



Week 1: Wildlife Challenges

Bird Counter

Complete?

What? Build and program our own bird counter to track the number of each type of bird living on the local lake.

Why? To enable us to monitor the birds living in the local environment.

How?

1. Decide which birds we are going to monitor.
2. Create a circuit using buttons with the micro:bit
3. Create a program on the micro:bit which adds to the number of birds when a button is pressed.
4. Create a junk model container for the micro:bit and labels for the buttons (one for each species of bird).
5. Visit the local lake and use the bird counter to store the amount of each type of bird found.

Next Create a graph to show the numbers of each type of bird found.

Bug Hotel

Complete?

What? Build a home for bugs known as a bug hotel

Why? To help bugs live safely in our environment.

How?

1. Think about where bugs like to live.
2. Put some natural materials together to make somewhere suitable for the bugs.

Next Take a nature walk and find bug hotels made by other people.



Pollinator Garden

Complete?

What? Grow flowers and plants that encourage bees and butterflies to visit our garden.

Why? To help bees and butterflies thrive in our environment.

How?

1. Buy some seeds or plants that bees and butterflies like such as: alyssum, basil, the aptly-named butterfly bush, fennel, lavender, marigold, oregano, verbena and yarrow.
2. Grow the plants and flowers in the garden.
3. Observe the bees and butterflies at work!

Next Investigate and draw pictures to show how bees make honey.

Report on Local Wildlife

Complete?

What? Take pictures and share information about local wildlife.

Why? To enable national agencies to track wildlife in different areas.

How?

1. Use the Seek app on our tablet or mobile phone to take photos of wildlife.
2. Use the app to find out more information and log the details with iNaturalist.

Next Draw a picture of wildlife in the local area.



Endangered Animal Factsheet

Complete?

What? Create a factsheet about an endangered animal.

Why? To raise awareness of the problem and help to save endangered animals from becoming extinct.

How?

1. Choose an endangered animal you would like to help.
2. Research your chosen animal and find out why they are endangered and how people can help.
3. Create a factsheet to tell people about your chosen animal why it is endangered and how people can help.

Next Ask grown-ups you know to share the factsheet online to reach a large audience.

Deforestation Animation

Complete?

What? Create an animation to highlight the issue of deforestation.

Why? To raise awareness of the problem and help to stop animals losing their homes to deforestation.

How?

1. Use a design sheet to plan the content for your animation.
2. Create the animation using Stop Motion Studio.
3. Share the animation online, with help from a grown-up, to reach a larger audience.

Next Ask somebody to review your animation and make an improvement based on their feedback.



Bird and Squirrel Table

Complete?

What? Build a garden feeding table for birds and squirrels.

Why? To help local wildlife and encourage them to visit our garden.

How?

1. Build a feeding table (with help from Grandad).
2. Add some different foods to the table and observe local wildlife.

Next Add a wildlife camera to monitor visits to your feeding table.

Other Activities

- Wildlife themed colouring sheets
- Draw a picture of wildlife you can see in the garden
- Play the Bud's Number Garden game
- Take photos of local wildlife
- Create a Bee Garden and a hive in our Happy Minecraft World
- Create a wildlife themed game or animation using Scratch Junior
- Watch an episode of Our Planet to find out more about wildlife around the world