

Loughborough Campus Biodiversity

Bumblebee Transects

Our campus is home to the big 7 species of Bumblebee.

From April to September, we collect data on the number and species of bees on campus.

Staff, students and members of the public can volunteer to join the rota which will involve about 1 event per month.

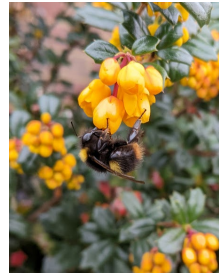
The route takes approximately 40 minutes to walk and is dependent on dry warm conditions between 10am and 2pm.

Training will be provided.

For further information please contact environment@lboro.ac.uk



Bees



Butterfly Transects

Hollywell Park is home to 17 species of butterfly and 345 individual butterflies were spotted in 2022.

From April to September, we collect data on the number and species of butterflies on campus.

Staff, students and members of the public can volunteer to join the rota which will involve about 1 event per month.

The route takes approximately 1 hour to walk and is dependent on dry warm conditions between 10am and 2pm.

Training will be provided.

For further information please contact environment@lboro.ac.uk



Section 3: Follow the path along the hedge eventually turning southwards. Pass through a gap in the hedge and onto the road. This ends the section.

Section 4: Follow the track to cross Oakwood Drive. Continue along the opposite side. The section ends at the gate to the Bathaus.

Section 5: Follow the track with the woodland on your left. The section ends at the path leading into the woodland on your left just before a gate.

Section 6: Follow the path NE and then take a turning N (through a holly bush). The footpath eventually turns NE again and passes a Forest School on the left. The section ends shortly afterwards on the boardwalk and the beginning of a ride to your right.

Section 7: Leave the boardwalk and walk south along the ride. The section ends when you reach the footpath at the end of the ride.

Section 2: Follow the hedgerow on the right. This section ends at the hedge at the rear of the ATIC building.

Section 1: Starts at the footpath leaving Oakwood Drive and ends at the hedgerow starting on the right hand side after the building.

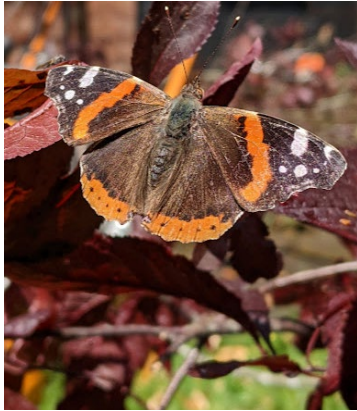


LU Holywell Butterfly Transect

Section 10: Turn right after crossing the bridge and follow the footpath to Oakwood Drive. The section ends at Oakwood Drive.

Section 8: Turn left onto the path and head NE along the path. The section ends at the woodland gate.

Section 9: Turn left at the gate and follow the woodland edge to join a path. The section ends at the end of the bridge on this footpath.



Butterflies and Moths

Hedgehogs

We are a Hedgehog Friendly Campus and achieved our Bronze Award for 2022/23

Our submission was praised for the range of actions that we had taken and staff and student involvement.

The next step is to achieve silver requiring us to replace habitats and reduce hazards.

If you want to be involved in our Hedgehog Friendly Group contact environment@lboro.ac.uk.



HEDGEHOG FRIENDLY CAMPUS

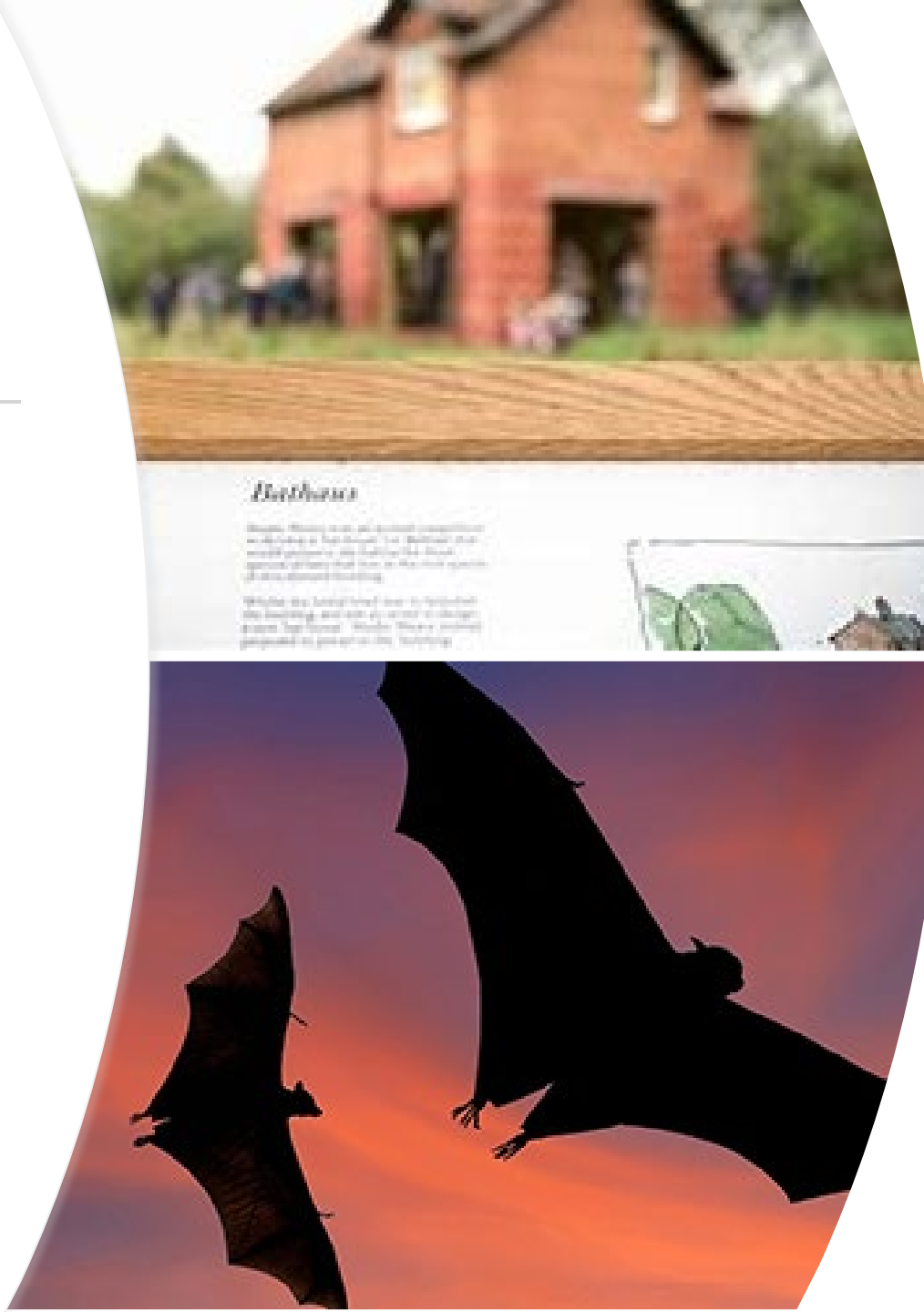
BRONZE AWARD  **2022/23**

Bats

We have historically recorded 6 species of bat on Campus.

Keep an eye out for our dusk bat walks.

In 2018 a colony of brown long-eared bats were found in an old cottage on campus which has been transformed into an art installation known as Bathaus. New surveys will be required to determine whether this species still lives on campus.





Birds

There are at least 45 different species of birds on campus.

18 species are known to breed on campus, including our kestrels which have returned year after year to nest.





Insects

Our diverse campus habitat provides a home for numerous insects, including 159 species of moth.

This campus also boasts the world's largest aphid, appropriately named the Giant Aphid.

Woodlands

Our campus hosts 2 woodlands
Hollywell Woods and Burleigh
Woods.

Hollywell and Burleigh Woods are
ancient woodlands with recorded
history dating back at least 900
years.

We host regular guided woodland
walks throughout the year to
promote student and staff
wellbeing.

Spring is an excellent time to visit as
this is when the bluebells flower
and people can join us on our
guided bluebell walks.



Trees

Trees are important parts of our urban landscape as they enhance biodiversity and wellbeing.

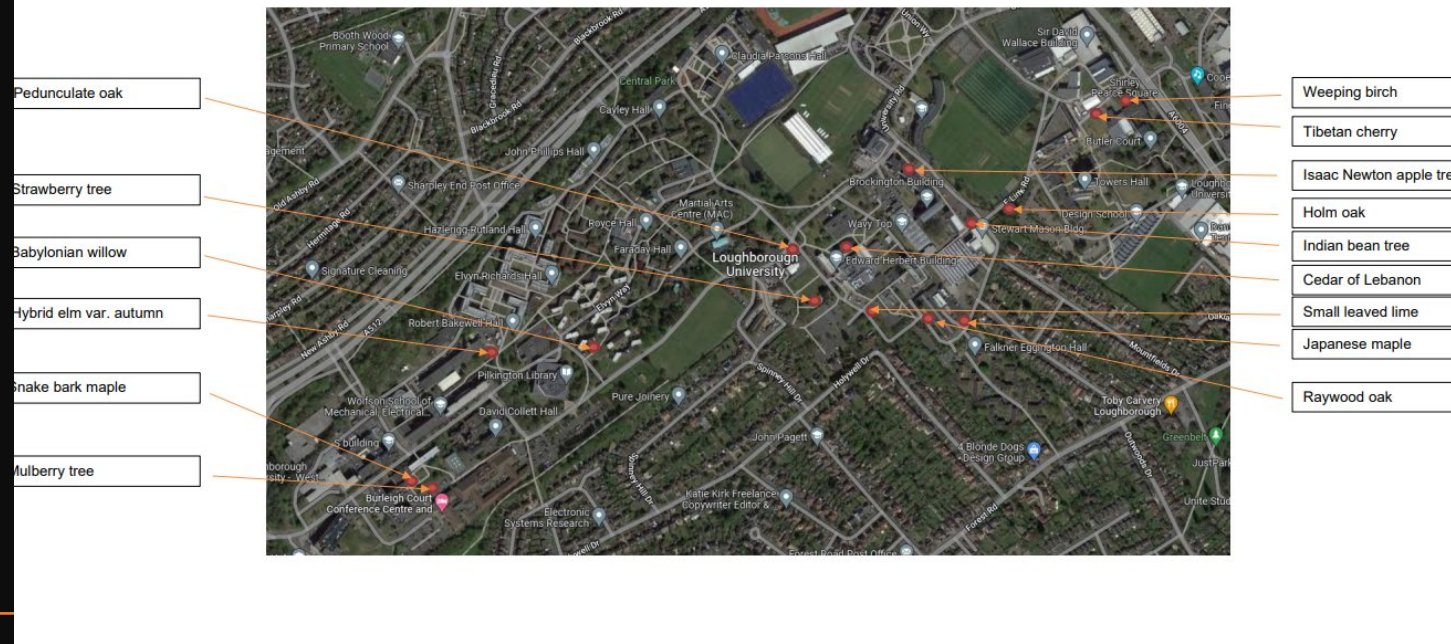
The campus has thousands of trees some of which date back hundreds of years.

Some notable trees include:

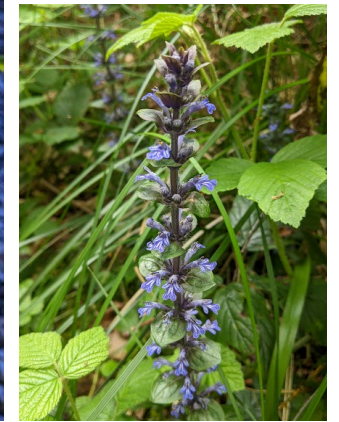
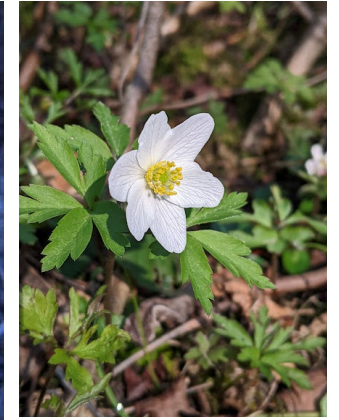
- Cedar of Lebanon outside EHB which comes from the original estate and is approximately 188 years old
- Pedunculate Oak south-west of International House which is 150-300 years old
- Pedunculate Oak south-west of Hollywell Building which is 250-300 years old

Trees of interest are identified by Tree Necklaces which have been produced using campus oak and detail the species. As per the background map.

Map of locations of trees with tree necklaces



Plants



Wherever possible the gardens team strive to plant many species of plant to support pollinators, which play an essential role in biodiversity.

They provide nectar, pollen and specific host food for native insects and their larvae, which in turn, sustain local and migrating birds, bats and other wildlife.



Fungus

The campus woodlands contain multiple species of fungus which come in a variety of shapes, colours and sizes and support the ecosystem.

Top images from left to right: Sulfur Tuft, Jelly Ear, King Alfred's Cakes, Beefsteak.

Bottom images: Candle Snuff, Giant Puffball



A photograph of a garden scene. In the foreground, a woman in a red top is smiling and holding a black bag. To her left, a man in a white t-shirt with 'EAST BAY' printed on it is holding a long wooden handle. In the background, several other people are visible, some wearing aprons, working in the garden. A trellis of pink roses arches over the scene. The overall atmosphere is bright and sunny.

Fruit Routes

Fruit Routes is a unique project and art installation established in 2011.

It provides a rich habitat for people, plants, insects and animals and hosts cultural activities.

The Fruit Routes and its orchards are open to students, staff and the public to enjoy year-round and all are welcome to the fruit produced.

For further information including our Fruit Routes Recipe Book, Map and publications visit:

<https://fruitroutesloughborough.com/>

or contact:

environment@lboro.ac.uk

This map shows the main Fruit Route on campus. This route is around 1km long. We have planted over 54 different varieties of edible fruit and nut trees and over 550 hedgerow trees (blackthorn, elder, wild cherry, wild plum, crab apple, wild rose, dog rose, guelder rose, rowan, hawthorn and hazel) around the route for foraging and wildlife.

FRUIT ROUTES



Cherry Circle Inset
 Located outside the front entrance to the Art School.
CHERRY CIRCLE
 136. Cherry Summer Sun Eater Pick late July
 137. Cherry Regina Eater Pick mid/late July
 138. Cherry Stella Eater Pick late July
 139. Cherry Sunburst Eater Pick mid July
 140. Cherry Dun Eater Pick mid June to mid July
 141. Cherry Summer Sun Eater Pick late July

Cardan/Erpeltier along David Boyle Building
 109. Apricot Eater
 110. Pear Blou Morceau
 111. Pear Concorde Eater Pick Oct use until Dec
 112. Orange Pambandi Eater Pick late October
 113. Apricot Early Maupain Eater Pick late July
 114. Quince Kestrel Prairie Cooker Pick early Oct
to dip by David Davies Buildings
 115. Mulberry Chelsea Eater Eat from tree in Aug
 116. Chestnut Narigalia Cooker Pick Oct/Nov
 117. Walnut Breckwe Eater/Cooker Pick from ground Sept/Oct
 118. Quince Champion Cooker Pick Oct

Transcendental Orchard
 To left side of Pilkington Library
 119. Crab Apple Flan's Edge Pick Oct good for cooking and wildlife
 120. Cherry Worsle Cooker Pick Aug or leave on tree and eat when black
 121. Crab Apple Flan's Edge Pick Oct good for cooking and wildlife
 122. Crab Apple John Doane Pick Oct good for cooking and wildlife
 123. Almond Inghis Eater/Cooker Pick Sept
 124. Cherry Worsle Cooker Pick Aug or leave on tree and eat when black
 125. Crab Apple John Doane Pick Oct good for cooking and wildlife
 126. Crab Apple John Doane Pick Oct good for cooking and wildlife
 127. Crab Apple Flan's Edge Pick Oct good for cooking and wildlife
 128. Cherry Sonia Eater Pick late July
 129. Cherry Worsle Cooker Pick Aug or leave on tree and eat when black
 130. Almond Inghis Eater/Cooker Pick Sept
 131. Plum C&S Golden Drop Eater/Cooker Pick late Sept

To right of Pilkington Library
 132. Pear Doyenne du Comice Eater Pick Oct
 133. Apple James Grieve Eater/Juice Pick Sept
 134. Pear White Nellie Eater/Cooker Pick late Oct/Nov use until March
 135. Pear Doyenne du Comice Eater/Cooker Pick Oct

< to West Entrance

CIDER ORCHARD

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BURLEIGH ORCHARD

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Cider Orchard
 92. Sweet Chestnut Pick from ground after Oct/Nov storms
 93. Sweet Chestnut Pick from ground after Oct/Nov storms
 94. Sweet Chestnut Pick from ground after Oct/Nov storms
 95. Crab Apple John Doane Pick Oct good for cooking and wildlife
 96. Crab Apple John Doane Pick Oct good for cooking and wildlife
 97. Apple Falsie Y Eater Pick Sept/Oct good for juice
 98. Sweet Chestnut Pick from ground after Oct/Nov storms
 99. Sweet Chestnut Pick from ground after Oct/Nov storms
 100. Sweet Chestnut Pick from ground after Oct/Nov storms
 101. Apple Hairy Marmoset Cooker Pick Sept/Oct use until Jan
 102. Apple Zorro Apple Cooker Local variety Pick Oct use until Jan
 103. Apple Doherty Cider/Juice Pick Nov drops to ground when ripe
 104. Apple H'ngston Black Cider/Juice Pick Nov drops to ground when ripe
 105. Apple H'ngston Black Cider/Juice Pick Nov drops to ground when ripe
 106. Apple H'ngston Black Cider/Juice Pick Nov drops to ground when ripe
 107. Apple Anne Elizabeth Cooker Local variety Pick Oct use until Jan
 108. Apple H'ngston Cider/Juice Pick Nov drops to ground when ripe

Burleigh Orchard
 76. Apple Bramley's Seedling Cooker Origin Nottingham Pick Oct use until March
 77. Cherry Morella Cooker Pick Aug or leave on tree and eat when black
 78. Cherry Morella Cooker Pick Aug or leave on tree and eat when black
 79. Cherry Morella Cooker Pick Aug or leave on tree and eat when black
 80. Apple Ayrle Elizabeth Cooker Local variety Pick Oct use until Jan
 81. Greening apple Golden Eater/Cooker Pick mid-Aug
 82. Cherry Morella Cooker Pick Aug or leave on tree and eat when black
 83. Greening apple Golden Eater/Cooker Pick mid-Aug
 84. Plum Victoria Eater Pick Aug/Sept
 85. Apple Winter Gem Eater Pick Oct use until March
 86. Apple Laxton Super Eater Pick Sept/Oct use until Feb
 87. Diamond Favourite Cooker Pick Sept
 88. Apple Laxton Super Eater Pick Sept/Oct use until Feb
 89. Plum Victoria Eater Ripe Aug/Sept
 90. Apple Maudslayi Nurseries Eater/Cooker Pick Sept use until Dec
 91. Greening apple Golden Eater/Cooker Pick mid-Aug

BAREFOOT ORCHARD
 See detailed map of Barefoot Orchard website for tree identification by numbers

Freeman Orchard
 1. Apricot Early Maupain Eater Pick late July
 2. Apricot Early Maupain Eater Pick late July
 3. Cherry Sonia Eater Pick late July
 4. Crab Apple Kestrel Prairie Cooker Pick Oct/Nov good for cooking and wildlife
 5. Pear Concorde Eater Pick Sept
 6. Pear Doyenne du Comice Eater/Cooker Pick Oct
 7. Cherry Early Rivers Eater Pick early/mid June
 8. Cherry Early Rivers Eater Pick early/mid June
 9. Cherry Stella Eater Pick late July
 10. Plum Victoria Eater Ripe Aug/Sept
 11. Cherry Merton Bignone Eater Pick mid July
 12. Cherry Early Rivers Eater Pick early/mid June

The white boxes have information about tree types, variety and guidelines on the best time to harvest. Harvest time can vary from year to year. Using touch, colour, taste and smell can help you decide if the fruit is ready to pick. It is often tempting to pick too early! Most fruit comes off the tree into your hand easily when ripe although pears ripen off the tree. Most varieties of pear and apple can be juiced. Note that some fruits have to be eaten quickly e.g. mulberry, and others store well in cool conditions. More on harvesting at www.fruitroutes.loughborough.wordpress.com

- Key**
- Fruit Route
 - Buildings
 - Roads or car park
 - Fruit Routes planted trees
 - University boundary

Image by Barry & Jane Moore for Loughborough University