
- They have black streaks on their belly & red legs.
- Their throat & cheeks are white & they appear to wear a mask.





Woodlark

- Wingspan: 27-30cm.
- Length: 15cm.
- They are stripy brown in colour with a buff coloured eye stripe.
- They have a spikey crest on their head.

Nightjar

- Wingspan: 60cm.
- Length: 26-28cm.
- Most likely to be seen at dusk, their bark-like plumage helps them camouflage.
- Their head is flat with small bills & large eyes.
- Males have white patches on the wings & tail.



Beetles & Spiders

Green Tiger Beetle

- Found in sand dunes during warm weather, they are large with a metallic-green head & body.
- Their eyes & legs are a purple/bronze & their wing cases have cream spots on them.

Ground Beetle

- Length: 8-11mm.
- They are mainly black with a green metallic reflection & have 6 brown legs.
 - Their antennae are long & amber/orange in colour...



Wolf Spider

- They can be found on the ground in sand dunes. - Their hairy bodies are 6-8mm in length with long
- They are patterned in brown, dark grey & black.



Bees & Butterflies



"White-tailed bumblebee (Bombus lucorum) worker 1 of 2" by Allan Hopkins is licensed

White-tailed bumble bee

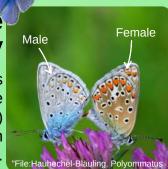
- Length: up to 2cm.

- They are black with two lemon yellow stripes on their back & a white tail.

Common Blue butterfly

The colouring of the sexes differ, the upper wing of the male is bright blue (above)

 & the female brown with blue around their body.
 Both sexes look different when their wings are closed (pictured on the right).



icarus Paarung 1.JPG" by Böhringer Friedrich is licensed under CC BY-SA 2. "Common Blue (Polyommatus icarus)" L Christian R. Hamacher is licensed unde CC BY-NC-SA 2.0



Small Copper Butterfly" by gailhampshire

Small Copper butterfly

- Wingspan: 4-5.2cm

- They are mainly white with coloured wing tips. The colour differs between sexes; the males have orange tips and the females grey/black.

Wall Brown butterfly

Wingspan: 4.5-5.3cm.
 They are mainly pale orange with grey/brown markings & black eyespots.

 There is one large eyespot present on the forewings & four small ones on the hindwings.



Wall Brown butterfly" by naturalengland licensed under CC BY-NC-ND 2.0



"Coenonympha Pamphilus" by Rinald R is licensed under CC BY-NC-SA 2.

Small heath butterfly

- Wingspan: 3.3-3.7.

- They always rest with their wings closed, showing the brown/grey underside & one eyespot.

Their upper wings are orange, bordered with brown & a white fringe.

Butterflies



"painted lady butterfly" by AndyRobertsPhotos is licensed under CC BY 2.0

Painted Lady butterfly

- Wingspan: 5.8-7.4cm.
- Both sets of wings are mainly orange, the forewings have black tips & white spots.
- Black spots can appear on both wing sets.

Small Tortoiseshell butterfly

Wingspan: 4.5-6.2cm.
 They are orange in colour with black & yellow markings on the forewings.



""Small Tortoishell. Aglaise urticae" by ailhampshire is licensed under CC BY 2

How to tell them apart:

- The Small Tortoiseshell has small blue spots on the edges of the wings, these are absent on the Painted lady.



Large white butterfly (Pieris brassicae by Smudge 9000 is licensed under

Large White butterfly

- Wingspan: 5.8-6.3cm.
- Both sexes have white wings with black tips, the females have 2 black spots & a dash on each forewing.

Orange tip butterfly

Wingspan: 4-5.2cm.
 They are mainly white with coloured wing tips. The colour differs between sexes; the males have orange tips and the females grey/black.



ange Tip Butterfly" by Trev Grant

Large Skipper butterfly

- Wingspan: 2.9-3.6cm.
 Their red-brown wings are bordered with dark brown patches & have small orange dots present.
- The males have a small black stripe down the middle of their forewings.



"Large Skipper (Ochlodes sylvanus)" by pete. #hwcp is licensed under CC BY 2.

What can you see at the Heath?

Where are you?

How many?

"Lapin de garenne (Oryctolagus cuniculus)" by fra298 is licensed under CC BY-NC-ND 2.0

Adder

"Vipera berus" by AlexandreRoux01 is licensed under CC BY-NC-SA 2.0



Woodlark

How many?



"File: Škovránok stromový (Lulluľa arborea) 2.jpg" by Andrej Chudy is licensed under CC BY 2.0



How many?

Where are you?

"Coenonympha Pamphilus" by Rinaldo R is licensed under CC BY-NC-SA 2.0



How many?

White-tailed bumble bee

How many?



White-tailed bumblebee (Bombus lucorum) worker 1 of 2" by Allan Hopkins is licensed under CC BY-NC-ND 2.0

Green Tiger Beetle

Where are you?

Where are you? How many? Common Toad

Bufo bufo (Hauts-de-Seine 92)' by Laurent Lebois © is licensed under CC BY 2.0

How many?

Where are you?

"Wall Brown butterfly" by naturalengland is licensed under CC BY-NC-ND 2.0

Where are you? How many?

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Nightiar