

SUSTAINABILITY IN EARLY YEARS.

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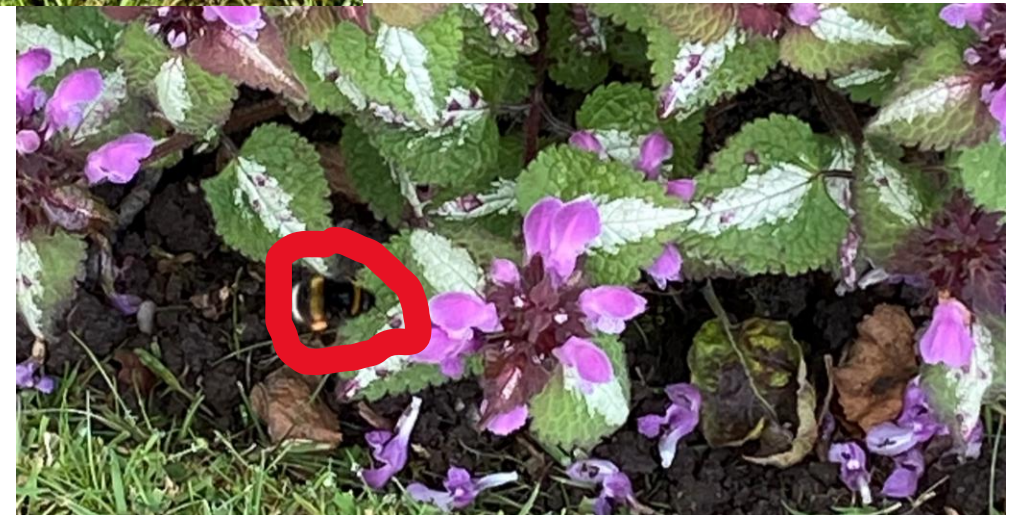
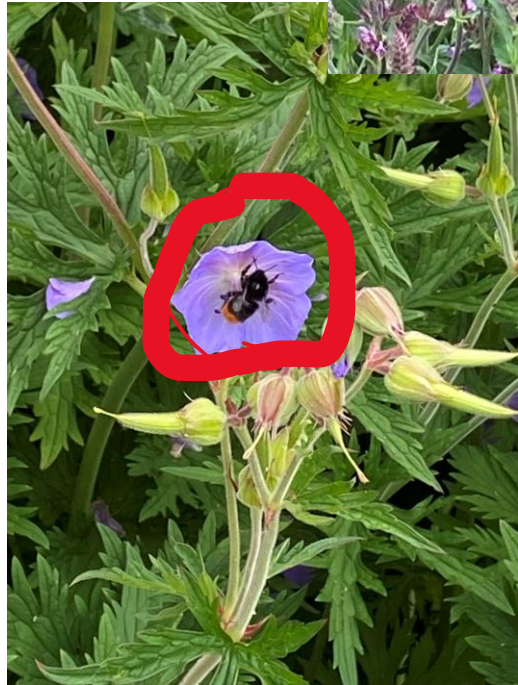
1st challenge

Discover.

John Muir (2021)

All pictures: Stewardson (2021)

Powis Castle.

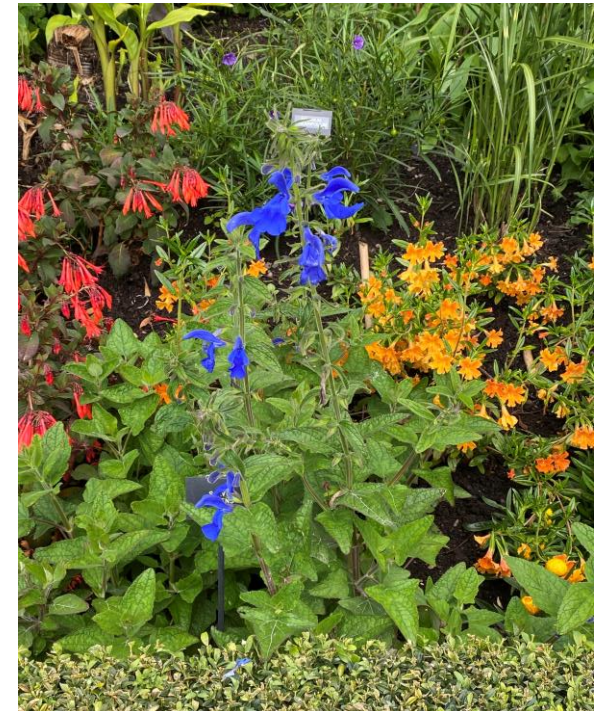


I started my John Muir experience with a visit to Powis castle, and noticed all the different types of flowers and the high population of bees. I also, noticed that there were many different types of flowers that the bees liked and didn't stay with one Particular type.

This lead me to realise that during out visits to the community garden, we did not see any bees in the garden. I did not put the fact that we did not have many flowers at the time, together with the fact that's why we do not see any bees.



Here is some more pictures, I took at Powys castle of the wide verity of flowers they had, to attract the bees. These gave me inspiration of what flowers to plant in the gardens.



All pictures: Stewardson (2021)

2nd Challenge

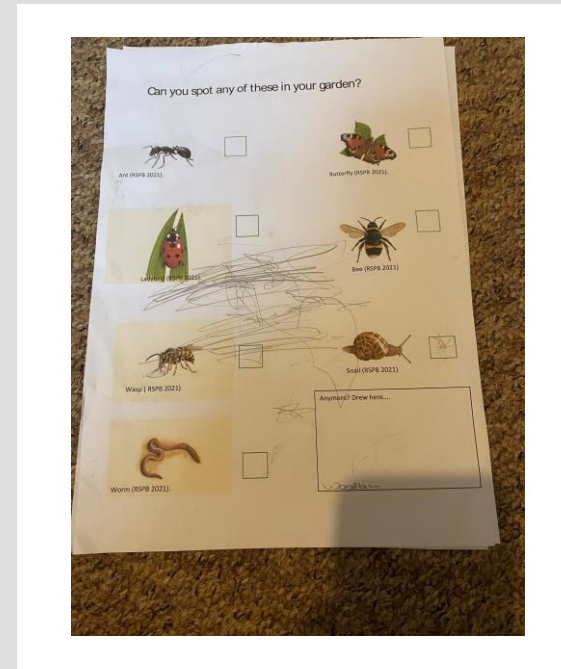
Explore.

John Muir (2021)

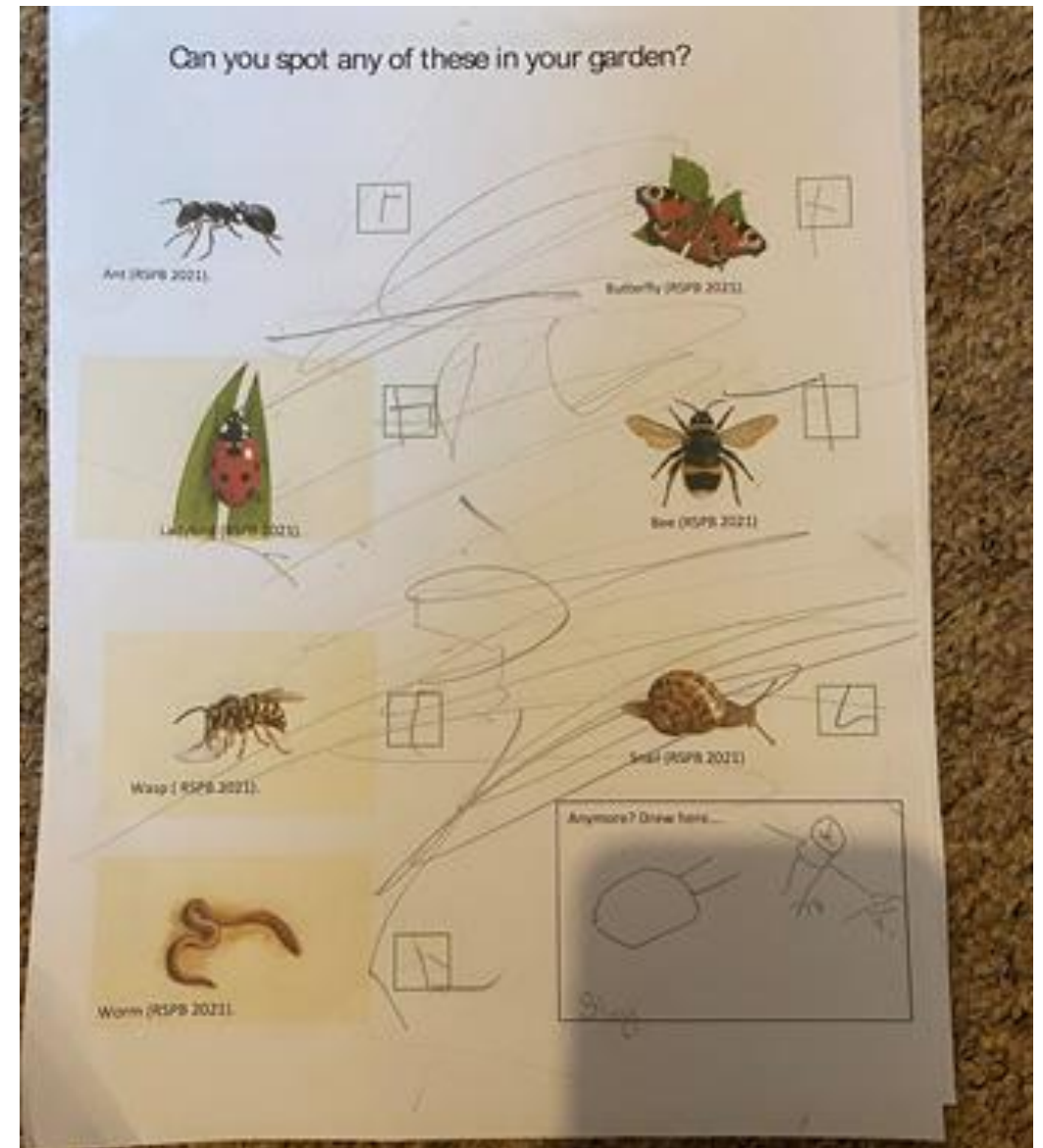
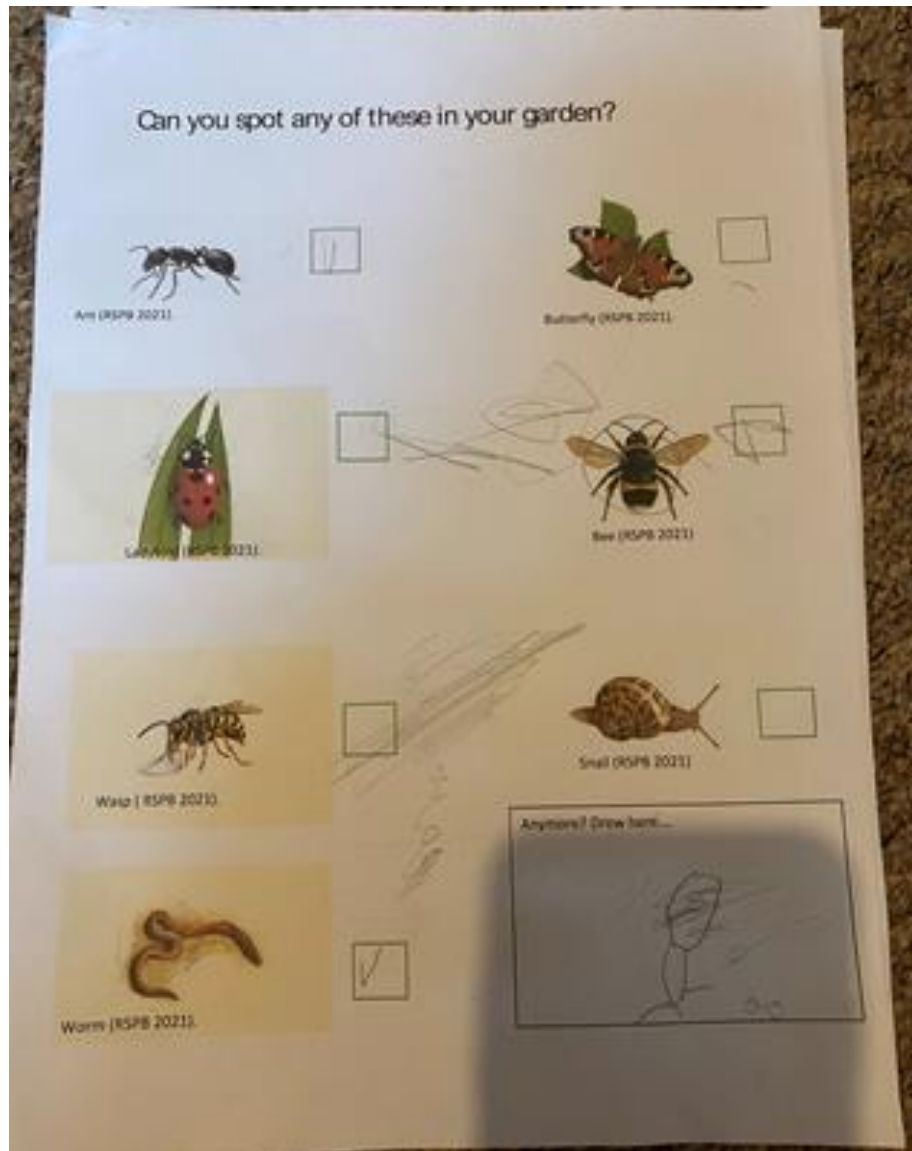
All pictures: Stewardson (2021)

Bug survey's done by the children

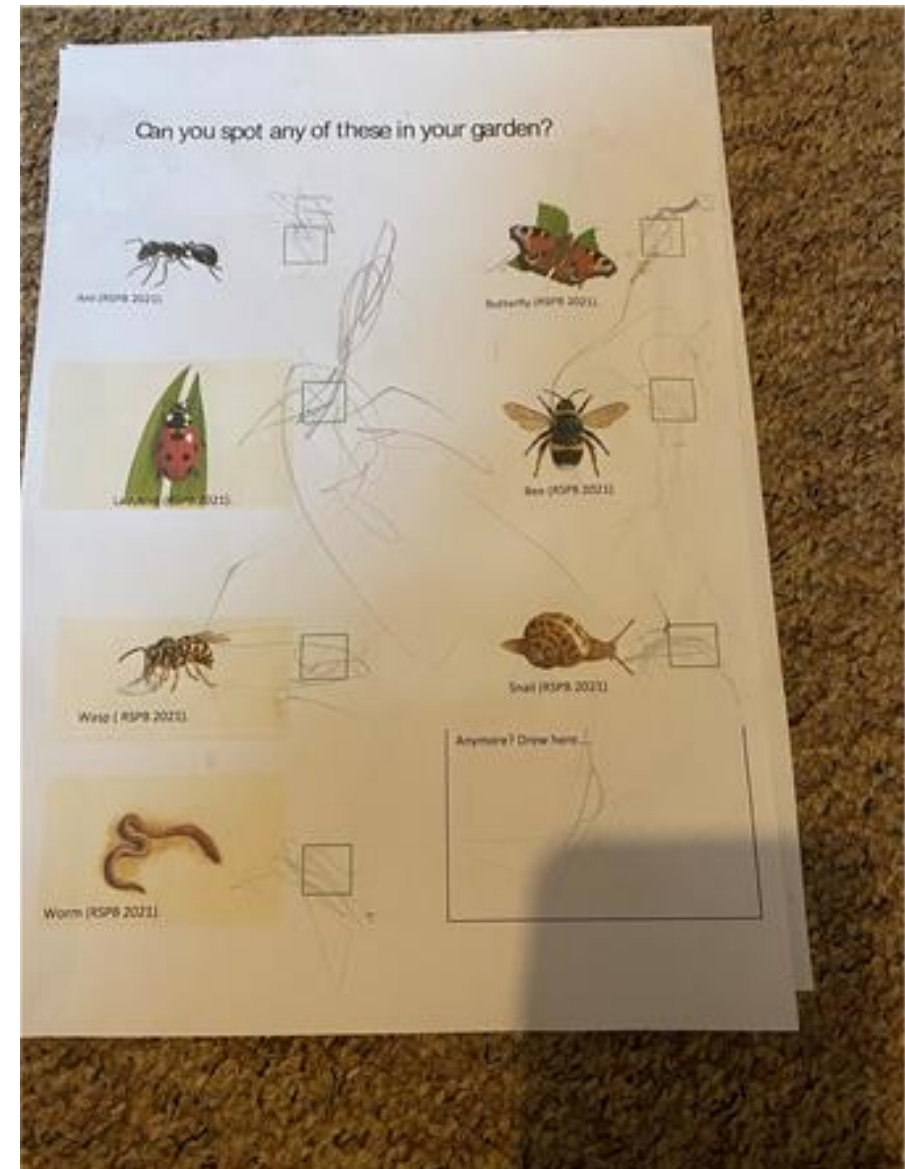
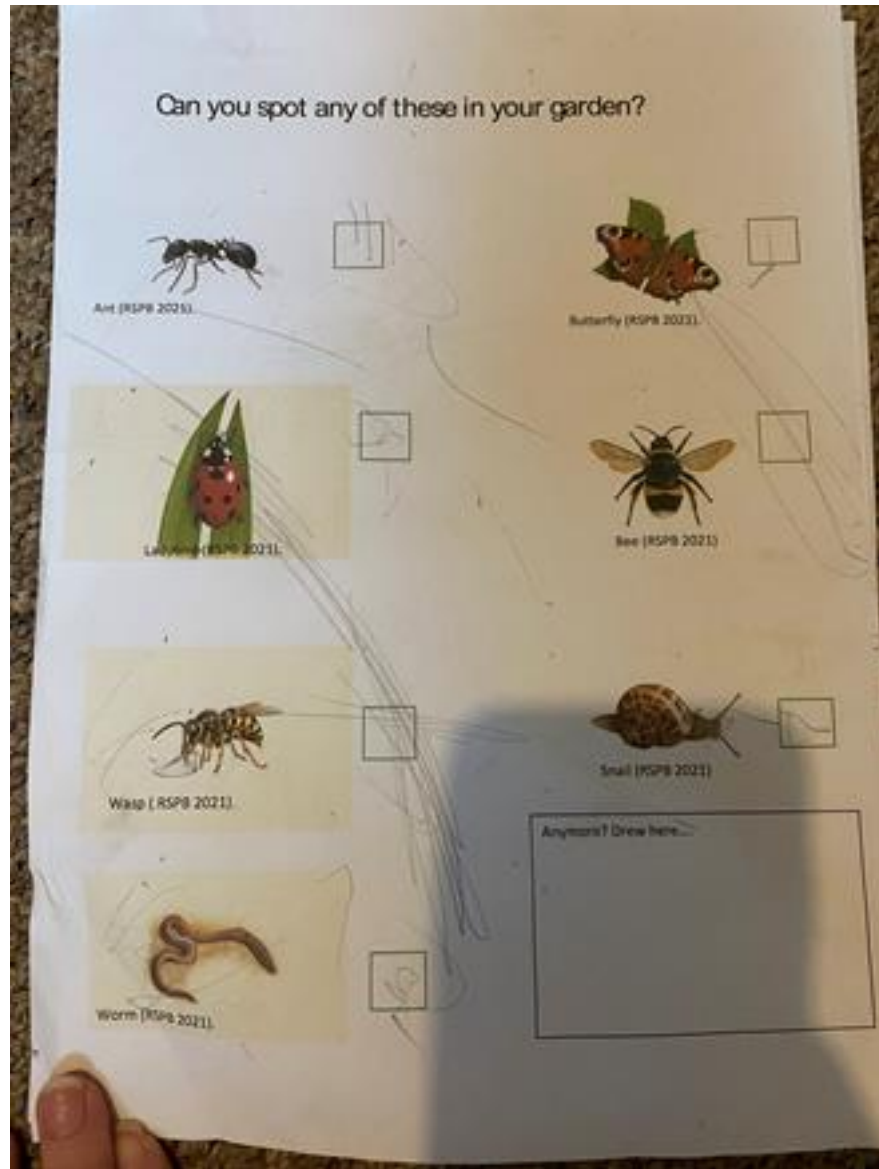
- Following my visit to Powis castle, I then created an bug survey, for the children to complete and discover what bugs are living in out community garden. All the children, were very happy to take part and we had lots of discuses about the bugs that we could see and the bugs that we expected to see, but were unable to see in the garden.



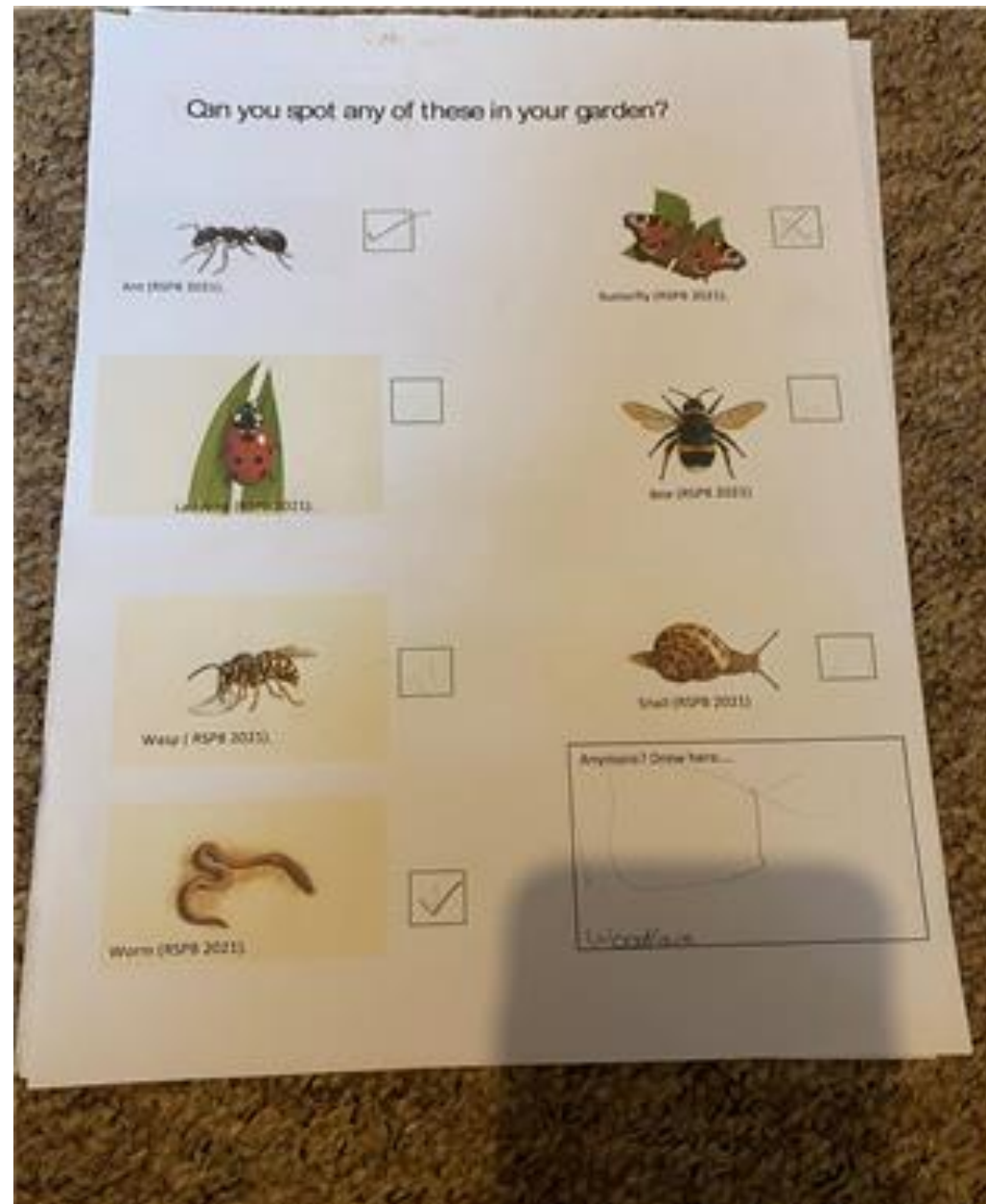
All pictures: Stewardson (2021)



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All pictures: Stewardson (2021)



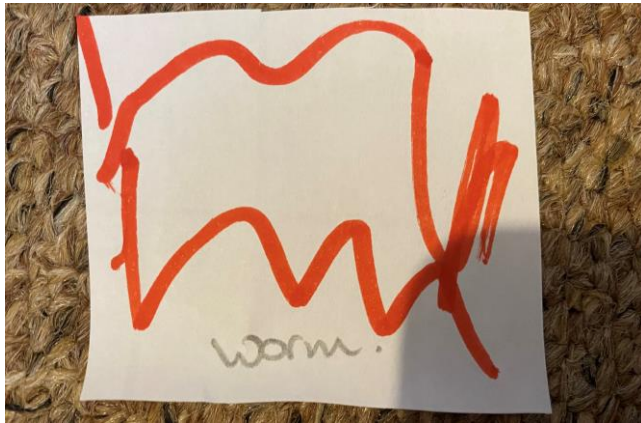
The children suggested to turn over logs to find bug underneath, during the bug survey.



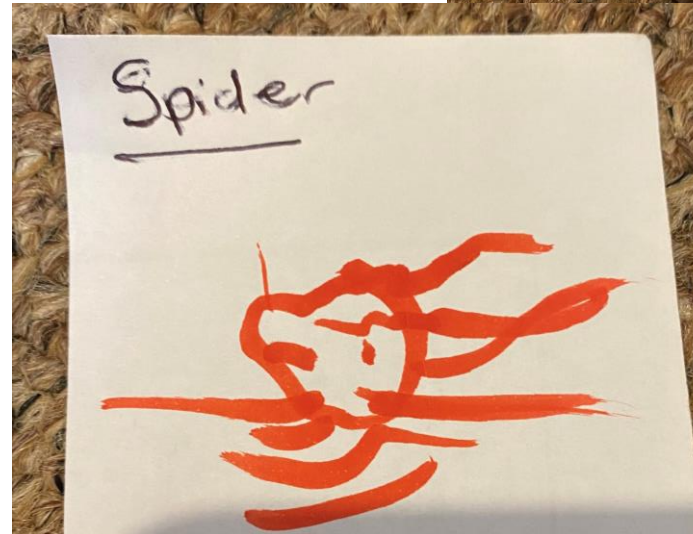
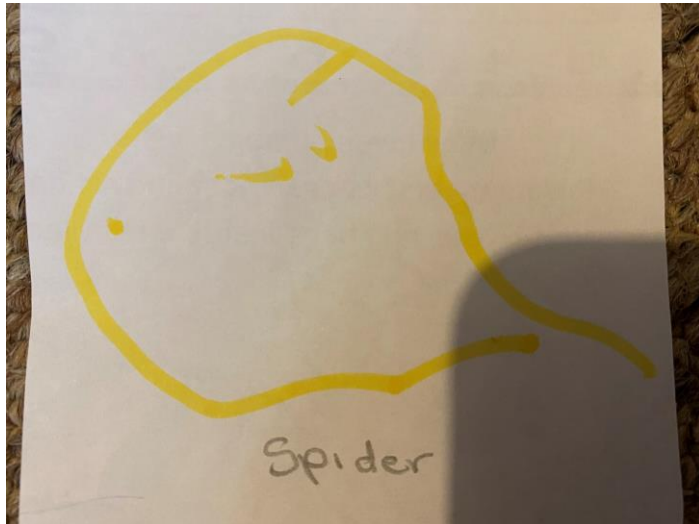
All pictures: Stewardson (2021)

All pictures: Stewardson (2021)

Some of the children then drew the some of the bugs that they found or hoped to find.....



Here is an example of the bugs that we saw (worm, spider) and an example of the bugs the children would like to see (butterfly and ladybird).



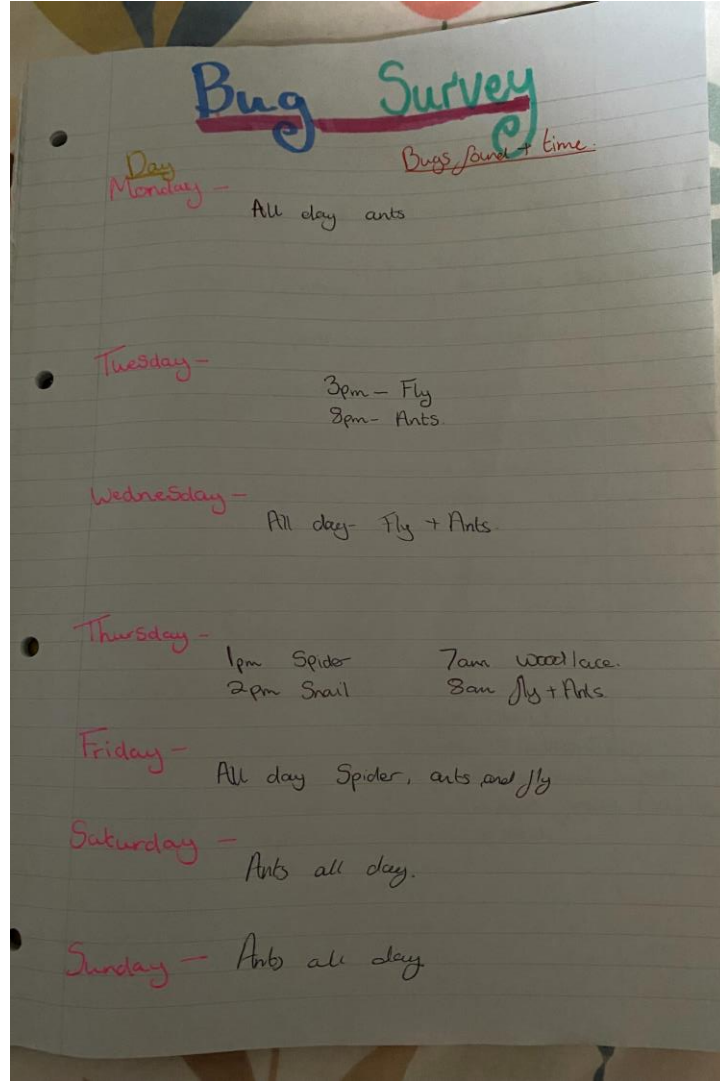


My garden

These pictures are the bugs I found in my garden after realizing that, at the community garden in work, we don't see any bees. I decided to see if I could find some in my garden. However, was unable and only about to find spiders, snails and woodlice.

All pictures: Stewardson (2021)

Stewardson (2021)



I ALSO DID A BUG
SURVEY TO SEE IF I
COULD SEE ANY
DIFFERENT BUGS
WITHIN MY
GARDEN AT HOME.



Why are bees important?

According to Woodland trust (2021) bees are important for our food and habitats. This is because, the bees pollinate the flowers and the trees to help them grow, food. Such as fruit many different types of fruit, like apples which is important for us (BBC 2021). The BBC (2021) goes on further to explain, that bees are responsible for the healthy growth of a “1/3 of our food” BBC (2021). So without bees we may starve (BBC 2021).

All pictures: Stewardson (2021)

Why do we need to help them?

According to friends of the Earth (2021) the Uk has lost "13 species of bees" in the last 100 years.

Main (2020) States that bees are declining in numbers because of climate change and pollution. Also, Main (2020) explains that people are opining for plastic grass and flowers instead of natural.



Stewardson (2021)

3rd Challenge

● Conserve.

John Muir (2021)

Before, planting flowers in the community garden, I researched the different flowers that Bees like...



Gardeners' world (2021) suggests bees love any purple flowers.



Gloria (2016) suggests planting Dahlia flowers for bees (these are the ones I planted in my garden).



Greek Catmint (swallow tail garden seeds 2021). Planted in the community garden.



Lavender (Garden design 2021). I planted these within the community garden, but are not in picture.

Also bees love.....



Geums
(Thompson and
Morgen 2021)
Planted in the
community
garden.



Hellebores
(Thompson and
morgen 2021)

Turf online (2021) and Keating (2019) explained that bees love any native plant, as long as not pesticides are used. So, in the community garden we planted different native flowers, as well as some of the flowers we found in my research.

BBC Bitesize (2021) explains that bees like these flowers because, they are “colourful and have an attractive sense” (BBC Bitesize 2021) for the bees , which allow the bee to transport the pollen from one plant to another.



Kingsland preschool (2021)

The Bug hotel (right) in the community garden.

The flower bed (left) in community garden

My garden (bottom centre) pot



Stewardson (2021)

Following the results from the bug survey in my garden and at preschool's community garden. We decided to make a bug hotel in the preschool garden, to find some different bugs, the children were most excited about see an ladybird or a butterfly. We spoke about, what different environments the different bugs would like so, each level of the bug hotel has different materials. We also planted some plants in the hope to get more bees and butterflies in the preschool community garden and I planted a smaller version in my garden. .



Stewardson (2021)



Stewardson (2021)

On the top layer we were able to find spiders and ants manly.

The next layer we were able to find spiders and beetles.

The next layer we were able to find spiders and woodlice.

During this John Muir experience, no bugs made the bottom two levels their home. But, the children continue to look at the bug hotel daily to check.

- Unfortunately, we were unable to get clear pictures to upload of the bugs we found in the bug hotel, because of the lighting.



**THE BEES LOVE THE COMMUNITY GARDEN AND MY GARDEN AT HOME, AFTER WE PLANTED THESE PLANTS!!!
THE CHILDREN LOVED LOOKING AT THE BEES (AT A DISTANCE) AND ARE HOPING WHEN THE WEATHER IS WARMER, THEY WILL SEE A BUTTERFLY OR LADYBIRD.**

My song I have created from the John Muir
award, to demonstrate to children the
importance of bees.

To the
tune of
Row,
row, row
your
boat.

Plant, plant, plant your flowers,
Gently for the bees
Buzz, buzz, buzz, buzz
Bees love the pollen

Grow, grow, grow the fruit
Enough for us to eat
Yum, yum, yum, yum
Healthy food to eat.

The John muir award, inspired me to paint 2 pictures.

- The first picture illustrates the delicacy of the bees when people look closely at it, through a magnifying glass.
- (this award has rekindled my love for painting, as I have painted in about 10 years)



The second picture is a visual representation of the importance of having a high population of bees not just a few, this is done by the page being bare, to symbolise the beauty of lots.

