

# Biodiversity:

## Activity pack

**ZER**  
**WASTE**  
LIVERPOOL  
CITY  
REGION  
MERSEYSIDE RECYCLING AND WASTE AUTHORITY

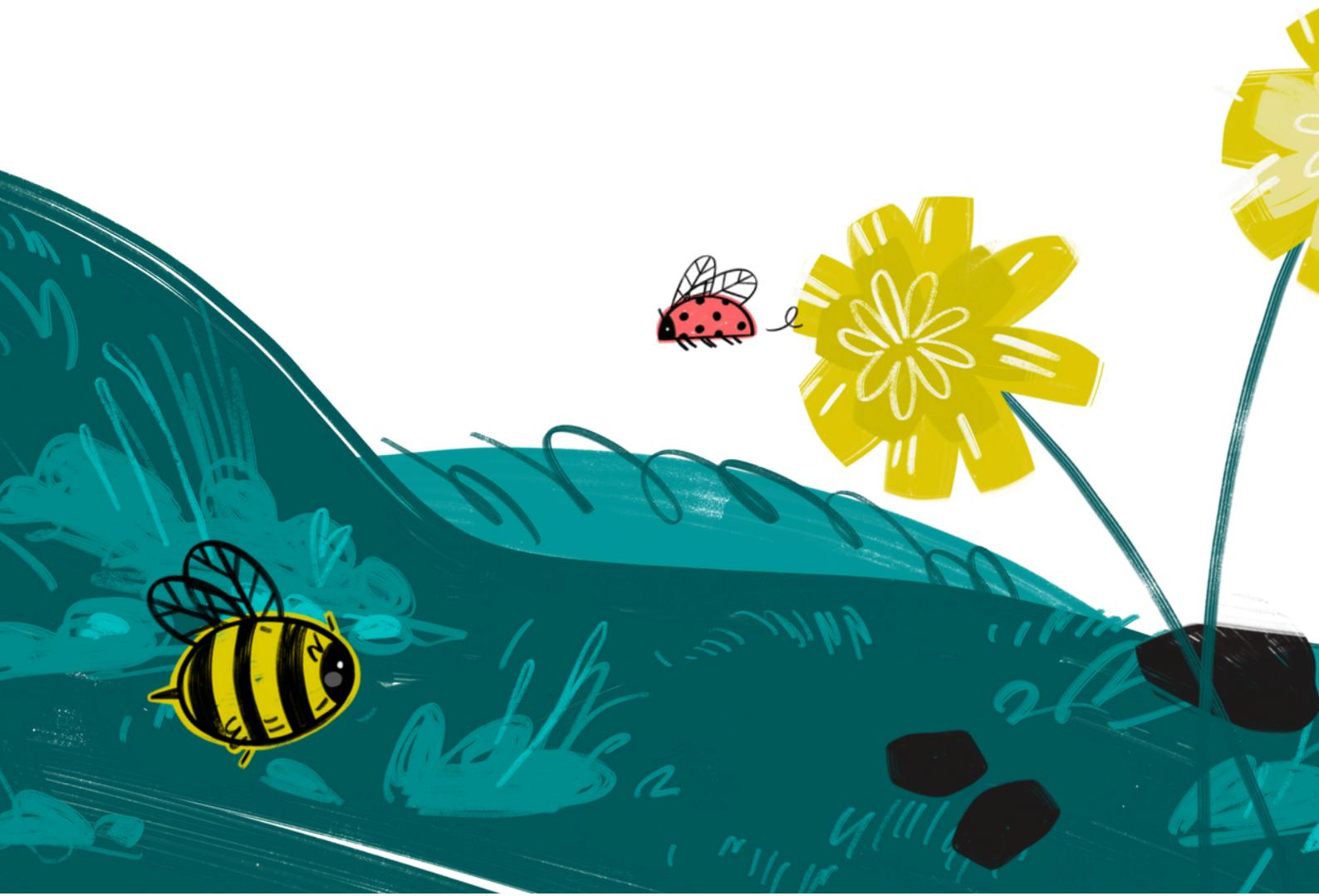


# Biodiversity:

## Activity Pack



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# Facts:

The number of tigers has plummeted 97% within the last ten years.

A single spoonful of soil, which provides for around 90% of all food, contains 10,000-50,000 different types of bacteria!

75% of the world's food comes from approximately 12 crops and 5 animal species.

Extinction rates are estimated to be 1000x higher than they were before humans dominated the planet.

The Sahara Desert is one of the least biologically diverse regions of the world, with as few as 500 plants and 300 vertebrates.

## Activity 1: Identify the Habitat

There are photos of different habitats on one side, and on the other side are their names, but they've been mixed up!

Draw a line connecting the habitat to its corresponding name.



Desert



Grasslands



Rivers



Ponds



Woodlands



## Activity 2:

### *Create your own biodiverse habitat!*

**Think about where your habitat is. Is there snow, or is it warm and sunny?**

What kind of animals and insects can you see? Where do these creatures sleep, and find their food? Draw your very own habitat below, and don't forget to name your habitat!



# Activity 3:

## Build a Bug Hotel

**Do you want to help make your area even more biodiverse?**

A Bug Hotel is a great place to get started. Your hotel will provide a shelter for a range of insects, who can create homes and stay safe from the elements or even predators!

### Step 1. Grab your supplies!

#### For this project you'll need:

- Twigs, leaves, grass, pinecones, small stones, bits of bark: all of these will provide a nice cosy place for your bugs to burrow down.
- Hollow sticks (bamboo canes and hogweed stems work great)
- Plant pot with holes in the base (you can also consider using any plastic pots, such as empty yoghurt tubs, just remember to poke some holes in the bottom for drainage!)
- Consider collecting empty plastic pen tubes to create a bug hotel

### Step 2: Begin construction:

- Place the hollow sticks/stems around your pot, these don't have to be even!
- Add your twigs, leaves, grass, pinecones, etc. into the empty spaces around the hollow sticks, be sure to add enough materials so the sticks don't fall out if tipped upside down
- Fill any leftover holes with small stones, or soil
- Place your hotel in a nice area of your garden, try to avoid direct sunlight and putting it in a space it is likely to be disturbed. Try to find a quiet corner to set up your hotel.
- **Wait and watch!** Soon bugs and insects will begin to move into your hotel. Your shelter will provide protection during the colder months for its visitors to lay eggs and create new nesting sites in the Spring!



## Activity 4: *Habitat Hunters*

Pick an area, this could be a local park, a nearby forest or even your own backyard- and start searching! Below are pictures of 10 different bugs you're likely see, remember to check under rocks, on trees and in the grass! Make a note of anything you see that isn't on our list!



Cockroach



Ladybird



Ant



Snail



Butterfly



Caterpillar



Fly



Worm



Spider



Bee

## Activity 5: *Mini Monsters!*

It's time for you to create your very own animal!

Think, will it have fur or scales? Will it live on land, water, or in the air?

Be sure to include a nice space for your animal to live and consider what food would be available for your mini monster.

# Thanks for *reading!*

We hope you've enjoyed learning all about biodiversity – and how important it is that we all take steps where we can to protect the habitats around us.

**If you've completed any of our activities, or are looking for other ways to get involved, be sure to visit us at [zerowastelcr.com](http://zerowastelcr.com)**

