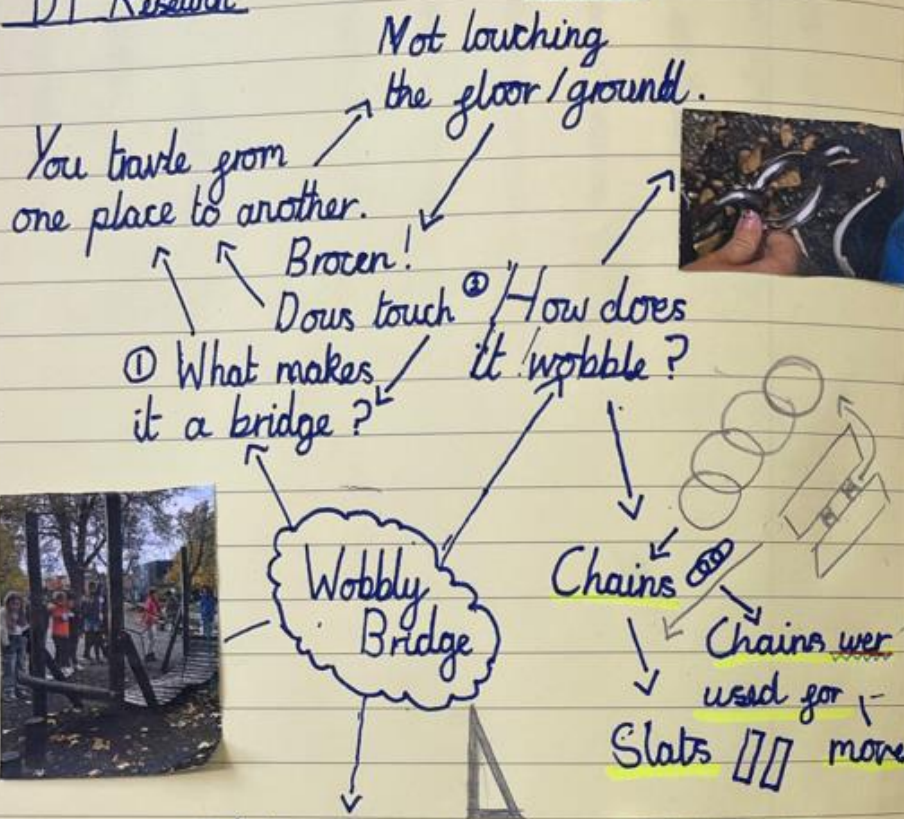


An abstract graphic featuring several overlapping, thick, curved lines in shades of green and blue. The lines are arranged in a way that suggests a stylized 'e' or 'u' shape, with the green lines on the left and blue lines on the right. The background is white.

Recognition assembly – Years 4, 5 & 6  
14<sup>th</sup> November 2025

DT Research

6.11.25



③ Why does it have triangles?



They push the pressure to the middle.



DT Research

Key Vocab

**Arch bridge** - The arch bridge design is over 3000 years old. In the past, arch bridges were usually made of stone, brick or wood. The supporting pillars that are at either end of the arches are called abutments.

**Beam bridge** - A beam bridge is the simplest type of bridge that you may come across. The beam part of the bridge is supported at either end, where the weight of the bridge pushes down.

**Cantilever** - a cantilever is something that sticks out to the side while being supported by something else.

**Cantilever bridge** - uses cantilevers to create an area for people or vehicles to travel on.

**Suspension bridge** - a suspension bridge uses ropes, chains or cables to hold the bridge in place.



## Suspension Bridges

- Use cables or chains to 'suspend' or hold the bridge up.
- ✓ Covers wide rivers / distances
- ✓ Attractive to look at. (Visually appealing)
- ✓ Unfortunately, if one chain breaks the whole bridge is much weaker. So someone needs to be paid to monitor it and fix it when it breaks.
- ✓ Expensive to Build

Jamse Finly invented the Suspension Bridge in 1801

# PPI- The Last Bear

Z.N.25

April Wood lived an isolated life with no friends and family as her dad travelled to remote regions of the world in the name of science. That's how she found herself on Bear Island. Stuck in the middle of the Arctic Circle with nothing but her dad and her beloved peanut butter.

~~A~~ ~~As the~~ Compared to home, here was cold, empty and lonely. ~~It~~ <sup>(1)</sup> it was a abyss. ~~The~~ <sup>(2)</sup> in the frozen wasteland stood two identical homes. They were metal huts, icicles dangled from its roof. One of the huts <sup>were</sup> were for April's dad to study and the other was for them to live in but April thought her dad would live in the study anyway. The mountains stretched over the top of the cloud's it made April feel small (not saying she <sup>isn't</sup> all body is small).  
The range look the two frozen huts.

There were 3 huts.

were x3 were were were

# Year 5

As the moon glistened in the moonlight while  
and owl hooted nearby, an excited crowd gathered  
around this strange shop like a swarm of buzzing  
wasps. The shop's bricks were as black as  
a piece of charcoal in the ominous night.

A buzzing crowd 10.11.25



inquisitive  
obsidian  
gleaming

bats fluttering

glistening in  
the sky glowing  
leaves only hooting

eerie charcoal obsidian strange odd creepy  
shiny bat ~~cat~~ coal ominous

The Deer ~~comes~~ 12.11.2021

In Salt  
hot dust  
freshly picked fruit  
In crooks just out of view

fragrance  
scent



petite  
long-tailed



stolid  
raptured

a Deer whose wings glissened  
in the moon light  
a Deer like sand its shimmer  
of peace

The air was for me sure with millions of baby spirit  
scents ~~from the~~ the smell of freshly picked fruit picked a few from  
the ~~beams~~ beams on a ~~whiff~~ whiff ~~from~~ from ~~chips~~ chips ~~crack~~ crack just out of the  
over, the smell of it of when you walk up in  
the summer to ~~particular~~ particular ~~beams~~ beams ~~white~~ white ~~map~~ map ~~grass~~ grass. A deer,  
whose ~~whole~~ whole wings ~~shimmer~~ shimmer in the moon light, did a silent  
dash across the cloudy sky ~~flashing~~ flashing ~~like~~ like ~~giddy~~ giddy ~~whispered~~ whispered  
filled the sky saying the number ~~was~~ was Empress is open bring  
with your ideas in ~~the~~ the!!  
with  
with  
with

# Year 6

## Ocean plastics

12.11.25

Key vocabulary			
ocean current	microplastics	pollution	littering
chemicals	marine wildlife	recycle	food chain

The Great Ocean Garbage Patch...  
GREAT PACIFIC GARBAGE PATCH  
- equivalent area

- microplastics  
- food chain  
- marine wildlife

Single-Use Plastic  
- reducing  
- single-use plastic  
- litter.

Using the diagram above, explain:

1. What is The Great Ocean Garbage Patch and how big it is  
*The Great Ocean Garbage Patch is...*
2. What effect it is having on marine wildlife  
*It is having a negative effect on marine wildlife because...*
3. What can be done about it  
*We can do a number of things about it, such as...*

1. The great Garbage patch is the same size as France the whole of Europe.  $1,600,000 \text{ km}^2$ . 2. microplastics is causing fish to eat plastic and when the fish get killed the humans eat the fish they get really sick.

3. We can not throw plastics and all our rubbish in on the floor because it will go down the drain the through the river then to the Sea. so we can just put in it the rubbish bin.

## Ocean plastics

12.11.25

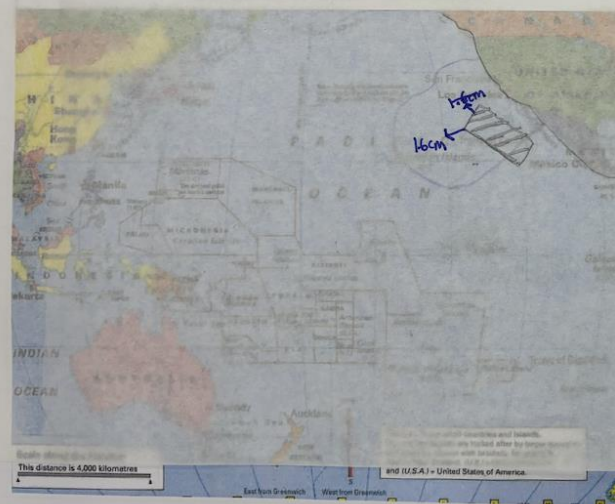
1. Ratio table for the map of Oceania

Length (cm)	Distance (km)
4cm	4000 km
0.4cm	400km
0.8cm	800km
1cm	1000 km
2cm	2000 km
8cm	8000 km

2. What rectangle will you draw on the map to show a scaled area of  $1,600,000 \text{ km}^2$ ?

Length (cm)	Width (cm)	Area ( $\text{cm}^2$ )
4cm	0.4cm	$1.6 \text{ cm}^2$
(4000km)	(400km)	$(1,600,000 \text{ km}^2)$
2cm	0.8cm	$1.6 \text{ cm}^2$
(2000km)	(800km)	$(1,600,000 \text{ km}^2)$
1cm	1.6cm	$1.6 \text{ cm}^2$
(1000km)	(1,600km)	$(1,600,000 \text{ km}^2)$

3. Label the length and width of your rectangle after you have drawn it on tracing paper



## Ocean plastics

12.11.25

1. Ratio table for the map of Europe

Length (cm)	Distance (km)
3cm	1000 km
1.2cm	400km
2.4cm	800km
6 cm	2000 km
12 cm	4000 km
24 cm	8000 km

2. What rectangle will you draw on the map to show a scaled area of  $1,600,000 \text{ km}^2$ ?

Length (cm)	Width (cm)	Area ( $\text{cm}^2$ )
12 cm	1.2cm	$14.4 \text{ cm}^2$
(4000km)	(400km)	$(1,600,000 \text{ km}^2)$
6 cm	2.4 cm	$14.4 \text{ cm}^2$
(2000km)	(800km)	$(1,600,000 \text{ km}^2)$
3 cm	4.8 cm	$14.4 \text{ cm}^2$
(1000km)	(1,600km)	$(1,600,000 \text{ km}^2)$

3. Label the length and width of your rectangle before you draw it on tracing paper



# The Attack

10.11.25

After all of those thoughts & I remembered I had to return to the farm plot. On my way I saw a slicker of movement behind a bush. I thought nothing of it until I saw it. Birds screeching & a boat was charging to us as it sliced through the waves with its vicious ~~vicious~~ vicious dragon head. They got out of the ~~boat~~ boat as their voices roared with ~~rag~~ rage. All of us froze as the Earth ~~sh~~ shook beneath the fury of their charge. My friends and family who I had ~~known~~ known all of my ~~life~~ life were ripped apart in an ~~instant~~ instant they were laughing as they were doing it ~~slice~~ thrashing and slashing with their ~~weapons~~ weapons ~~weapons~~ weapons ~~weapons~~ weapons. So I ran until I tripped. <sup>one</sup> one of them were rushing towards me with absolute rage. I hid, tuckily behind in a lush green bush. I watched my friends ~~and~~ and family ~~to~~ getting ~~to~~ slashed and thrashed ~~and~~ then getting thrown into the mysterious ~~sea~~ sea. After ~~the~~ All that was in the air ~~was~~ was smoke, terror. ~~And~~ Death... And ~~death~~ death

rep.

\* unscathed, ~~and~~ obliterated

\* unknown