High Elms Country Park Local Nature Reserve



Green Street

358

Farnboroug

High Elms
Country Park

Local Nature Reserve



How to Get There ..

High Elms Country Park can be reached using the following bus routes:

R1 Green St. Green to St. Paul's Cray via Chelsfield, Orpington and St. Mary Cray

R5 (Mon-Sat) Petts Wood Stn to Halstead via Orpington, Green St. Green and Cudham/Pratts Bottom

R8 (Mon-Sat) Orpington to Biggin Hill via Green St. Green, Shire Lane and Downe

R11 Green St. Green to Sidcup via Orpington, St. Mary Cray, St. Paul's Cray and Footscray

146 (Mon-Sat) Bromley North Station to Downe via Hayes and Keston

261 Green St. Green to Lewisham via Farnborough, Bromley, Grove Park and Lee

358 Orpington to Crystal Palace via Green St. Green, Farnborough, Bromley, Eden Park, Beckenham, Penge and Anerley

402 (Mon-Sat) Bromley North to Tunbridge Wells via Farnborough, Green St. Green, Knockholt, Sevenoaks, Hildenborough and Tonbridge

Trains: Nearest Station: Orpington.

Correct at time of going to press. Latest information from Traveline: 020 7222 1234

BEECHE (Bromley Environmental Education Centre at High Elms)

Whilst at High Elms, why not drop into the Visitor centre where there are walks leaflets, countryside information, interactive displays and ranger staff available to assist you.

Open weekends: 11.00am - 4.00pm and school holidays: Mon, Wed, Fri 1.30pm - 4.00pm.

Rooms available for hire on request. The Green Roof Cafe is open from 10am daily.

Bromley Countryside Service

For up to date information about Bromley's Countryside, including accessibility and nature trails, or if you are interested in High Elms Country Park and would like to become more involved in the Local Nature Reserve, contact Bromley Countryside Service on 01689 862815, email countrysideandparks@bromley.gov.uk or see www.bromleybiodiversity.co.uk.

EMERGENCY PHONE: 020 8464 4848

The Wildspace Project Promotes Local Nature Reserves for Local People.



A Wildspace Project supported by English Nature and the New Opportunities Fund





What to see at High Elms

Much of the 200 acres of High Elms Country Park is a Site of Special Scientific Interest because the chalky soil supports species-rich grassland where rare orchids grow, and its ancient woodland is home to endangered dormice. Some of the plants and animals you will be able to see on the way around the nature trail indicated by posts, (tick the circles). Others may be anywhere in the park and are shown in some of the pictures opposite. How many can you spot?

Score: 10-20 Wild, 20-30 Amazing Animal, over 30 Dynamic Dormouse!

Looking back to the past William the Conqueror gave land here to Bishop Odo of

Bayeux in 1067, and for centuries it was sheep grazed, but when ancient woodland was cleared for pasture, some was left for fuel and timber and some kept as hedgerows, now within woodland again. In 1808 the estate was sold to a banking family called Lubbock and in 1842 a new house was completed for John William Lubbock, a mathematician and astronomer. The same year Charles Darwin moved to nearby Downe and the two men became friends. Darwin persuaded Lubbock to buy his son, John, a microscope and as a teenager John did some illustrations for Darwin's books. He grew up to be a staunch Darwin supporter and published important work as an entomologist, archaeologist, and botanist as well as popularizing natural history and working in the family bank. He was also a social reformer, and on becoming a politician in 1870, introduced bills including the Bank Holiday Act (1871), the Wildbirds Protection Act (1880) and the Open Spaces Act (1896). He saved Avebury Stone Circle from developers and was created Lord Avebury in 1900. In 1938 High Elms was sold to Kent County Council; from 1943 some of it was leased to the Forestry Commission. In 1967 the mansion burnt down and in 1968 the

How to get around

London Borough of Bromley took over the estate.

High Elms Trail is marked by 20 numbered posts, banded in pale blue (see inside leaflet). It is about 3.5km (2¹/4mls) long and may be muddy at times with steps as shown on the map and some gradients of >12%. High Elms Road has to be crossed in 2 places. Please follow the Country Code, keep to the footpaths and remove your dog waste. Horse riding and cycling allowed on bridleway only. Bromley Parks and Open Spaces By-laws apply.



A John Lubbock (1834-1913): Fellow of the Royal Society (proposed by Charles Darwin).



SOME OF THE THINGS HE WORKED ON AT HIGH ELMS





D Queen Yellow Meadow Ant from his book, 'Ants, Bees and Wasps', which describes research into the lives of ants and observations of the same ant colonies which lived between sheets of glass for many years at High Elms.

Bee Orchid- Lubbock researched the relationship of this plant's structure with insects.

V Elephant Hawkmoth- He wrote about caterpillar camouflage on their foodplants, willowherb.

SOME OF THE PLANTS AND ANIMALS THAT MAKE HIGH ELMS SPECIAL

You will not be able to see all of these. They are rare and protected.

Dormouse. This one is very sleepy, they are nocturnal, live in the tree canopy in summer, and hibernate for 7 months of the year.

Clouded Magpie Moth. Caterpillar eats elm

6 Man Orchid: Nationally scarce

H Yellow-necked Mouse: Associated with

ancient woodland, good climbers. Note yellow collar

Green Hellebore: related to buttercups, uncommon or locally rare















SEE HOW MANY DIFFERENT CONIFER TREES YOU CAN FIND

Conifer trees from around the world were planted by the Lubbock family in the parkland. How many different ones can you spot? The cones stay on the trees for a long time and are good clues.

J Douglas Fir from North America; note little bract scales showing between cone scales.

> Wellingtonia: Feel the thick spongy bark, fire resistant as it doesn't contain resin. May live to 3500 years old in its native California.

> > L Coast Redwood (Sequoia). Another Californian conifer, note similar bark. The tallest living thing on earth (may grow to 110m).

Cedar trees: upright cones like candles break up on tree releasing winged seeds. Blue Atlas Cedar from North Africa grows along the driveway.

> N Corsican Pine: tall, grev-barked tree near the car park.









Toothwort grows here in spring, this parasitic plant has no need of green leaves: it attaches itself to the roots of trees such as elm, from which it gets all the food it needs. To your left is a patch of sweet violets, some with white flowers in April.





Sweet Violets

Hedgerows provide food, shelter and safe passage for many different animals from tiny minibeasts to voles, stoats and birds such as the long-tailed tit which nest here. Look for spikey blackthorn often used as a stockproof barrier, and the wayfaring tree whose young twigs are so flexible that they were used to bind faggots in the past.



Blackthorn





Chalk grassland on a sunny slope like this may have as many as 40 plant species/m2 and many different minibeasts live here. Keep to the paths, but see how many different plants you can see near this post. Listen for the laughing cackle of green woodpeckers, look for their droppings which look like cigarette ash but contain insect remains and show where they have stopped for a meal of yellow meadow ants.

As you walk downhill, the grasses become coarser as the soil beneath becomes deeper, with added clay particles from small patches of clay-with-flints which have washed down slope. In the summer you can smell sweet marioram, a herb often used in cooking. Look for goatsbeard and pyramidal orchids. Butterflies like the small copper drink nectar from the flowers.



Small Copper Butterfly



Hazel trees in this old picnic site are Hazel leaves managed by & catkins coppicing. This means they are cut to ground level every 8-15 years, allowed to regrow and harvested for poles and fencing. Dormice use green hazel leaves and shred honeysuckle for their summer nests. Look for old hazel nut shells with small round holes as you walk through the woods, and see if you can guess which small mammal ate the nut.



Woodpecker Dropping Glaucous



Perforate St. John's Wort



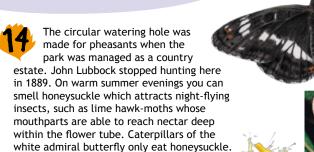






Common Lizard

This area was planted with larch in the 1940s to supply timber as part of the post-war effort to improve people's lives. Larch are one of the few conifers to shed their needles every year and the slightly increased soil acidity caused by their breakdown suits wood sorrel. In sunny places, if you are very quiet, you may be lucky enough to spot a common lizard basking.



Honeysuckle

Other beetles such as cardinal beetles live under the bark of dead trees

and eat other insects.

These rare butterflies have been seen in

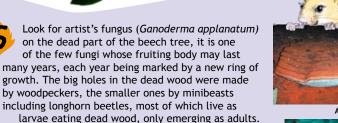
the park and seem to

common. Please let us

know if you see one.

be becoming more





Artists Fungus





Longhorn Beetle Strangalia maculata

The magnificent beech trees were planted about 1840 in memory of the 2nd baronet but many were lost during the hurricane in 1987 so young trees have been planted to replace them. Beech may grow to 36m (120ft) and live for 200 years. Beech nuts produced in large numbers about every 7 years are food for mice and birds. As you continue, look for pink campion, wild privet and evergreen spurge laurel which all grow well on chalky soils.



Norway maple was planted here

in the 1940s because it is a fast

growing hardwood that could

be used for turnery or kitchen wares.

The numbers of these exotic trees are

species to grow because these support more wildlife. Closely related sycamore also grows here. Below the trees are the separate male and female plants of dog's mercury. The female plants are

being reduced, allowing more native







Shortcut to Posx



Old Man's Beard



Look for old man's beard which may live for 60 years but only grows on chalky soil. Its stems can grow 17m (50ft) long as they twine around other plants growing up towards the light.

Continue to a crossroads. When you cross the NE-SW path you are crossing an old racecourse which was put in by the 3rd Baronet. The last race meeting in 1864 attracted 40,000 people.



Mosses and fungi grow on the remains of trees blown over in 1987 which were used to line the path. The earliest fossil mosses date back about 300 million years and they seem

to have changed little for much of this time. They are very simple plants so they do not grow very big and need to live in places that are damp for at least part of the year. Fungi are breaking down the wood, returning nutrients to the soil. The parts you see in autumn are the fruiting bodies which produce millions of spores.

Just before you reach the lawns, notice the charcoal burner on the right, which uses some of the timber harvested from the sustainably managed woodlands.





(Eurhynchium praelongum)

Plums & Custard



We hope you enjoyed the trail, come again soon.



The kissing gate dates back to when the golf course was cattle grazed. Root plates where trees have fallen show the underlying chalk and very thin soil, while the many yew trees cast deep shade. Their wood is flexible and so was highly valued in the middle ages for longbows.

Sycamore



