

CLASS 5'S ASSEMBLY





Miss Abel and Mrs Williams



@Miss Abel and
Mrs Williams

Let's say...

“

We live near a coral reef and our family relies on the reef for food, tourism and jobs. The coral is starting to turn white and fewer fish are living there. What can we learn about how coral reefs stay healthy, why they are in danger and how people can protect them?”

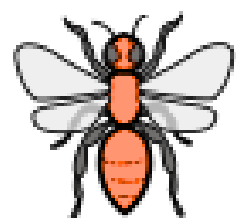
What Are Coral Reefs?



Vocabulary



polyp

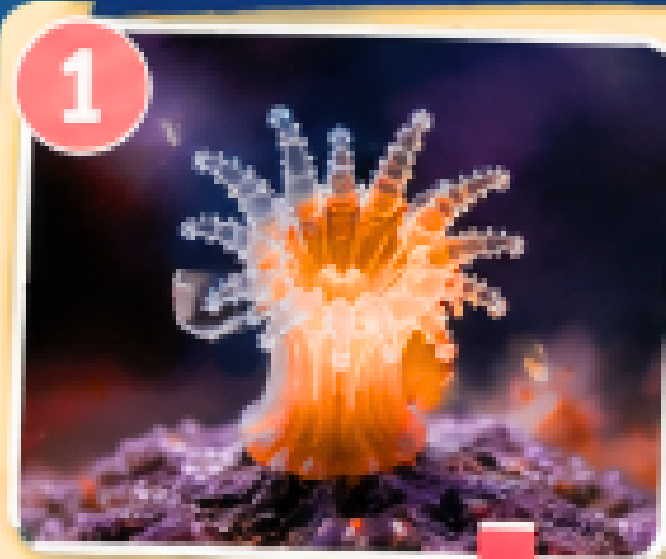


exoskeleton



reef

How reefs are made



Polyp

Tiny living animals called polyps build the reef.



Exoskeleton

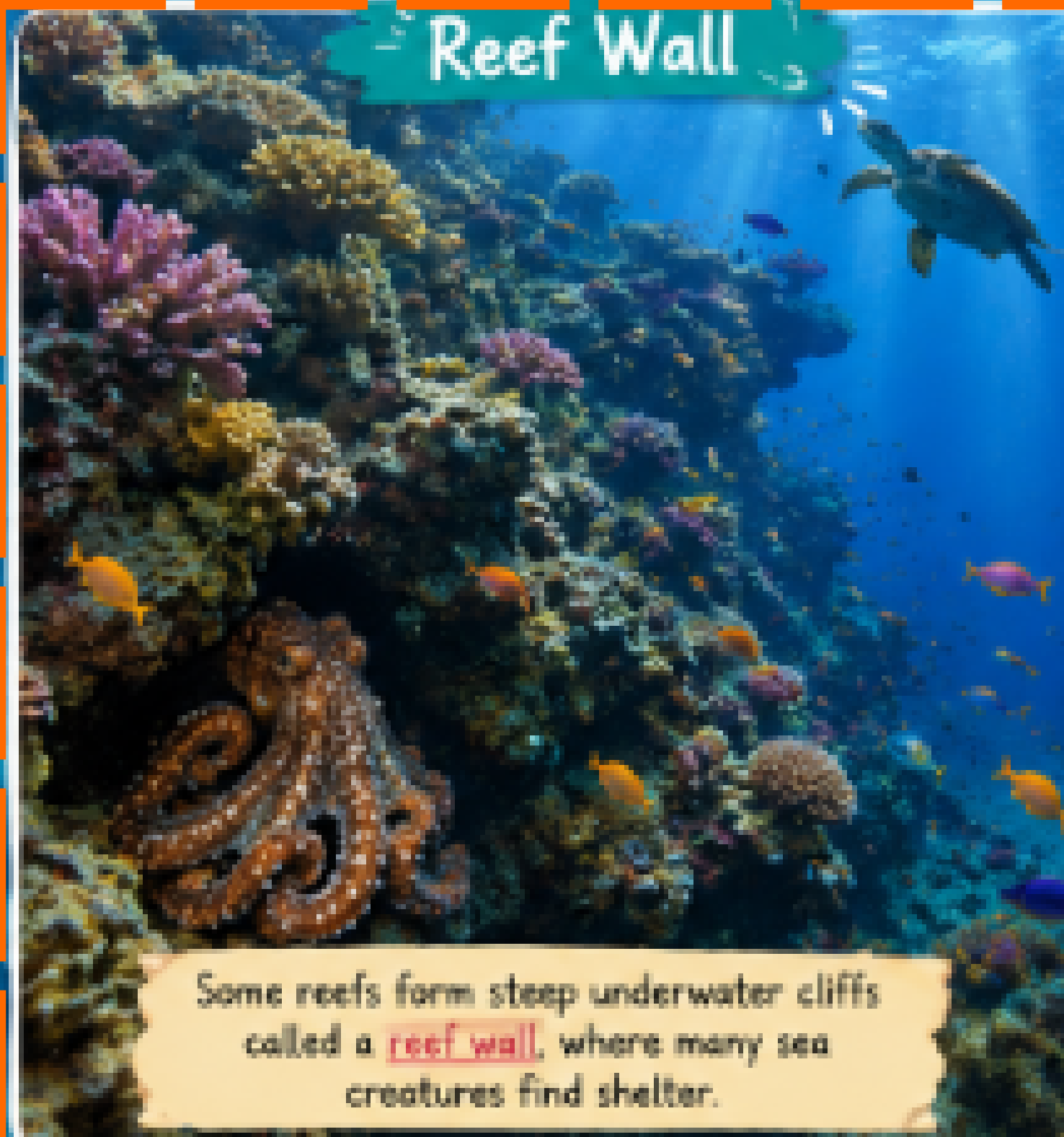
Each polyp builds a hard exoskeleton.



Reef

Thousands join together over time to create huge reefs!

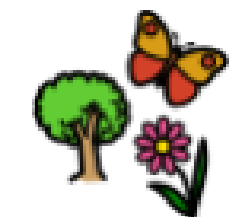
Reef Wall



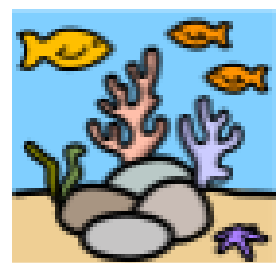
Some reefs form steep underwater cliffs called a **reef wall**, where many sea creatures find shelter.

What Are Coral Reefs?

Vocabulary



species



reef

- Full of Life!



Parrotfish

I help clean the reef!



Common Octopus

I can camouflage!



Clownfish



Sea Turtle

Coral reefs are full of life, because they provide food and homes for many different species.

Our Coral Reef Factfiles

Date: 17.04.26

Name: Elsie

Learning objective
To locate and describe the significance of the Great Barrier Reef.

The Great Barrier Reef

Introduction

Where is the Great Barrier Reef? Australia's Queensland coast ✓
 How big is it? 2300 Km
 Where can the Great Barrier Reef be seen from? Queensland coastal townscape ✓
 What are coral reefs under threat from? climate change ✓
 What year was the worst 'die-off' for coral reefs? 2014-2017 ✓

Fun fact: The great barrier reef is the largest living structure on the earth. ✓

Geology

How long has coral been growing in this region? 5,000 to 10,000 years ago ✓

Ecology

How many species live on the Great Barrier Reef? 1,500 to 1,625 ✓
 What kinds of animals live on or by the reef? blobfish, clownfish, stingrays ✓

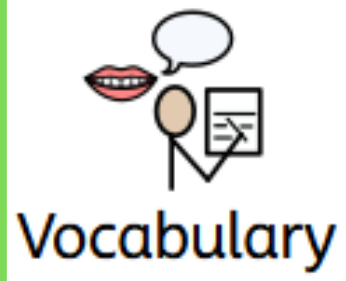
Benefits

How do fish use the reef? for food, survival and breeding ground
 How do humans benefit from the reef? scientific research, tourism, fishing and shipping

Climate change

What can cause damage to the reef? climate change, habitat loss and coral being damaged ✓

What is the Great Barrier Reef?



Vocabulary



Australia



reef

The **Great Barrier Reef**, which is the largest reef on Earth, stretches for over **2,300 kilometres** along the coast of Australia.



The reef is made up of thousands of smaller reefs, which are all **connected** and support an amazing variety of life.

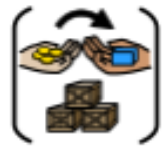


Over 2,300 km long!

What is the Great Barrier Reef?



Vocabulary



trade



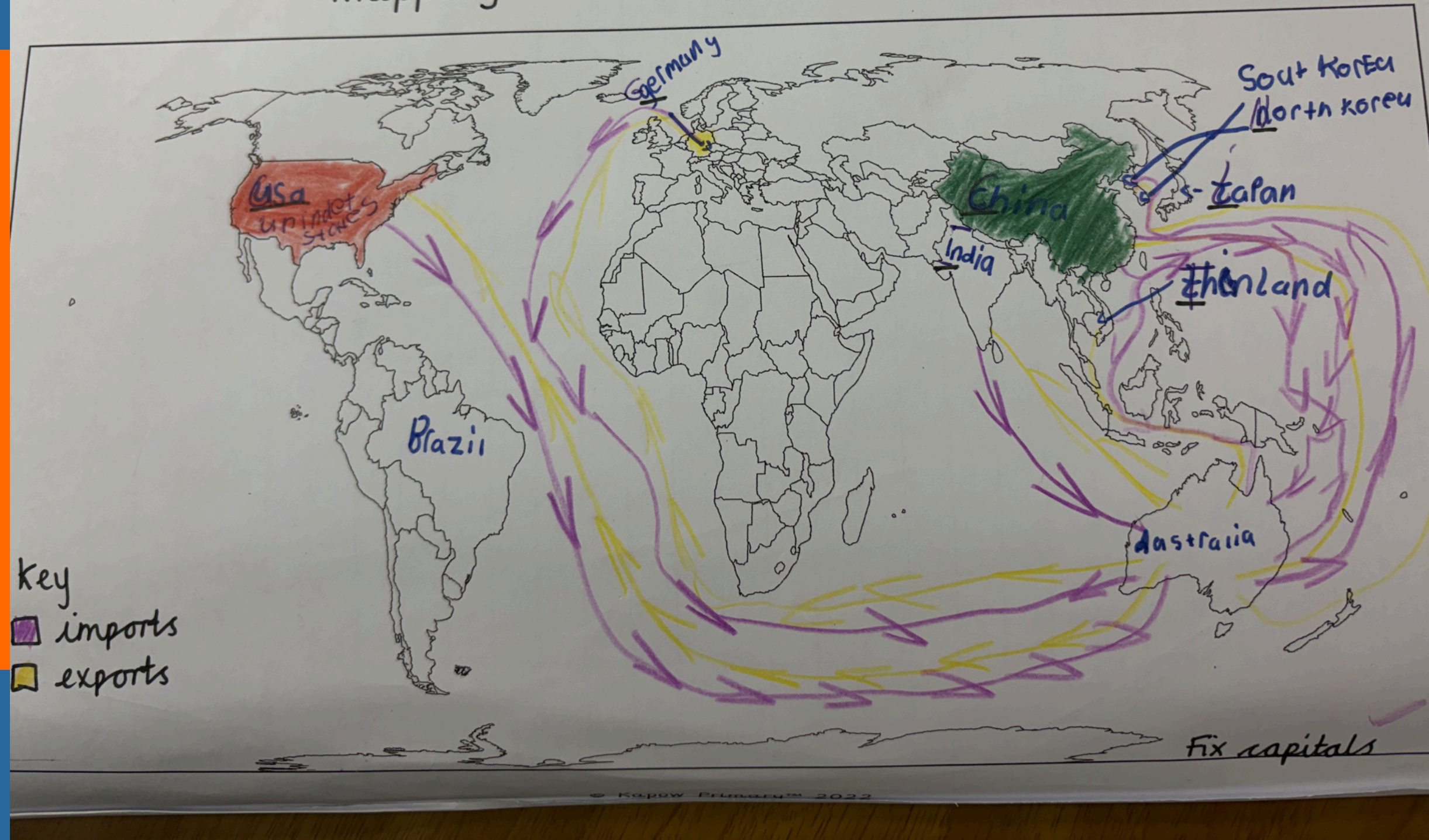
routes

We have plotted trade routes from Australia, so we could understand where the reef is and how people travel near it.

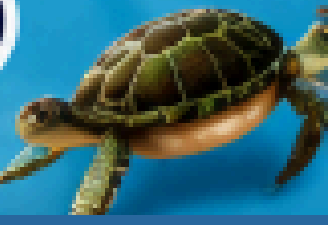


reef

Mapping Australia's trading routes



What are the benefits of coral reefs?



1 Protects Coastlines



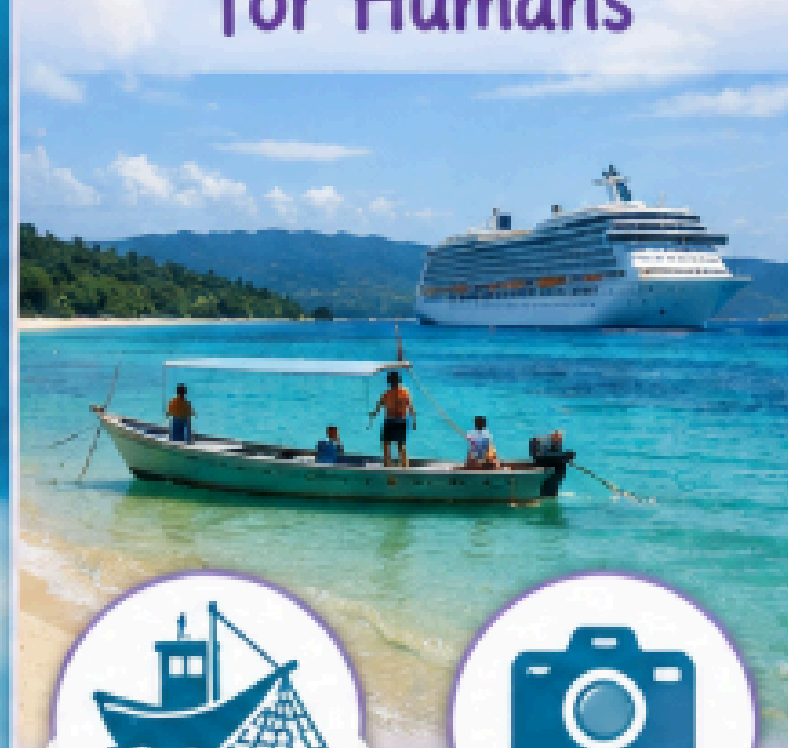
Coral reefs protect coastlines from strong waves, which means they help prevent flooding and storm damage.

2 Habitats for Sea Creatures



They provide **habitats** for sea creatures, so many animals can live, feed, and reproduce there.

3 Important for Humans



Supports fishing industries

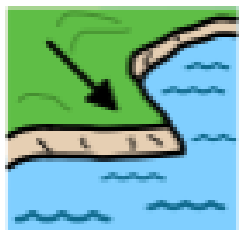


Attracts tourists from around the world

4 Affects Where Coral Can Survive



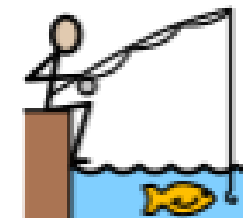
We have explored thematic maps that show **ocean currents**, **water temperatures**, and **environmental changes**, which all affect where coral can survive.



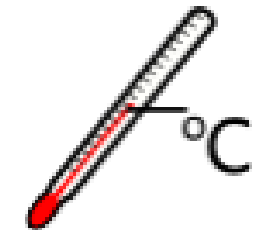
coastlines



habitats



fishing

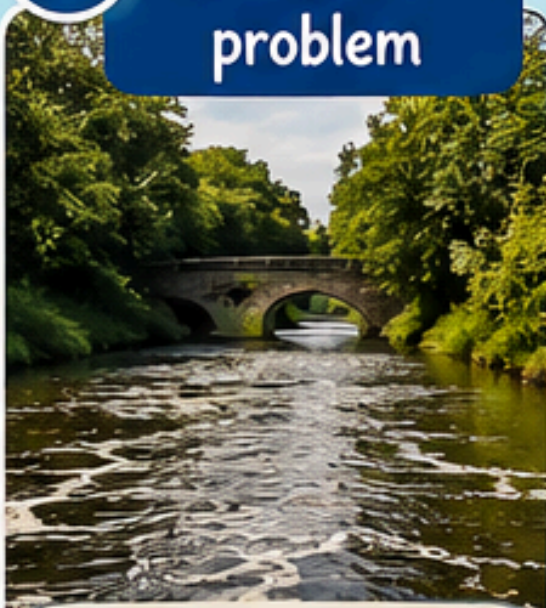


temperature

Water pollution in the UK

1

A serious problem



Although coral reefs are far away, water pollution in the UK is also a serious problem that affects our rivers, lakes, and seas.

2

Untreated sewage



Sometimes, water companies release untreated sewage into the water, especially after heavy rain, when the system becomes overwhelmed.

3

What is sewage?



Sewage includes human waste, such as wee and poo, which can carry harmful bacteria like E. coli.

4

Germs can make us ill



Because these germs can spread through the water, they can make both people and animals unwell.

5

Damaging our oceans



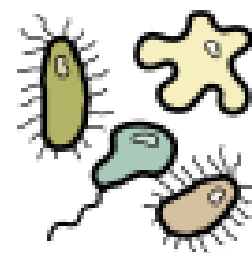
When polluted water flows into the sea, it can damage marine ecosystems and reduce oxygen levels, so living things struggle to survive.



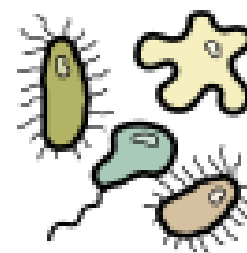
pollution



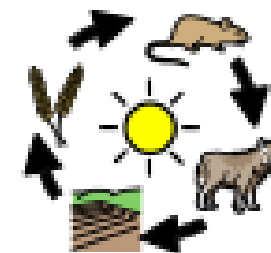
sewage



bacteria



germs

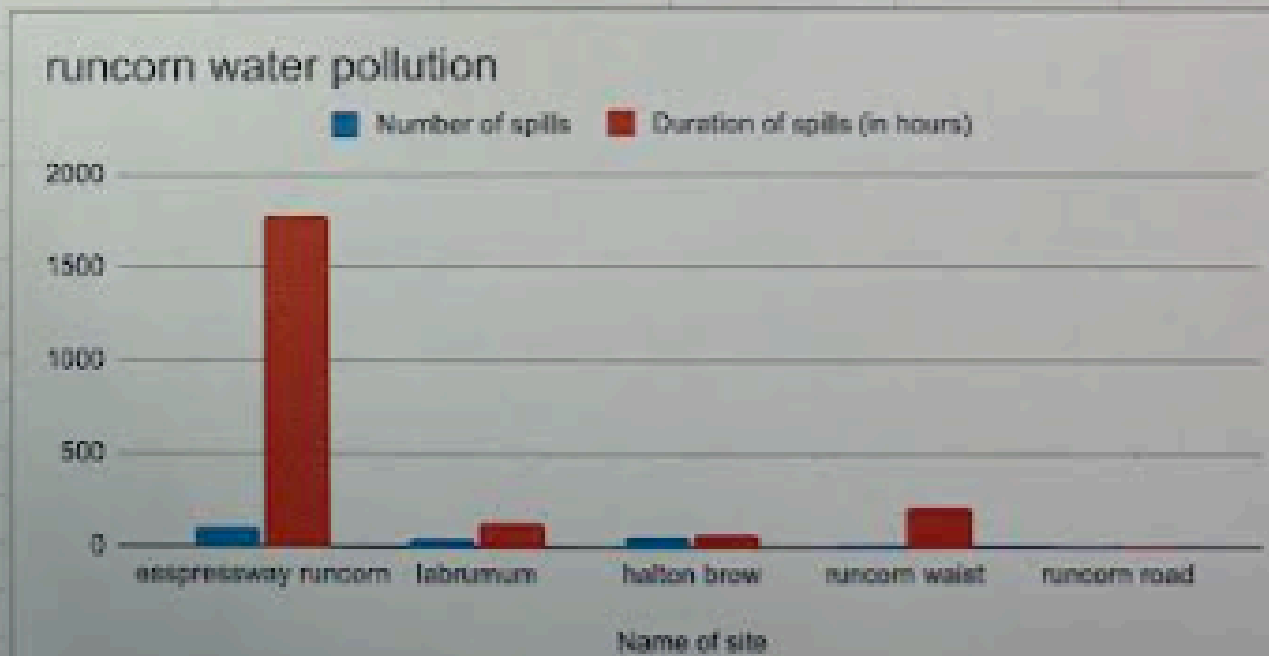


ecosystem



Water pollution in the UK

Name of site	Number of spills	Duration of spills (in hours)	Where was the water discharged?
esspressway run	102	1,772.27	willow brook
labrumum	50	127.47	manchester ship canal
halton brow	61	66.27	manchester ship canal
runcom waist	21	218.32	manchester ship canal
runcom road	8	9.17	manchester ship canal via manchester roads swps



How can we stay safe?

- 1 Check if the water is safe to swim in.



- 2 Try not to swallow the water.



- 3 Wash our hands afterwards, especially before eating.



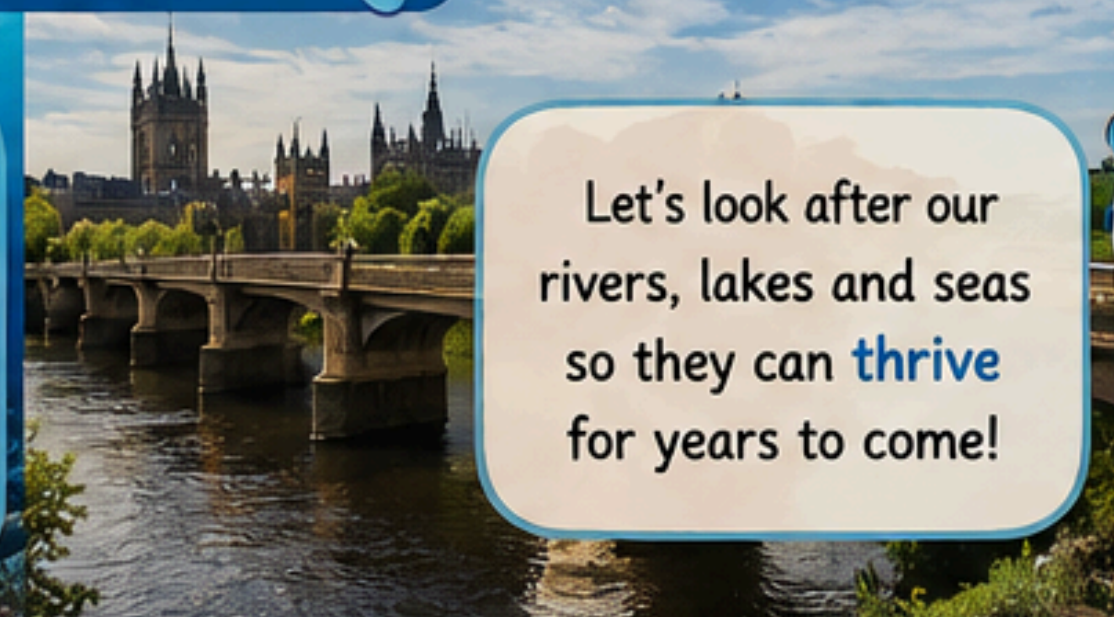
- 4 Stay informed and be careful to protect our health.



Why does this matter?



Healthy water supports wildlife, keeps our environment clean and helps everyone stay healthy.



Let's look after our rivers, lakes and seas so they can thrive for years to come!



Clean water for a better future!

What can we do to protect our oceans?

Although the problems are serious, there are many things we can do to help protect coral reefs and our oceans.



Use less
plastic



Recycle
more



Raise
awareness



Work
together



Small actions
count



What can we learn from Kester?

“Nature needs protectors.”



The Last Wild



Animals disappearing



Pollution



Humans causing damage



Our Oceans



Coral bleaching



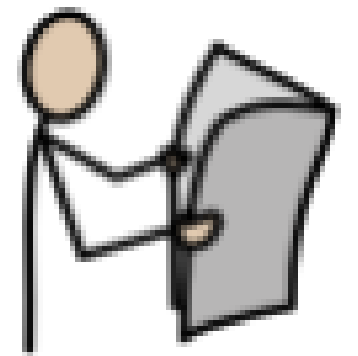
Plastic pollution



Endangered sea life



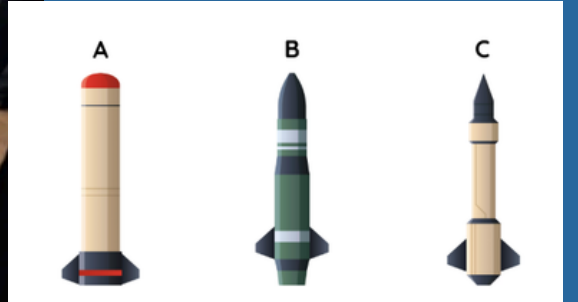
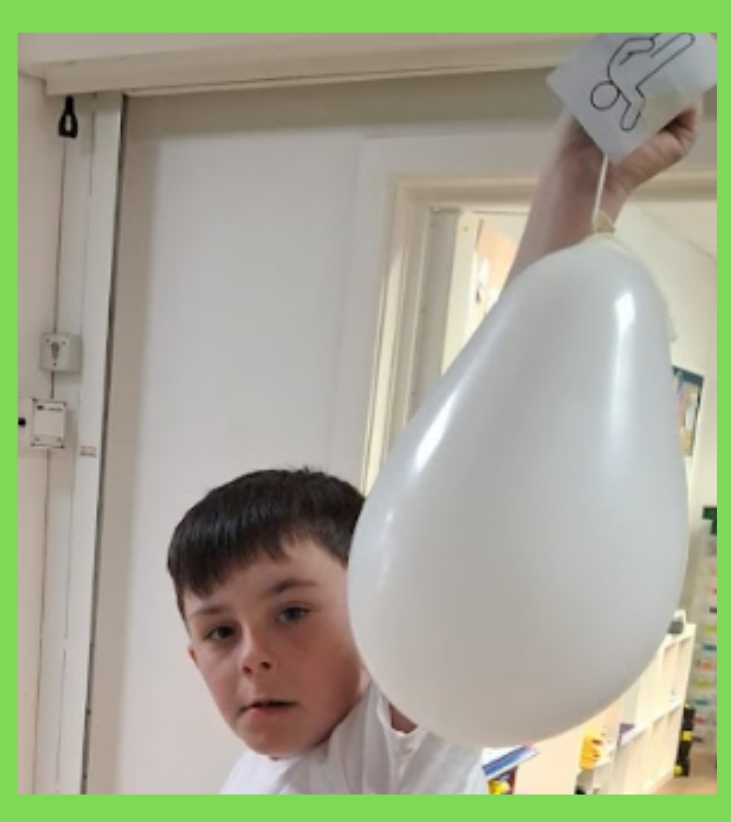
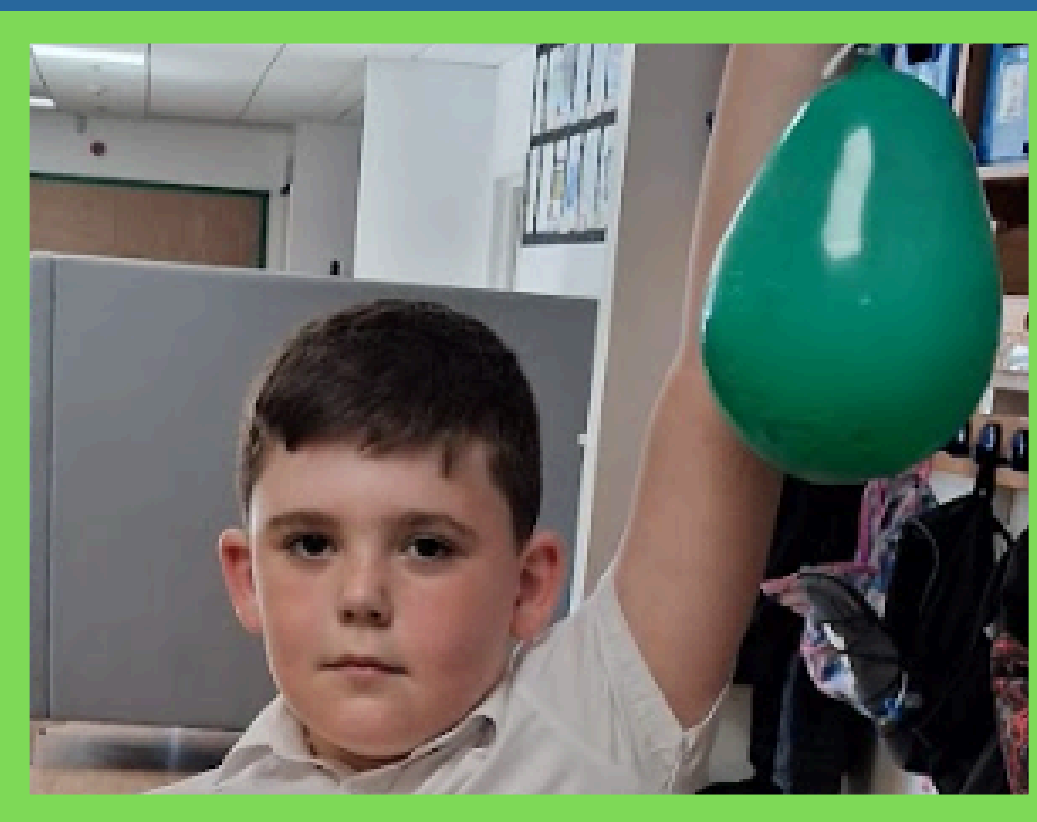
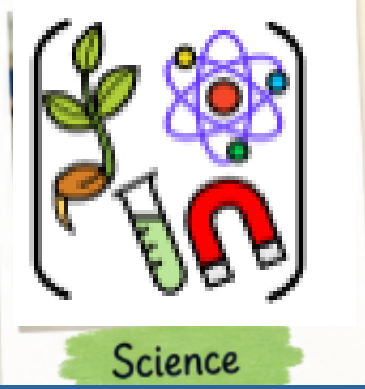
Like Kester, we can **choose to help.**



Reading

Science in Year 5

FORCES



investigating air resistance: does the surface area of a parachute affect the time taken for it to fall?

Does surface area affect the time taken for an object to sink?

★ Other Learning This Term ★

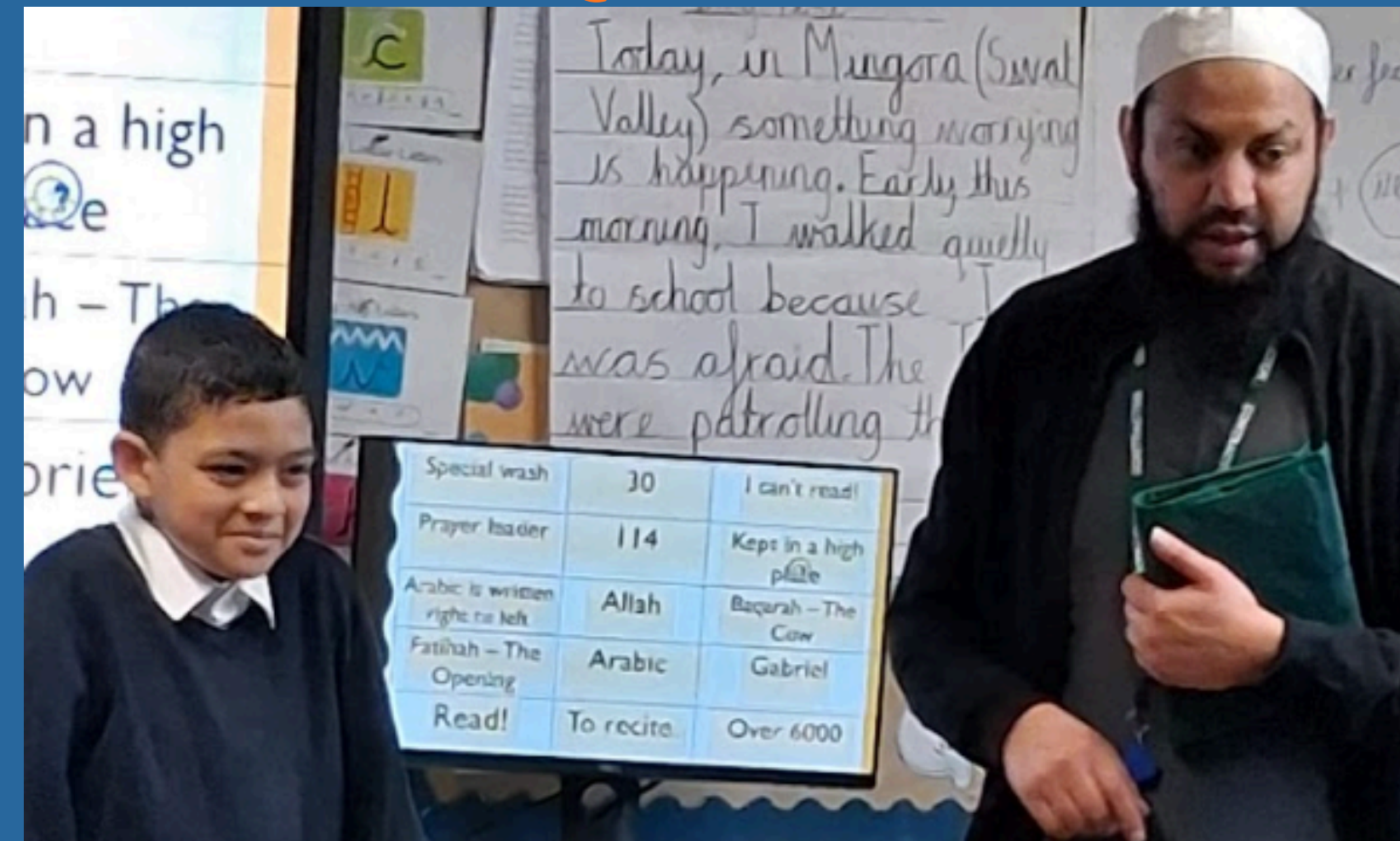
Visit to St Mary's Church



RE



Our visitor taught us about Islam. Well done Siam for reading the Qu'ran!





PE in Year 5

Be Active. Have Fun. Achieve Together.



SWIMMING

We are building our confidence, improving our technique and challenging ourselves to get even better!



WATER SAFETY



PROGRESS



PERSEVERANCE



CRICKET



SKILLS



TEAMWORK



FOCUS



LFC TRAINING

We are learning new skills, building fitness and showing the LFC values every session!



WORK RATE



RESPECT



TEAMWORK



AMBITION



ENJOYMENT





Mindful Monday



Be kind to your mind.



We start each week by taking time to pause, breathe and look after our minds.

A calm mind helps us learn and grow.



Mindful Mondays help us shine all week!

