



Have your sightings confirmed by an expert. Upload your photos to iRecord. This helps support real scientific research. Thank you! The The effo of p the Par the

#### The Small Print

The Pollinator Trail spotter guide and map are subject to copyright 2018. All rights reserved. Every effort has been made to ensure that the information in The Pollinator Trails are accurate at the time of printing. We cannot be held responsible for any unforeseen changes that interfere with finding the information boards and the Bug Brain Teasers.

Participants must accept full liability and are solely responsible for the safety of themselves and their party on The Pollinator Trails. We cannot be held responsible for the loss or damage to property, or accident or injury to life or limb incurred whilst on either Trail.

st DAVIDs Pollinator \* Trail \* Helfa Beillwyr Tyddewi

The St Davids Pollinator Trail spotter guide has been designed by Charlotte Skeate in conjunction with The Bug Farm. Scientific illustrations by Chris Shields.





Check out Wales' Action Plan for Pollinators webpage to see if you could make your school or business Bee Friendly too! This project has been coordinated by Dr Beynon's Bug Farm. It is part funded via the Welsh Government's Tourism Product Innovation Fund which aims to encourage new innovative product ideas working in partnership which will have a greater impact and attract more visitors. The Pollinator Trail has also been supported by Biodiversity Solutions. These spotter guides are also available in Welsh. Download your copy from the Pollinator Trail webpage: www.thebugfarm.co.uk/pollinator-trail

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### The St Davids **Pollinator Trail**

Nestled within the Pembrokeshire Coast National Park is St Davids - the smallest city in the UK. But St Davids is not the only small thing around here! Buzzing and fluttering amongst gardens, meadows, homes and businesses are thousands of small, but very important little creatures...

Insect pollinators move pollen from one plant to another, enabling the plant to produce seed and fruit. Much of the food we eat relies on this process. However, many insect pollinators are in trouble! Over 250 species are now in danger of extinction and they need your help to provide them with food, shelter and safe places to live.

The St Davids Pollinator Trail is here to celebrate the wonderful world of insect pollinators and to help you learn more about them. We hope to highlight some wonderful places to visit in St Davids and provide some simple ways in which you can help look after the wildlife that resides here.

### **Pollinators in Britain**

ST DAVIDS

Pollinator

\* Trail .

HELFA

BEILLWYR

TYDDEW

**Spotter Guide** 

& Map

In Britain there are...

species of insect

pollinator







24 species of bumblebee









species of

honey bee

Sadly our pollinating insects are in decline because they haven't got enough food or safe places to live.

#### of British wildflower meadows have been lost since the 1930's (that's an area 1.5 x the size of Wales)



have declined in the last 40 years



**L** O

# Welsh works of art

At each site on The Pollinator Trail, we are delighted to display a piece of Welsh artwork. Each piece has been created especially for the Trail and influenced by the pollinator showcased at the site. This linking of art and science can help to inspire a wide range of people. Here, creativity meets conservation!

For more information about these artists and their work please see the Pollinator Trail webpage www.thebugfarm.co.uk/pollinator-trail

**Carolyn Hindmarsh** Sculptor (wood)

Catrin Webster Painter and sculptor

**Clare Wimperis** Painter

**Deborah John** Textile artist

Fran Evans Painter and illustrator

Melanie Boorman Glass artist

Could you become an artist? Perhaps you could take your own photographs or even draw a picture of your favourite pollinator or the area in which it lives. Share them with us #StDPT #pollinatortrailart



@thebugfarm

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@DrBeynonsBugFarm

**Myles Mansfield** 

Sculptor (metal)

**Jackie Morris** Painter and illustrator

Maddie Janes

Mosaic artist

**Pauline Beynon** 

Painter

Sarah Sharpe

Painter and photographer

**Carly Wilshere-Butler** 

Artist (mixed media)

00% of larger moths

# **Trail guidelines**



### Choose your Trail: City, Explorer or both!

The City Trail is based within the centre of St Davids and can be completed on foot. The Explorer Trail extends a little further across the St Davids peninsula. Most people will need a car or bike to complete this route but it is possible to walk tool Just make sure you are prepared.

### Plan your route

Postcodes and grid references are provided for each site. To use the grid references download the free Ordnance Survey app. Alternatively you can use a traditional paper Ordnance Survey map. There is no set route and no time limit in which to complete the Trails. Just make sure to enjoy the beautiful sights of St Davids and keep an eye out for wildlife along the way! You can enjoy the Trails in a day, over a week or even a year, it is completely up to you. Where applicable, please visit stations during public opening hours - see The St Davids Pollinator Trail webpage: www.thebugfarm.co.uk/pollinator-trail



### Prize draw

Make sure to find the answer the to Bug Brain Teaser at each site and record it in this spotter guide. Collect all the answers for the City and/or Explorer Trails and you can be entered into a prize draw. See www.thebugfarm.co.uk/ pollinator-trail for further details. Just return with your spotter guide to The Bug Farm, so they can verify your answers and enter you into the draw.\*

\* The answer to the Bug Brain Teaser for any site without disabled access is not required to enter the prize draw.

#### Take care

You are responsible for the safety of yourself and your party. Crossing a road safely is more important than finding a board or a Bug Brain Teaser answer. Please respect the property and privacy of others, including the pollinators! Make sure to put any rubbish in a bin or take it home with you.

# What's on the Trail?

The first thing to spot is an information board All about a pollinator that should be adored Brimming with facts and a figure or two Answer the Brain Teaser and learn something new...

Now open your eyes, what bugs can you see? Maybe butterflies, beetles or even a bee? Pollinators are everywhere, sometimes hiding aw But show themselves best on a nice sunny day.



So where do they live and what do they eat? Pollinator habitat is often under your feet Flowers are a favourite for dinner on the go Homes can be a tussock, wall or hedgerow.

The fourth thing to spot on the Trail today Is a Welsh work of art, hip hip hooray! Paintings and pictures a sculpture perhaps Find them all with the help of your maps!



The Pollinator Trail is a challenge for sure The boards may be hidden, the bugs even more But don't give up, keep your eyes peeled Life in the undergrowth can now be revealed!

### The power of pollinators!

Example information board



1 in 3 mouthfuls of food we eat relies on

insect pollinators



Without pollinating insects we wouldn't have food and drink such as ...

strawberries chocolate & coffee

Insect pollination in Britain is valued at up to £600 million

If humans had to pollinate our crops by hand, it would cost us £1.8 billion

# Help insect pollinators 🊒



#### 1. Plant a pot with flowering plants Look out for the RHS 'Plants for Pollinators' stamp.

2. Leave a 'weedy patch' in your garden

Many butterflies will only lay their eggs on stinging nettle. 3. Mow your lawn less often! Butterflies lay eggs in long grass while dandelions and

clovers provide food for lots of bees and hoverflies.

4. Reduce use of pesticides and herbicides Many chemicals can harm pollinators.

5. Create a bee or 'bug' hotel

This will provide nest sites for bees and homes for beetles.



### In May 2018 St Davids became the first **Bee Friendly City in Wales.**



Biodiversity