



macaRULLA

06

ENG



estevet  
& FRIENDS

Andorra

# Estevet & FRIENDS



## HOW TO GET THERE

Travessia del Rec de l'Obac  
Access via Crta. de l'Obac no. 19  
AD500 Andorra la Vella

## COORDINATES

42.506225, 1.533686

 Easy

 1,74 km

 129 m

 1 hour 30 minutes



-  Private property forest area, do not enter any unmarked land. Always follow the marked path.
-  Wear proper hiking shoes.
-  Bring plenty of food and water.
-  Check the weather forecast before setting off.
-  Make sure you take your rubbish with you.
-  Respect everything you find on the route. Don't pull up or damage anything.
-  Respect the plants on the route. Don't pick them or harm the surroundings.
-  Don't light fires.
-  The route is not suitable for people with limited mobility.
-  Keep an eye on your children at all times, especially those under 3.



## Estevet's Secret

Hi! Down here!

I'm Estevet, a little boy from this valley.

Like you, I thought insects only existed to bother us, but one day I was wandering through the forest and I stumbled upon a magical portal.

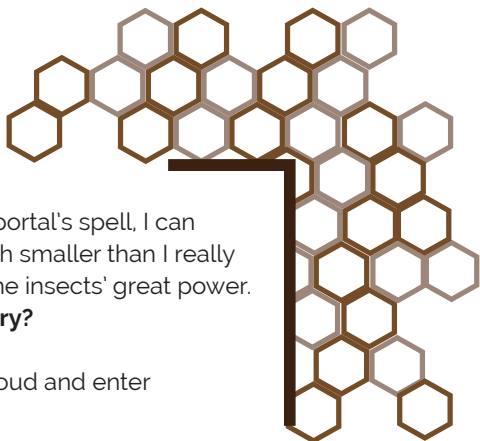
I discovered that small things can achieve big things. And above all, in this forest, nothing is as it seems... Don't tell anyone, but here, my friends, the insects, have SUPERPOWERS!

**Find the magic portal and you'll see.  
Come with me!**





## the magic portal



After reading the portal's spell, I can suddenly get much smaller than I really am and can feel the insects' great power.  
**Want to give it a try?**

Say the spell out loud and enter the portal:

**“DE PARVIS GRANDIS ACERVUS ERIT”**

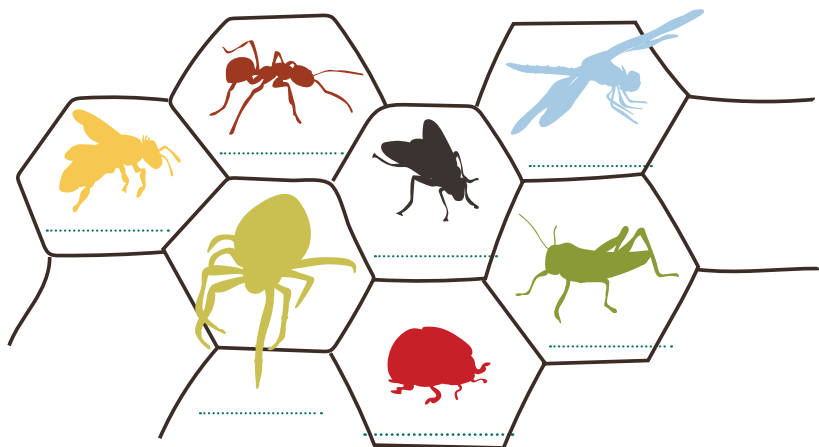
Hey! Now you are small like me! And now you can safely meet the insects that live in this forest.

**Can you recognise them?**



### LOOK AROUND YOU

*Look at the portal and search for insects and their superpowers. Under each silhouette, write down the skill you think each has. Which of them can't you find? Put a circle around them.*



**Think you have the right answers? Follow the path to find out.**



### FUN FACT

Insects are the most common animals on the planet, although they are almost invisible. They are all invertebrates, have 6 legs, are born from eggs and most have wings too.



# O 3

## What DO INSECTS EAT?

Many insects are food for other insects, but also for other larger animals. They all form a food chain, where each of them depends on something else to survive.

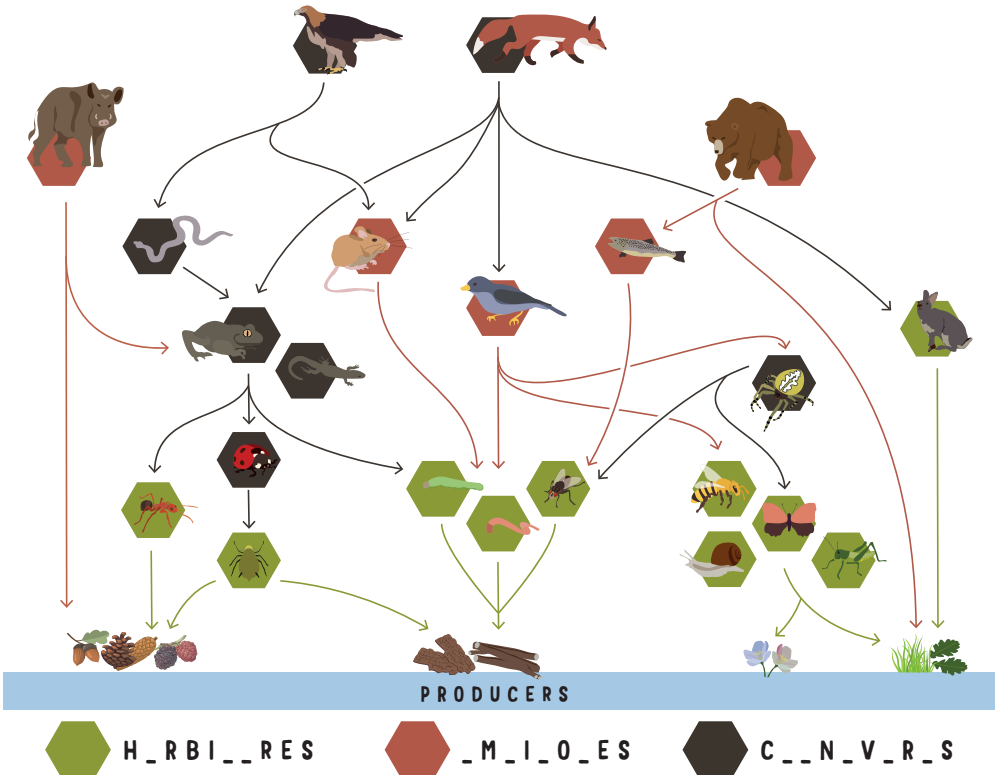
Animals can be **herbivores** that feed on plants and vegetables, **carnivores** that only eat meat or **omnivores** that eat everything, like humans.

Do you know who eats what?



### LOOK AROUND YOU

Look at the food chain and identify the herbivores, carnivores and omnivores. On the giant leaf, turn the animal circles to match them. Use the picture to help you. Then complete the words in the key.



*Solution:*

GREEN: HERBIVORES, BROWN: CARNIVORES, RED: OMNIVORES



## THE BEE



Bzzzz! I am the Queen Bee. I live together with other bees. While I take care of the eggs, they build the hive and make honey with the nectar and pollen from the flowers around us. Do you know what our superpower is? Communication!

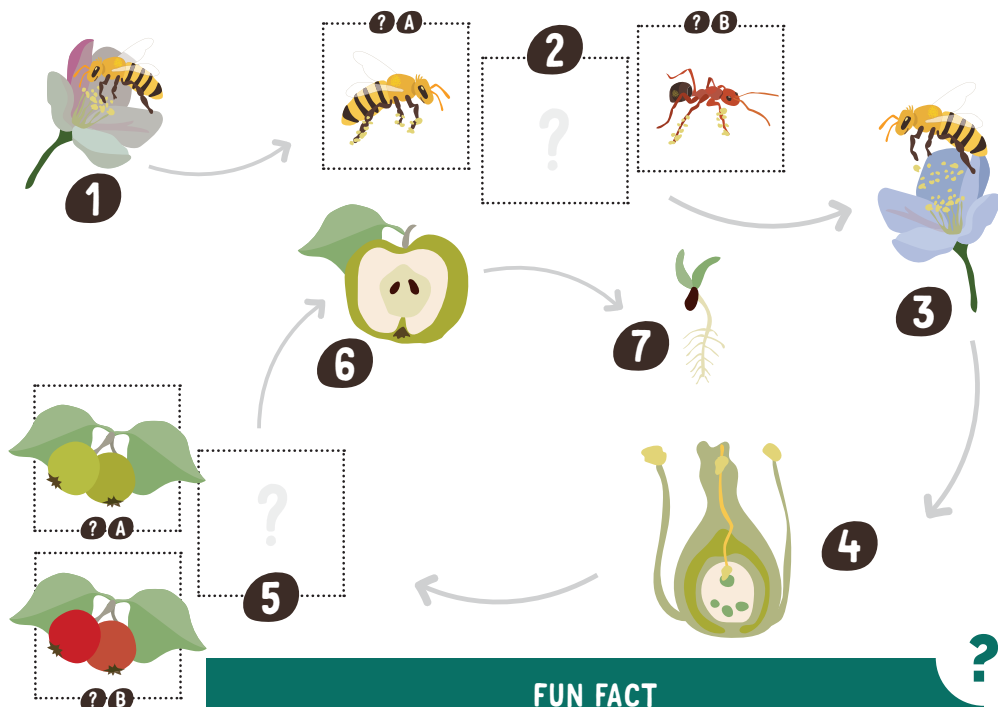
When bees find flowers, they return to the hive and inform their companions with a very peculiar dance. They turn and move their abdomen and wings to indicate how far away the food is.

The bees are great pollinators. When landing on a flower, the pollen gets stuck to our legs, but some falls in the flower next to it, so that they can make their fruit.



### LOOK AROUND YOU

Move close to the hive and look at the signs. Choose the correct option between A and B.



### FUN FACT

Estevet loves honey, but what he doesn't know is that you need more than 2,000 bees to produce 1 kilo of honey!



## THE SPIDER



You think I'm an insect, don't you? But I'm not... I am an arachnid and I am glad that you are afraid of me. That way, you won't get close to me and I won't run into danger. I am also one of Estevet's friends.

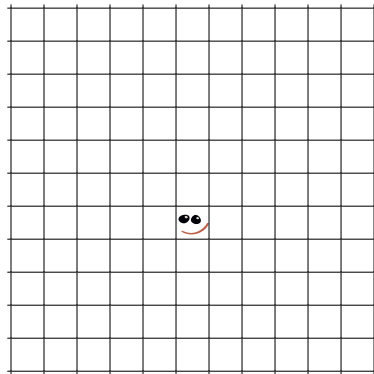
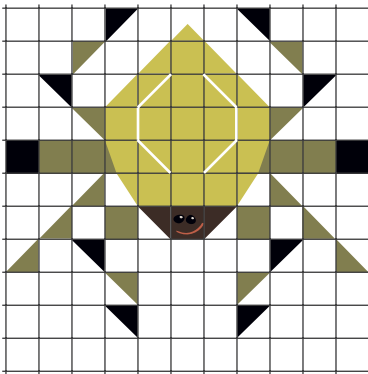
Strength is my superpower, you know why? My web is my home but it is also where I hunt my lunch. Delicate and transparent, it is such a flexible, sticky and resistant trap that it can capture any insect flying at full speed without breaking it. They say it is 5 times stronger than a piece of stainless steel. Incredible!

Come closer and climb on my web. Since you are friends with Estevet, I promise you won't be my dinner today.



USE A PEN OR PENCIL

*Practice your skills and copy the spider drawing into the empty grid.*



### FUN FACT

There are so many species of spiders around the world that you can find webs anywhere you can imagine, even underwater!

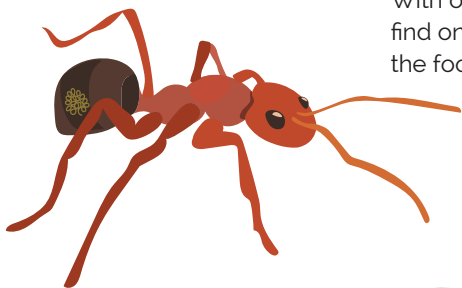


## the ANT

Watch out! Don't destroy our trail! We are the ants that live in this anthill, where we work non-stop. Our mission is to get as much food as possible as quickly as possible. That's why orientation is our superpower.

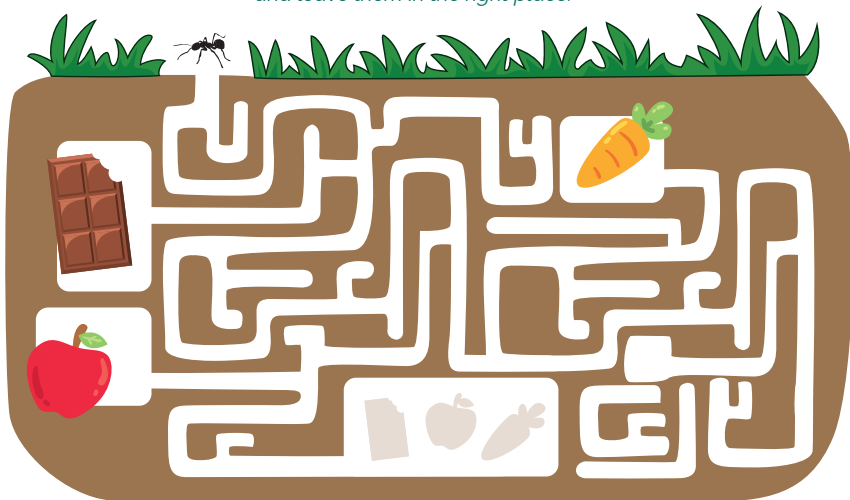
When we leave the anthill we leave a trail so that our companions can follow us and collect the food we find. This trail is made up of something called pheromones and we also use them to make predators flee when we feel threatened. It smells really strong!

With our antennae we taste, touch and feel everything we find on our way. Come to our anthill and help the ant take the food home. Work as a team!



USE A PEN OR PENCIL

*Follow the path that the ant has to follow if it wants to take the food items and leave them in the right place.*



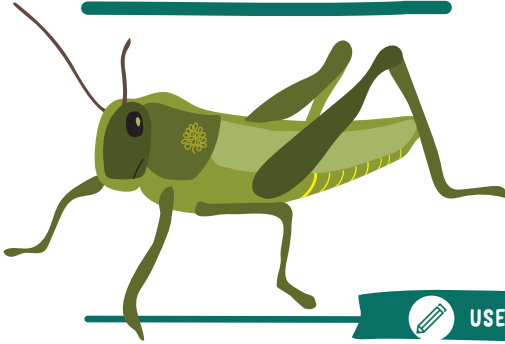
### FUN FACT

An ant's jaws can bite 700 times faster than we can blink!





# the GRASSHOPPER



I am so hungry that I could eat a whole cereal field! That's why farmers don't like me...

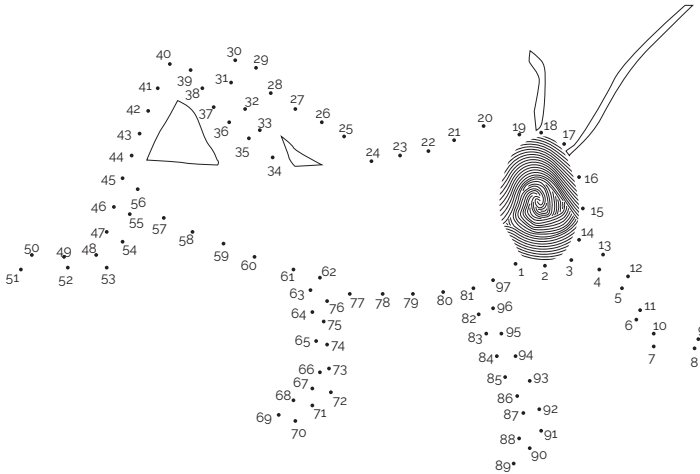
My back legs help me jump far to escape my predators. They are so strong that I can jump 20 times the length of my own body. That's why my superpower is a super jump!

Get close to me and jump as far as you can. Who of you will share my superpower?



USE A PEN OR PENCIL

*Look! The farmer has passed by here. He left his mark.  
Join the dots in order to make the grasshopper appear.*

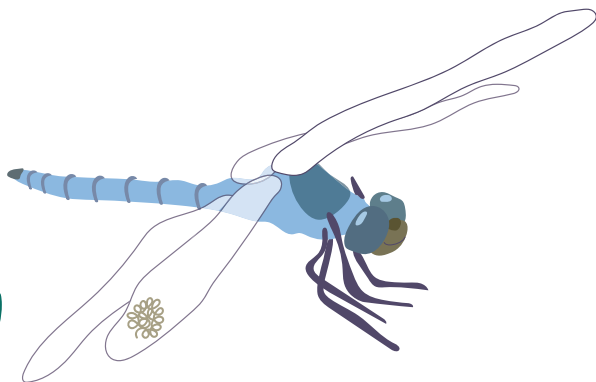


## FUN FACT

As they grow, grasshoppers can change the colour of their body to match the colour of the environment where they live. This is how they avoid predators.



# THE DRAGONFLY



I am an odonate, but you all know me as a dragonfly.  
I have a very thin body and a big head. I love to dress in bright colours,  
and by the ponds, marshes and rivers I practice my best acrobatics!

I have powerful, fast wings that allow me to fly at over 85km/hour,  
in 6 different directions. My superpower is speed, and that makes me an excellent  
mosquito hunter. Climb up on my wings and practice your flying.

**Can you fly as fast as me?**



## LOOK AROUND YOU

*Dragonflies can be yellow, blue, green, red... And in the forest there are  
more colours than you can imagine. Try and find in the forest one natural thing  
of each colour around the dragonfly. Write it down!*



.....



.....



.....



.....

## FUN FACT

They live near water because their larvae are aquatic.  
When they grow up, their eyes take up their whole head and they  
have a toothed jaw, which is what gives them the name odonate,  
which sounds a little like odontologist, doesn't it?





## THE LADYBIRD



Hello, friends! Have you seen my red dress? Do you know how many wings I have? Move them to find out. Do you want to try them out?

I have 7 black spots on my back, but I can have up to 21 and we come in bright colours, like yellow, green and orange. Colours that scare our predators.

We climb up the tallest flowers to smell them and with protection as our superpower, we save them from woodlice, mites and aphids that harm them. They are our favourite food, because we are carnivores.

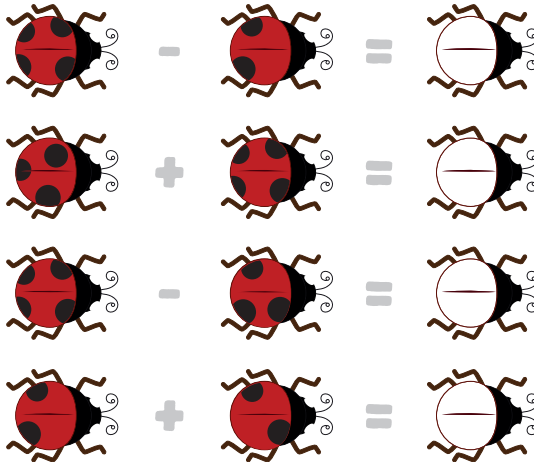
Farmers take care of us because we help all their crops to grow well.



### USE A PEN OR PENCIL

*Solve the sums.*

*Show the answer by drawing the missing black spots on each ladybird.*



### FUN FACT

The outer wings are like a protective layer, as they hide the two delicate wings that really allow us to fly.

*Solution:*

2.7.14



## the fly



Hello again, haven't we met before? You often find us when it's hot and you have food nearby. We love the food that you leave in the rubbish or on the tables, that's where we eat and where we are born. I remember you trying to catch me as you ate...

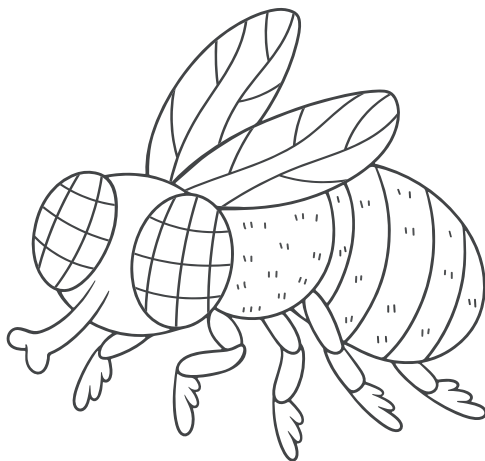
Why is it so hard to hunt a fly? The secret is my 360° vision, a superpower that allows me to perceive any danger around me and perform ultra-fast movements to dodge it.

**Want to know how I see you?**



### LOOK AROUND YOU

*Place your face behind my head to look through my eyes.  
When you turn the handle, how does everything look? Paint me in the colours you saw.*



### FUN FACT

Males vibrate their wings or halteres to create the well-known sound a fly makes and thus attract females.



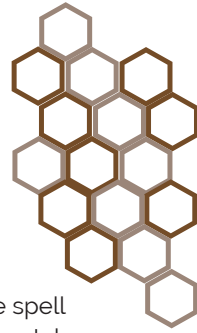
## ECO HELPERS in nature

Do you know what biodiversity is?  
It is all the animals, plants, fungi  
and bacteria that exist on our planet,  
where they grow and how they relate  
to each other.

Our adventure is coming to an end.  
To return to your normal size, recite the spell  
you already know and go through the portal.

« DE PARVIS GRANDIS ACERVUS ERIT »

Now you know that insects take care of nature  
so we can live and eat. How do they do it?



USE A PEN OR PENCIL

Match the description to the corresponding image:



1

☐

A

☐

They pollinate the flowers and plants  
that bear fruit, cereals or vegetables  
that we then eat. They produce  
substances that humans use like  
honey, silk and wax.



2

☐

B

☐

They are hunters, they feed on other  
species of insects, so they help  
to control the pests that hurt  
the plants we plant in our fields.



3

☐

C

☐

They dispose of rubbish and  
organic materials that then  
enrich the soil in fields and forests,  
where new plants grow that  
are food for other species.

Solution:

1-C, 2-A, 3-B

# Q 12



## THE INSECT HOTEL

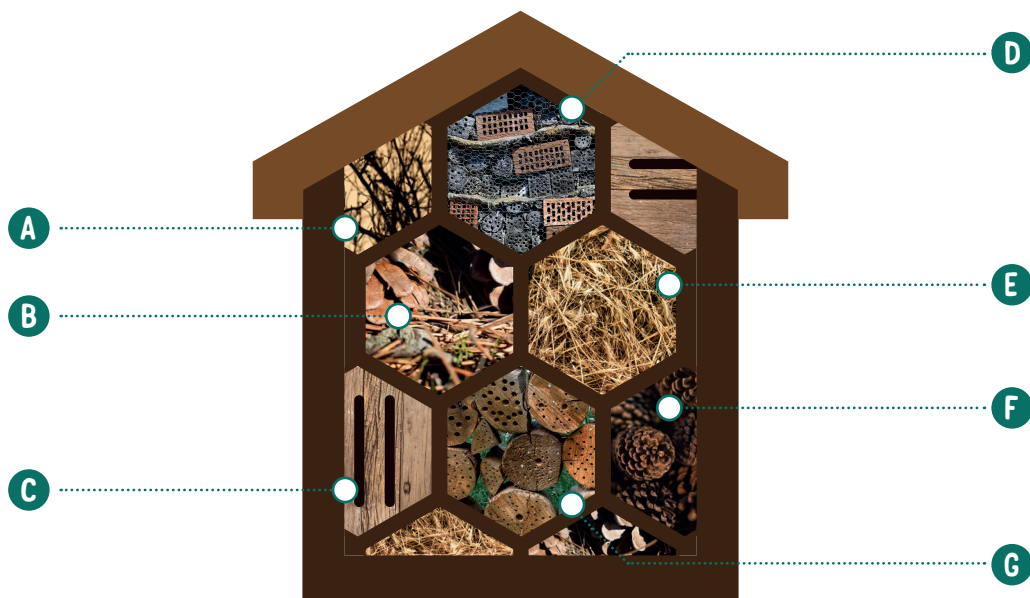
I was waiting for you at the insect hotel. It is a shelter that I have built for my friends, where they can protect themselves from the cold and from predators. By building a hotel, we are improving the biodiversity of the environment and helping pollinate the flowers in the park, vegetable patch or garden where it is located.

Now that you have met my friends the insects, you know that even though they can bite or bother you, it is important not to kill them. You can take care of them and be their friends too!



### LOOK AROUND YOU

*Get close to the insect hotel and use the magnifying glass to identify which insect is hiding in every room. Write the name in the empty spaces on the drawing.*



*Solution:*

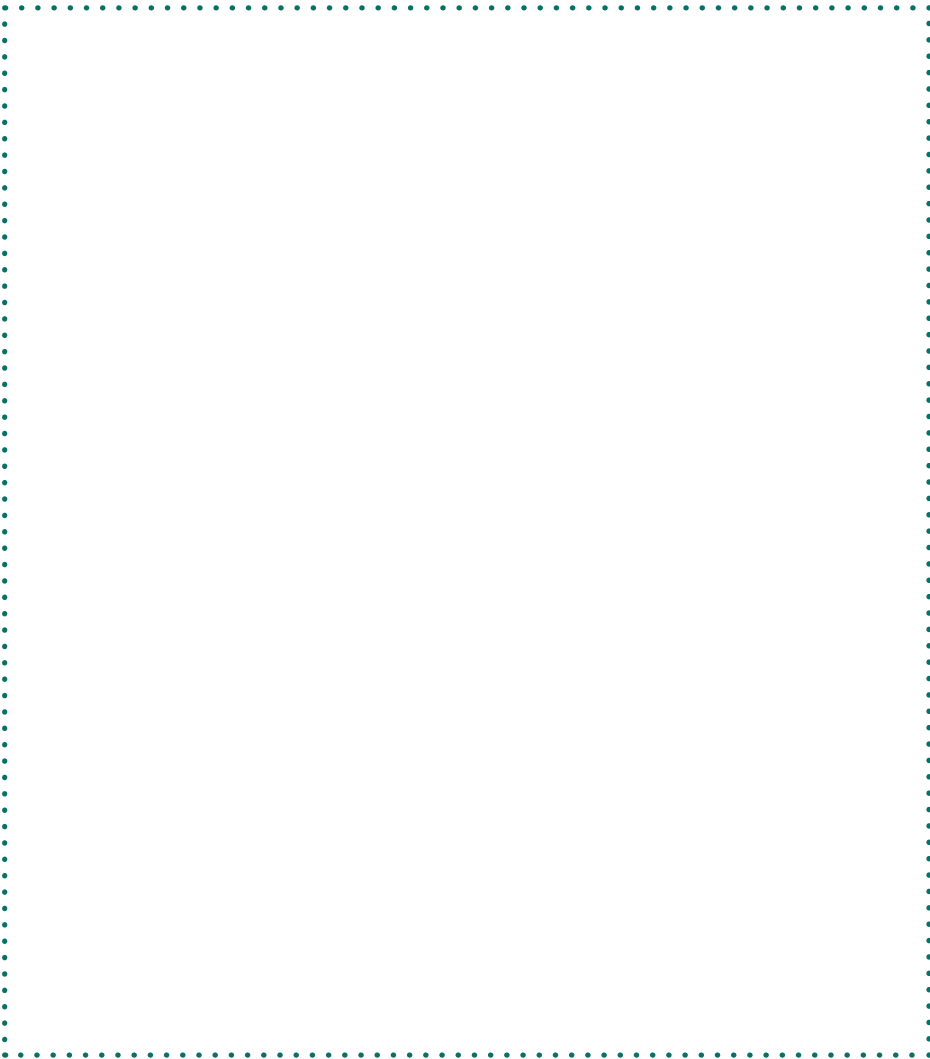
A: GRASSHOPPER, B: LADYBIRD, C: DRAGONFLY, D: FLY, E: SPIDER, F: ANT, G: BEE

**Write about what humans can do to take better care of the insects on our planet.**



# Drawing Emotions

Make a collaborative drawing among all of you who have come on this route, showing what best describes your experience. Tip for explorers: it's better to combine everyone's ideas than to pick those of just one person.





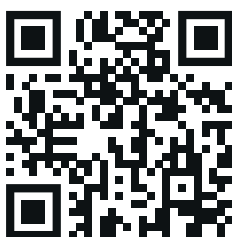






# to DO at home as a family

**Carry on the adventure!** Sign up using the Macarulla form to get your official diploma and more information on the magical trails.



You can also find the form here:  
<https://visitandorra.com/en/macarulla>



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