

# International School Challenge!

SUSTAINABLE  
DEVELOPMENT  
GOALS



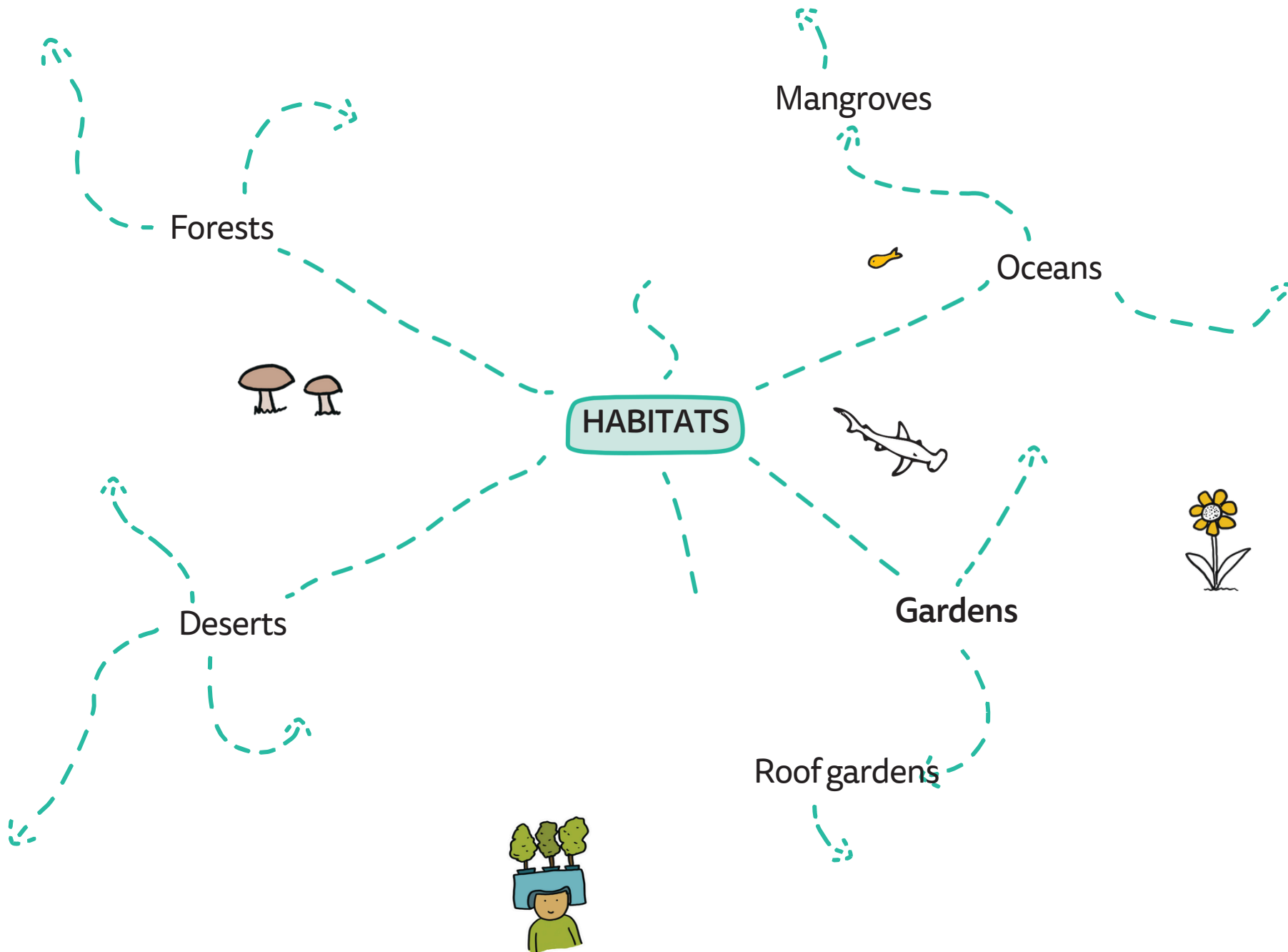
ACTIVITIES

Little Inventors  
Ingenuous Ideas

This document is designed at an aspect ratio for printing. Please do not print this first page.



Use this mind map to think of inventive ways to protect habitats for wildlife. Add micro-habitats such as your local park and use more paper if you need.



Use this profiler to capture information about a plant or animal that needs protecting!



A large empty rectangular box with a yellow border, intended for drawing a plant or animal.



Draw your plant or animal here

I am: \_\_\_\_\_

I live: \_\_\_\_\_

I eat: \_\_\_\_\_



What's special about your plant or animal?

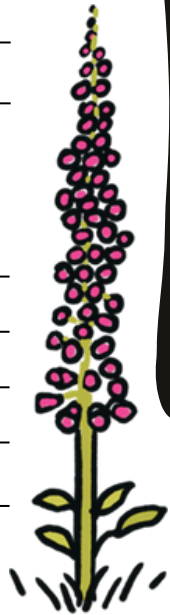
Five horizontal lines for writing the answer to 'What's special about your plant or animal?'.

What are its main threats and dangers?

Five horizontal lines for writing the answer to 'What are its main threats and dangers?'.

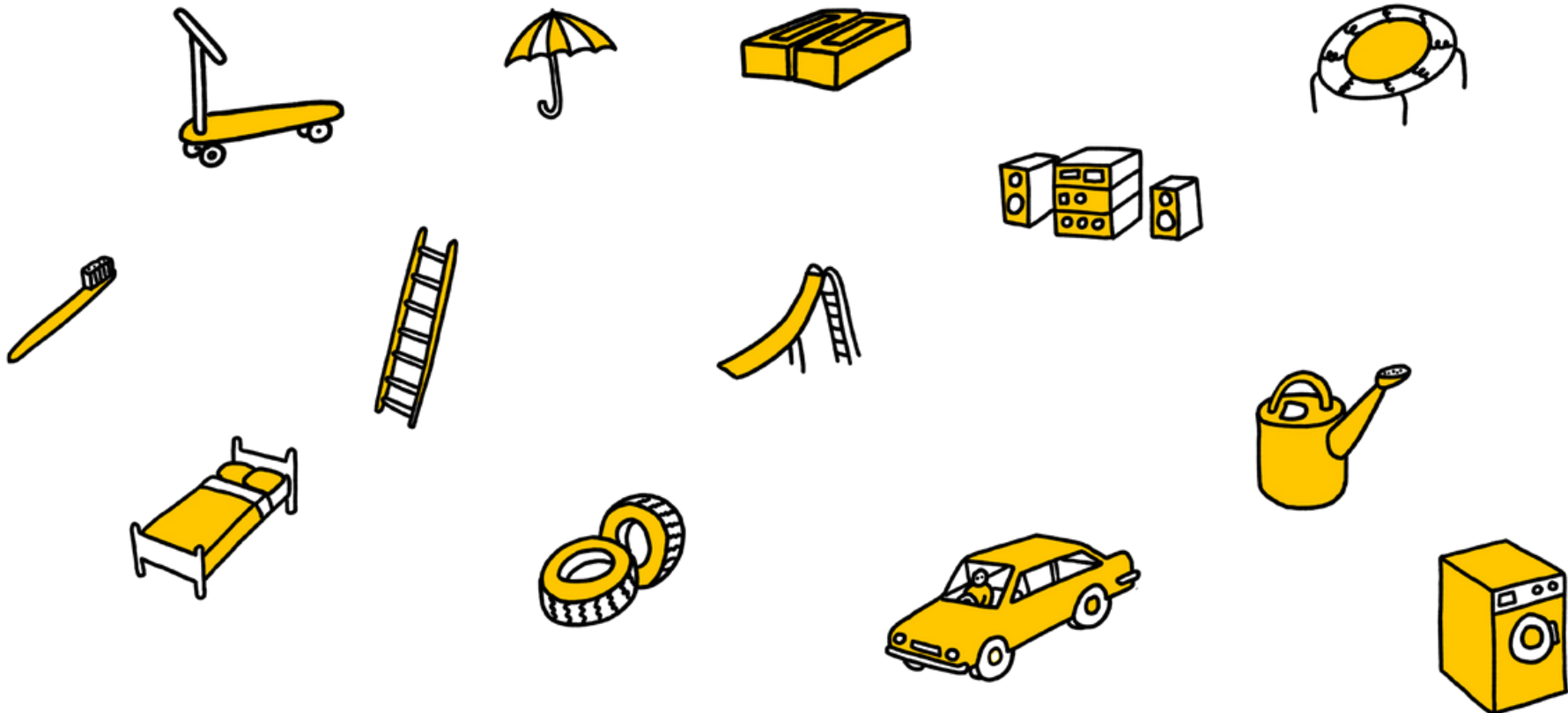
How you can help it?

Five horizontal lines for writing the answer to 'How you can help it?'.



ACTIVITY: WILDLIFE PROFILER

How could you re-use these old objects to give them a new life? Be inventive! Could you join them together, multiply them, add on other parts or even use them as just a small part of something much bigger? Draw on or around the objects, or on a separate piece of plain paper to transform them into something fun or useful. You could also think up more of your own!



A little inspiration!



ACTIVITY: TRASH TO TREASURE

Write a story about an invention that improves the health of our planet. Who needs help, what's the problem, how did the invention help?



Think about the characters in your story, who are they and why might they need your invention?

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Beginning. How does it start? Where is it set?

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Middle. What is the problem that needs solving?

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End. How could your invention help? What happens next?

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ACTIVITY: WHAT'S THE STORY?

Cut up the cards and pick one to get started.

Invent a children's playground that generates green energy	Invent a new way to package food and drinks that doesn't use plastic	Design a house made from things you can find on the beach
Invent a method of transport using butterflies	Invent a device that protects trees from illegal logging	Invent a hat that harnesses green energy to power all your devices
Invent a use for empty coconut shells	Invent a way to use a volcano to heat a city	Invent a way to rescue animals from wildfires
Invent a way to get rid of the 8 million tonnes of plastic that enter in the oceans each year	Invent a mobile phone powered by green energy	Invent a use for the recycled hair from hairdressers' floors

ACTIVITY: MINI CHALLENGE CARDS

Thinking up a short story can help to come up with new invention ideas. Stories have a beginning, a middle and an end.

1. At the beginning there's a problem. Who has the problem and what are they finding difficult or annoying to do?
2. In the middle, think about a way to solve the problem in a fun, practical, clever or totally bonkers way!
3. Then at the end show how the problem was solved and how your invention is used.



Here's some examples



① **The Problem!** I can't reach the book I want!

**The invention solution!** The book shelves slide out to make steps

**Using my invention!** That's better!

② **The Problem!** The dog doesn't like the rain

**The invention solution!**

**Using my invention!** The dog is happy with his Dogbrella!

Now solve the problems on the next page



Solve these problems

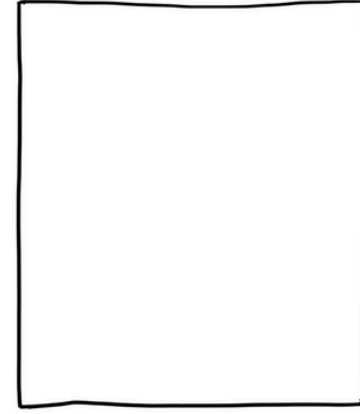
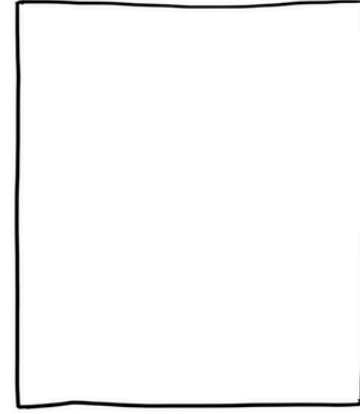
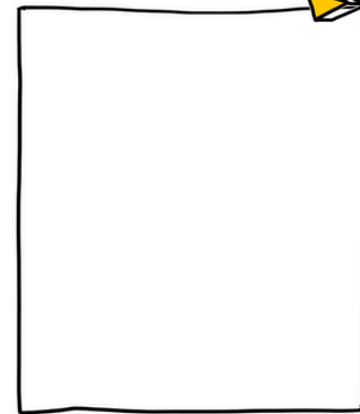
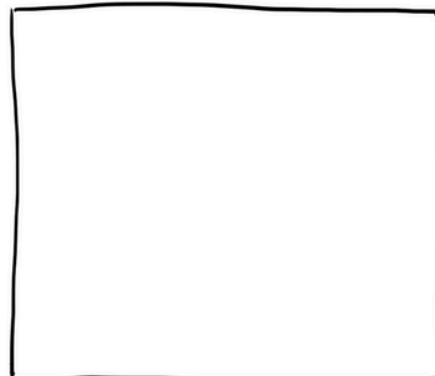
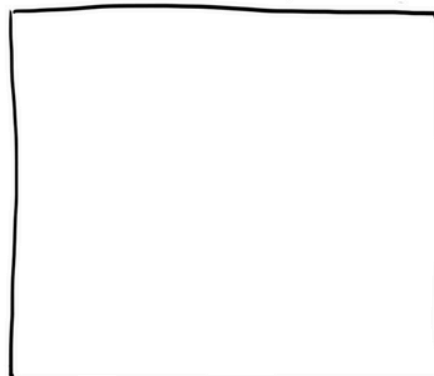
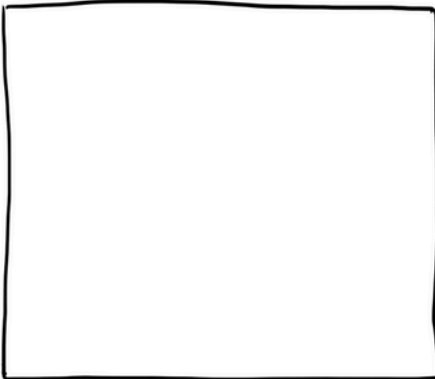
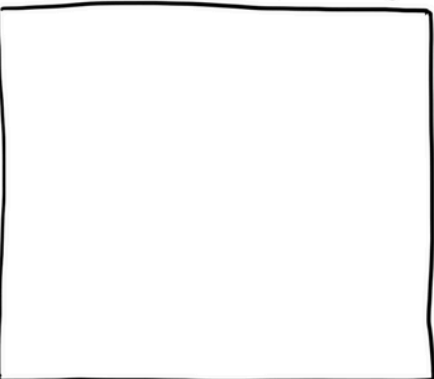
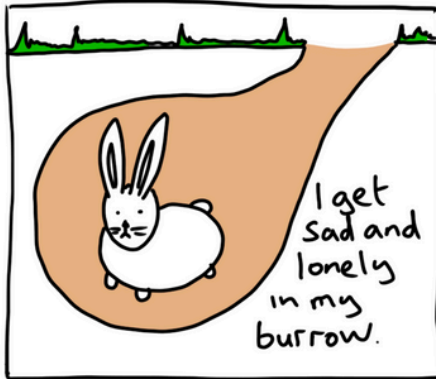
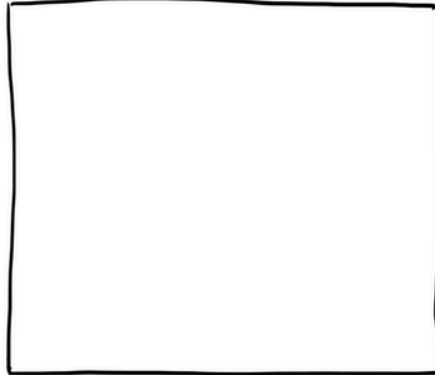
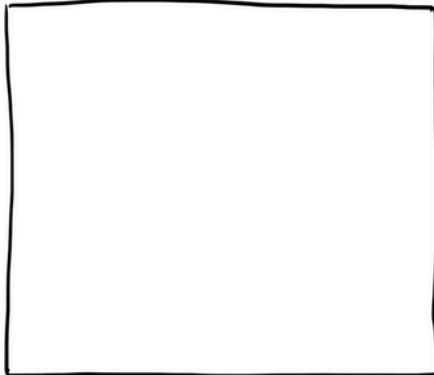
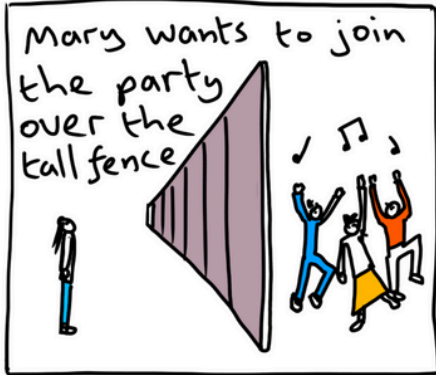


Now make up your own!



The Problem!

The invention solution! Using my invention!



ACTIVITY: PROBLEM DETECTION COMIC PT2





What can you invent to help prevent climate change and protect our planet?

Invention name

First name ..... Age .....

School .....

Town/city .....

Country .....

Tell us more!  
(Who it is for, what it does, how it works)

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