SEA★LiFE
London

The Natural World

Dive deep into a world of underwater discovery...
Pre- and Post-visit Lessons (ages 7–11)

Madame Tussauds LONDON

The London Eye

The London Dungeon

DREAMWORKS TOURS Shrek's ADVENTURE! LONDON

SEA★LiFE London

MERLIN SCHOOLS LONDON

The Natural World (Ages 7-11)
Dive deep into a world of underwater discovery…

SEA LiFE London

Your educational visit to SEA LIFE London…

Pupils will… develop a love for a natural world at SEA LIFE London! Together, they will dive into a world of amazing discovery to learn about some of the wonders of the natural world, as we introduce them to some of our core sea creatures – from sharks and jellyfish to sea turtles and seahorses! Pupils will be able to identify different 'creature features', understand creatures' needs, and explore ocean, river and even rainforest habitats – making some new, colourful, and incredible friends along the way!

The objectives of these pre- and post-visit lessons include, but are not limited to:

★ **To develop** an appreciation for the natural world around us

★ **To identify** and describe a variety of ocean creatures and habitats

★ **To label and classify** the features of different creatures and describe their functions

★ **To identify** the challenges of different habitats around the world and how animals need to adapt to overcome them

★ **To appreciate** the value of the marine environment and develop respect and empathy for its inhabitants

★ **To promote** a positive view of science and scientists

★ **To have fun** at SEA LIFE London and be surprised by the variety of marine life

★ **To develop** communication (speaking and listening) and social (learning together, working together, meeting people) skills

These lessons have been written for pupils aged 7–11 but could be differentiated for younger or older age ranges at the teacher's discretion.

Amazing
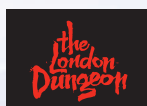
Objectives and outcomes

This pack provides material for at least three hour-long lessons; the first two should be delivered before visiting the SEA LIFE attraction, and the third should be delivered after visiting, to consolidate learning.

Pre-visit Lesson 1:
Meet Our SEA LIFE Creatures!

Objectives:

★ To identify different sea creatures in the ocean

★ To match physical features to different creatures

★ To describe a sea creature using appropriate vocabulary

Outcomes:

A list of sea creatures matched to the correct images; a record of different features belonging to each sea creature; a description of a sea creature; a portrait of a sea creature

Pre-visit Lesson 2:
Creature Needs

Objectives:

★ To identify that humans have different needs in order to survive and be happy

★ To understand that creatures in the natural world have the same needs as humans

★ To identify the features of a good home and why they are important

Outcomes:

Descriptions of children's homes; a prioritised list of 'creature needs'; a record of questions to ask 'the experts' at SEA LIFE London

Post-visit Lesson 1:
A Trip Around the World

Objectives:

★ To identify and describe different habitats across the world

★ To match creatures to habitats, based on their features

★ To understand that creatures have adaptations that help them to survive in their environment

Outcomes:

A description or drawing of a good memory from the experience; descriptions and locations of different habitats around the world; a record of animals matched to their habitats; Natural World Explorer badges!
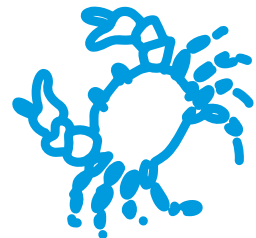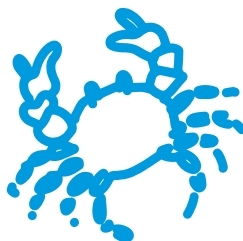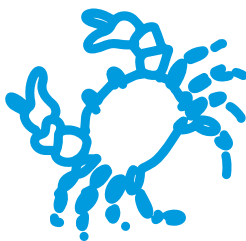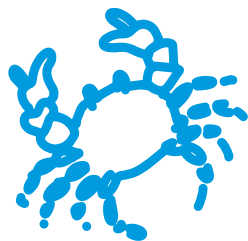
Meet our SEA LIFE creatures!

Lead-in questions:

★ What do we mean by the phrase, 'the natural world'? Why is it important?

★ What is your favourite animal? Why?

★ What is your favourite animal that lives under the sea?

Meet our SEA LIFE creatures!
## TASK 1

SEA LIFE
London

During your trip to SEA LIFE, you will travel through Pacific Ocean tunnels, tropical rainforests (and even a shark reef!) to see the different creatures and habitats on planet Earth.

Take a look at the SEA LIFE Creatures Photo Album to find out *just* who you'll be meeting on your journey…

Can you match the SEA LIFE creature to the correct image? There might be clues in the creatures' names to help you, so keep an eye out for any key words.
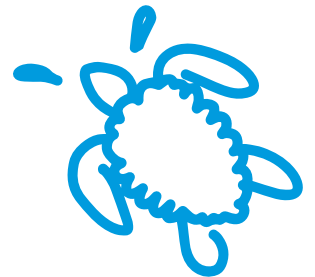
- Green Sea Turtle – *Meet Boris*
- Sand Tiger Sharks – *Meet Zippy and Bungle*
- Nurse Sharks – *Meet Carol, Dean, El Diablo, Ashley and Belle*
- Bowmouth Guitarfish (half shark, half ray) – *Meet Betty*
- Mangrove Ray – *Meet Disco*
- Gentoo Penguin – *Meet Juno*
- Snapping Turtle – *Meet Bowser*
- Green Tree Boas – *Meet Stilton and Broccoli*
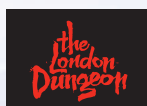
Which creature's name is your favourite? Why?

....

....

....

Meet our SEA LIFE creatures!
TASK 1 RESOURCE: PHOTO ALBUM

SEA LIFE London

SEA LiFE
London

Fill in the sentence starter below.

The sea creature I most look forward to meeting from the SEA LIFE Creatures Photo Album is…
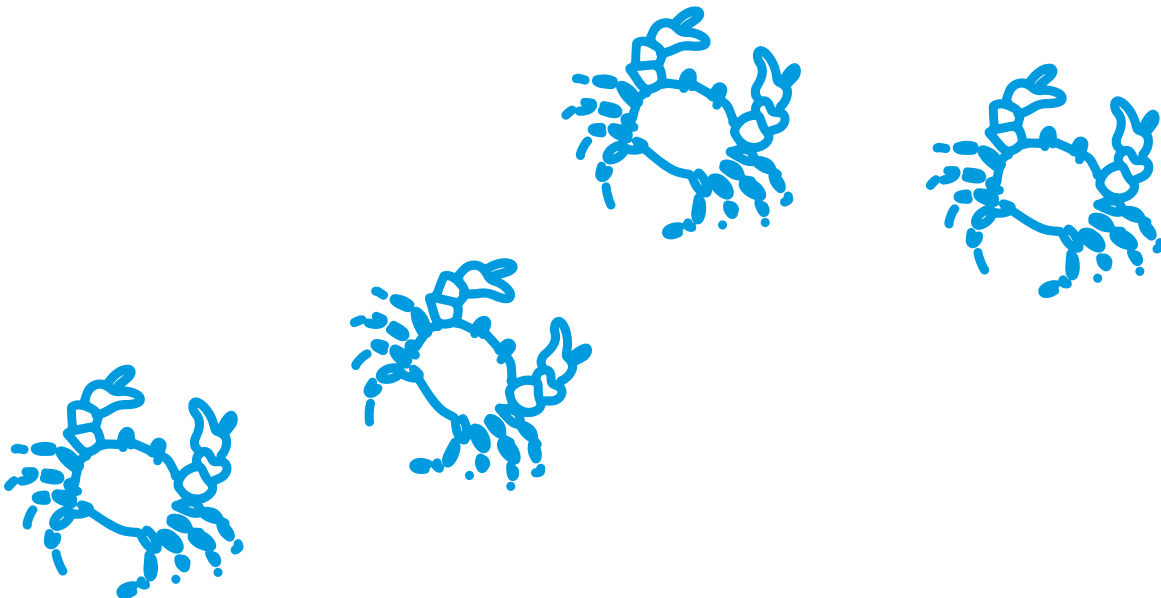
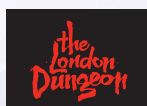...

because ....

....

....

....

....

Meet our SEA LIFE creatures!
TASK 3

SEA LiFE London

Now, in pairs, can you match the 'creature features' to the correct creature from the SEA LIFE Creatures Photo Album? Use the Creature Features Table to help you record your answers. Don't worry if you can't get them all; maybe just try to spot one or two!

CREATURES: green sea turtle; sand tiger shark; nurse shark; bowmouth guitarfish; mangrove ray; gentoo penguin; snapping turtle; green tree boa

Creature!	Features!
	Lots and lots of tiny, sharp teeth; fin; they look a bit scary (but they're not really!).
	A wide, smooth shell; greenish-coloured skin; flippers for swimming.
	Bright orange bill; orange-pink webbed feet; long body.
	Flat body; long tail trailing behind; mouth and nostrils under the belly!
	Strong jaws; grey-brown skin; fin, long tail, long whiskers.
	A very dark brown shell; rough skin; a strong, bony mouth or 'beak', perfect for snapping!
	Wide and thick body; fin; looks like a cross between a shark and a stingray!
	Greenish-colour body; extremely long and flexible body; doesn't have any legs.

WOW
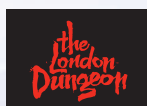
Meet our SEA LIFE creatures!
TASK 4

Now that you've learned a little bit more about the sea creatures that you're going to meet, it's time to have a go at describing them.
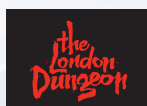
Using the Word Mat below, can you take turns to describe some of the creatures that you've learned about this lesson? You can either write down your descriptions, or you can simply speak to the person sitting next to you.

SMALL BIG WIDE SLITHERY TALL SCARY SHINY BEAUTIFUL FLAT PREDATORY CUTE COLOURFUL STRANGE SOFT SMOOTH WOBBLY QUICK

Add some of your own words if you can!

Meet our SEA LIFE creatures!
TASK 5

Finally, choose one of the sea creatures to draw in the Creature Portrait Template.

Bring your drawing with you when you visit SEA LIFE so that you can see how your interpretation compares to the real thing.

Cool
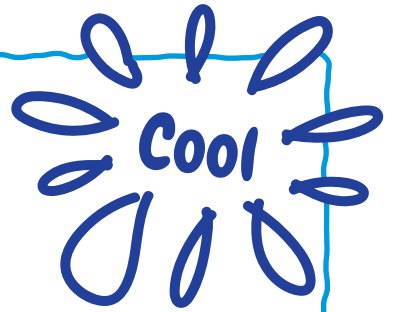
PRE-VISIT LESSON 2

Creature needs

Lead-in questions:

★ What important needs do you have as a human being?

★ What is your home like? How does it give you what you need?

★ Why is it important to have a good home?
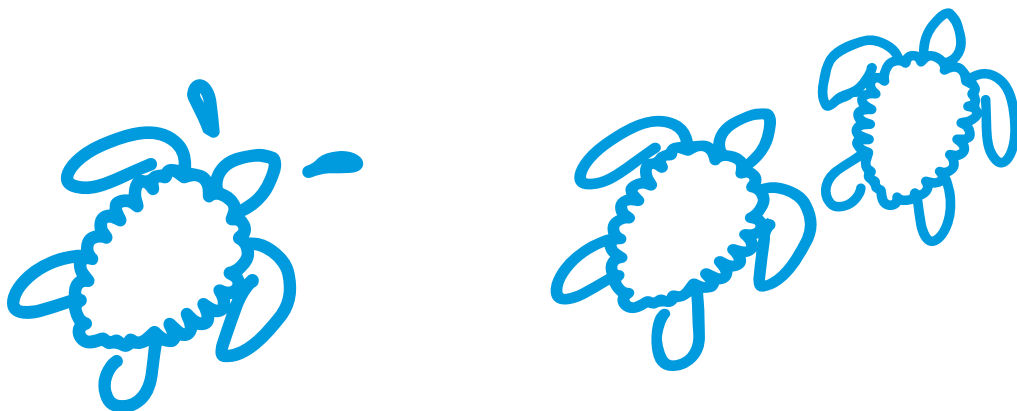
Creature needs

TASK 1

Using the My Home Template below, write down or draw all of the things that you need in a good home.

WoW
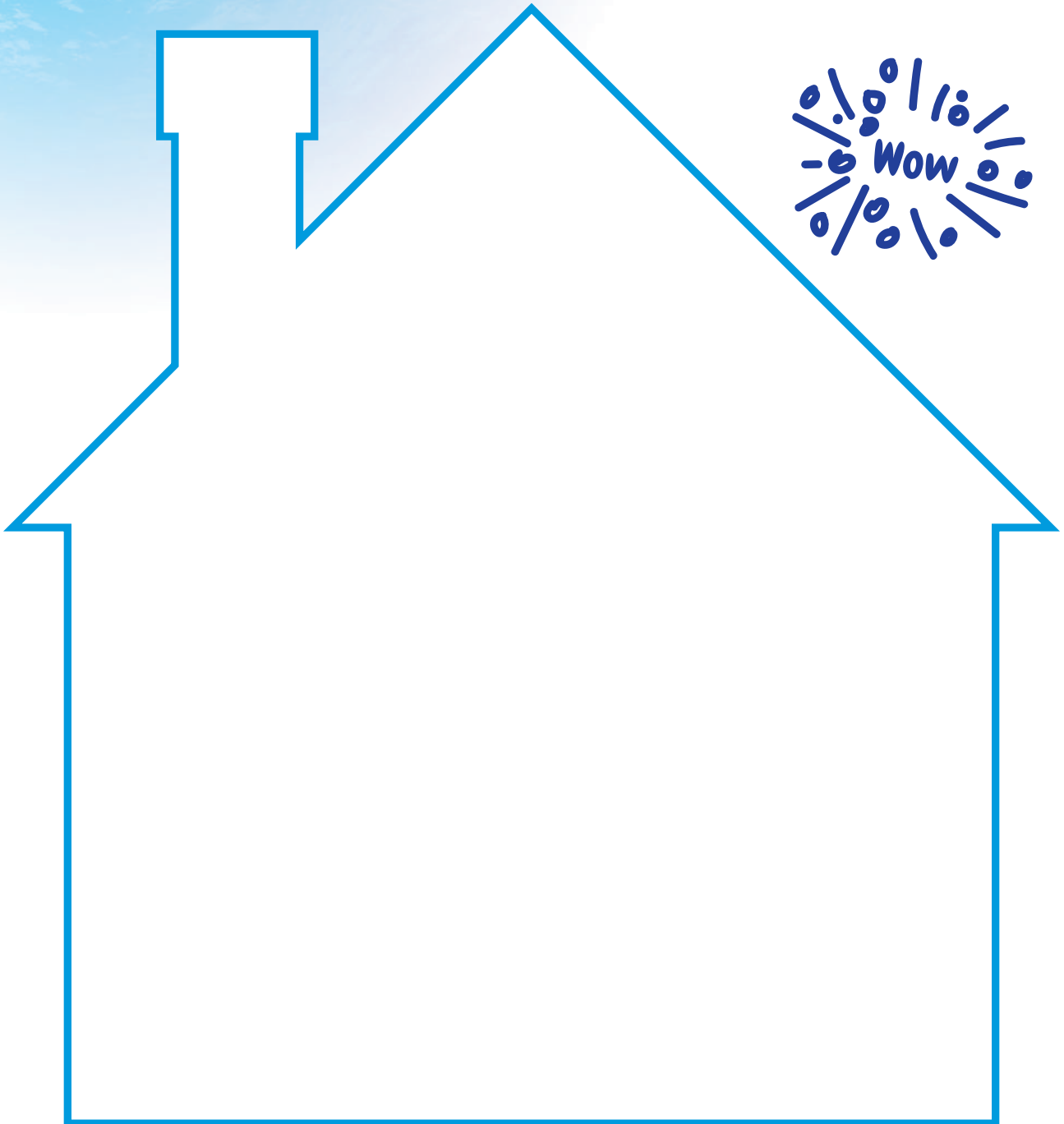
Creature needs
TASK 2

Look at the different needs that creatures have on the Creature Needs Grid below.
How many of these needs are similar to your own?

FOOD AND WATER	SHELTER	SOMEWHERE TO REST
COMPANY OF OTHERS	LOTS OF SPACE	SOMEWHERE THAT IS THE RIGHT TEMPERATURE

TASK 3

In pairs, cut out the Creature Needs from the grid and place them in order from most important to least important (where number 1 is the most important and number 6 is the least).

As you complete the task, consider how difficult it is to choose between the different creature needs. Is it possible that these needs are all equally important?
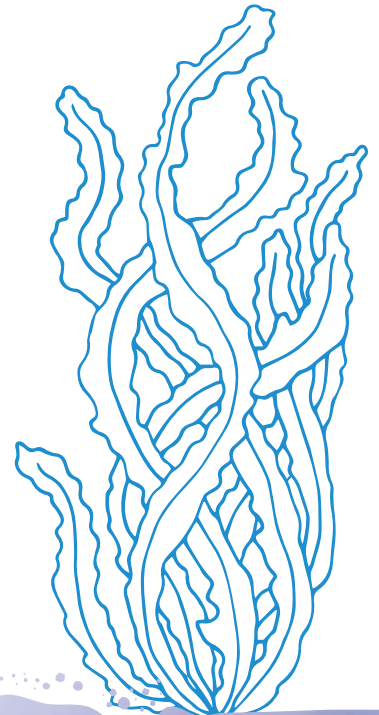
Creature needs
TASK 3 RESOURCE

FOOD AND WATER	SHELTER	SOMEWHERE TO REST
COMPANY OF OTHERS	LOTS OF SPACE	SOMEWHERE THAT IS THE RIGHT TEMPERATURE
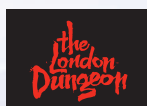
FOOD AND WATER	SHELTER	SOMEWHERE TO REST
COMPANY OF OTHERS	LOTS OF SPACE	SOMEWHERE THAT IS THE RIGHT TEMPERATURE

FOOD AND WATER	SHELTER	SOMEWHERE TO REST
COMPANY OF OTHERS	LOTS OF SPACE	SOMEWHERE THAT IS THE RIGHT TEMPERATURE

FOOD AND WATER	SHELTER	SOMEWHERE TO REST
COMPANY OF OTHERS	LOTS OF SPACE	SOMEWHERE THAT IS THE RIGHT TEMPERATURE

Creature needs
TASK 4

In pairs, let's focus on the *shark* – because you'll be meeting plenty of these creatures (Zippy and Bungle, Carol, Dean, El Diablo, Ashley and Belle, and Betty the bowmouth guitarfish) on your trip to SEA LIFE London…

Sharks live in the ocean. Why is the ocean a good home for a shark?

Use the things you learned about these creatures and their needs so far to help you guess the answers to the questions below:

⭐ How does it find food?

⭐ How does it find shelter?

⭐ Where does it rest?

⭐ Who are its friends?

⭐ Does it have enough space?

⭐ Is it warm/cold enough to be comfortable?

Amazing

....

....

....

....

....

Present your ideas back to the class.
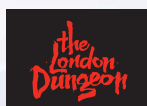
Creature needs
TASK 5

What questions from Task 4 did you find difficult to answer?

What questions would you still like answers to?

Fill in the 'My SEA LIFE Questions' sheet and bring it with you on your visit – you might be able to find the answers to your questions on the informative signs as you walk around the aquarium!

Make it your mission to become a SEA LIFE detective and answer as many of the questions that you have written down as possible on your visit.
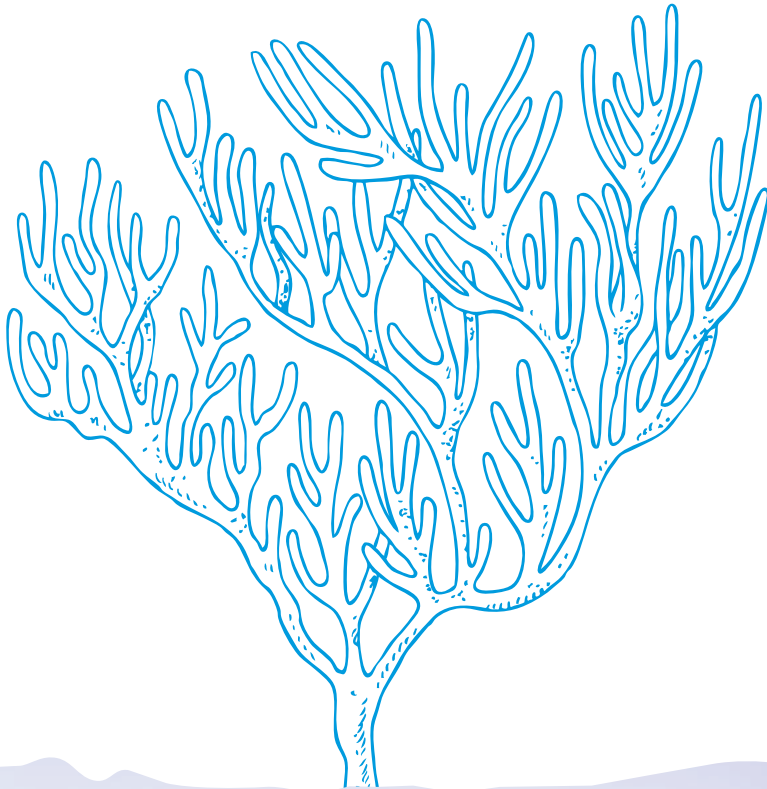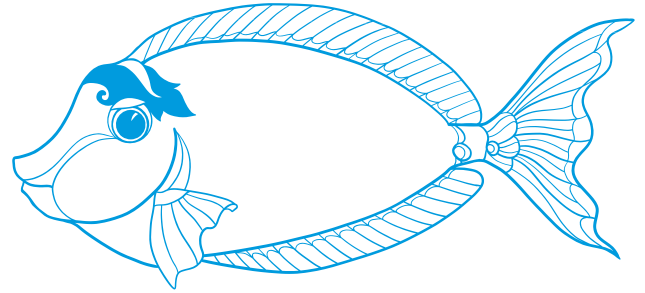
Creature needs

TASK 5 RESOURCE: MY SEA LIFE QUESTIONS

SEA LIFE London

My question	Answer
1.	
2.	
3.	
4.	
5.	

My question	Answer
1.	
2.	
3.	
4.	
5.	

WALK BENEATH THE WAVES
TEACHER INFORMATION

SEA☆LiFE
London

You are now ready to visit:

SEA LIFE London

IF YOU HAVEN'T BOOKED YOUR VISIT ALREADY, DISCOVER OUR EDUCATIONAL VISIT BENEFITS:

Educational Workshops	**Primary school rates from £6 per pupil**
Two free pre-visit teacher tickets*	**Free supporting risk assessment**
FREE **1 teacher free for every 5 pupils**	**Free supporting lesson activities and ideas**

START PLANNING YOUR SCHOOL TRIP TODAY...

www.visitsealife.com/london/schools

INCLUDE A WORKSHOP IN YOUR VISIT. FOR EXAMPLE:

KS2 Habitats: Rainforest Adventure
Pupils will:
★ Understand what a rainforest is and where the most famous ones are, to understand that these are quite volatile places to live and that the animals living in them have adapted to be there.
★ To understand that there are different layers of the rainforest which are perfect as micro-habitats to different animals.
★ To know what an invertebrate is and be able to identify invertebrates by looking at live animals.
★ To know that there is a human impact which is affecting the rainforest and that this is called deforestation.

KS2 Climate Change: Polar Explorer
Pupils will:
★ Understand the polar climate and what creatures live in this habitat
★ Investigate ice: how did it get there? where you can you find it? why is it melting?
★ Explore food webs and how humans interfere with them, e.g. oil spills
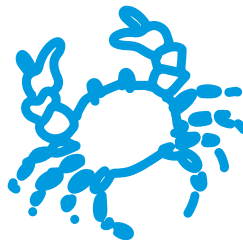★ Appreciate how they can make a difference to climate change in the polar regions
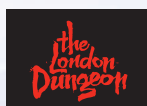
POST-VISIT LESSON 1
A trip around the world

Recap questions:

★ What did you enjoy most about your visit to SEA LIFE London?

★ What did you learn about sea creatures and habitats on your visit?
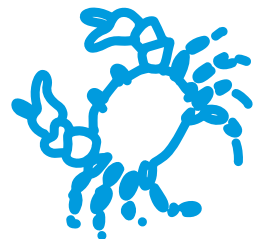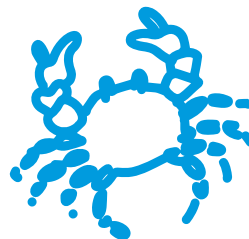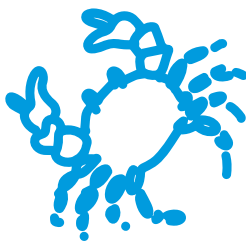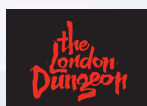
A trip around the world
TASK 1

Thinking about everything that you experienced on your trip to SEA LIFE, write down or draw your favourite <u>creature</u> or <u>habitat</u> that you visited in the Aquarium Tank provided:

A trip around the world
TASK 2: REFLECTION

On your trip to SEA LIFE London, you learned about lots of different creatures and their homes or 'habitats' – and you even visited some of them! Which habitats did you learn about or visit? Discuss with a partner.

To recap what you learned on your visit to SEA LIFE London, we're going to take a trip to some different habitats around the world.

In groups, use the Habitat Postcards to refresh your memory about different habitats. Consider things like:

Will it be hot or cold?

Will there be somewhere to sleep?

Will there be somewhere to hide?

Record your ideas on the 'Natural World Explorers Sheet'. Use the Word Bank to help you describe each habitat.

SEA LIFE London

Rainforest

SEA LIFE London

Ocean

SEA LIFE London

Town or city

SEA LIFE
London

Polar

SEA LiFE London

Desert

SEA LIFE London

Woodland
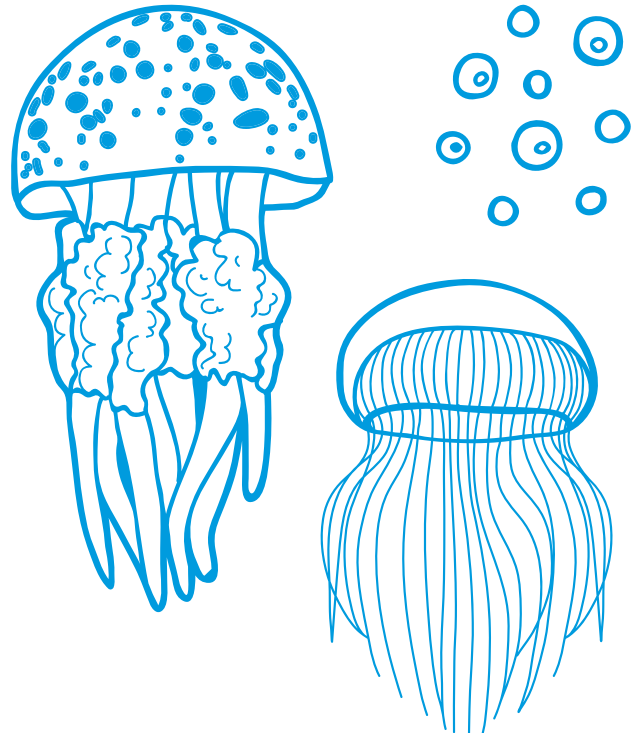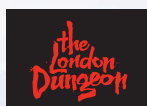
A trip around the world
TASK 2 RESOURCE:
NATURAL WORLD EXPLORERS SHEET

SEA LiFE London

| HABITAT	WHAT IT'S LIKE IN THIS HABITAT
Rainforest	
Ocean	
Town or city	
Polar	
Desert	

WORDBANK: Hot, Cold, Freezing, Busy, Noisy, Dry, Rainy, Wet, Damp, Sandy, Built-Up, Open, Covered, Sheltered, Windy, Stormy, Sunny, Dark, Light.

HABITAT	WHAT IT'S LIKE IN THIS HABITAT
Rainforest	
Ocean	
Town or city	
Polar	
Desert	

WORDBANK: Hot, Cold, Freezing, Busy, Noisy, Dry, Rainy, Wet, Damp, Sandy, Built-Up, Open, Covered, Sheltered, Windy, Stormy, Sunny, Dark, Light.
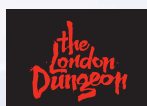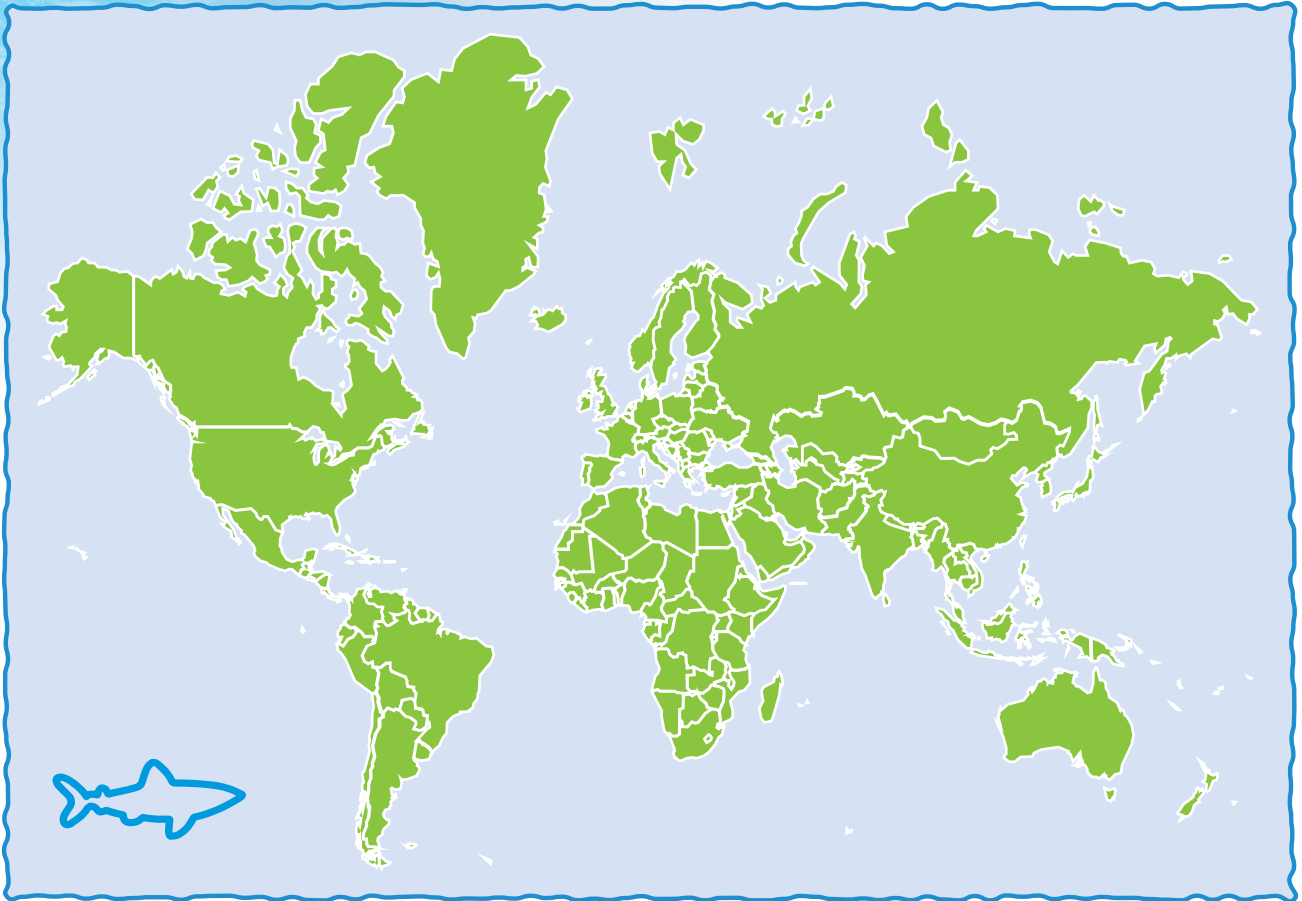
Can you locate some of these habitats on the Map of the World provided?

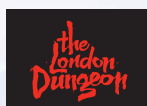**Which habitat is closest to where you live? Why do you think this is?**

....

....

....

....

A trip around the world
TASK 4 RESOURCE: HABITAT MATCHING GRID

SEA LiFE London
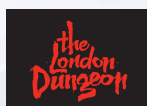
Now look at the animals listed on the Habitat Matching Grid.

Using all of the knowledge that you have gathered in these lessons and your SEA LIFE London visit, match each animal (and its features) to one of the habitats from Task 2.

An adaptation is a feature an animal has which allows it to live in a specific place. Explain why you think each animal's adaptations make it easier for that animal to survive in its habitat.

Did you meet any of these creatures on your trip to SEA LIFE London?

ANIMAL	FEATURE	HABITAT	HOW FEATURES HELP ANIMAL TO SURVIVE
	Thick skin and lots of fat (called blubber) under their skin		
	Bright, green body		
	Long, sharp claws		
	Able to bury deep into sand		
	Can climb up buildings and into homes		
	Fins and streamlined body		

A trip around the world

TASK 5 RESOURCE:
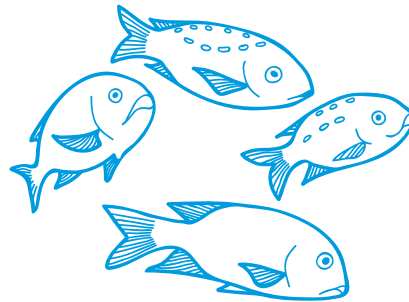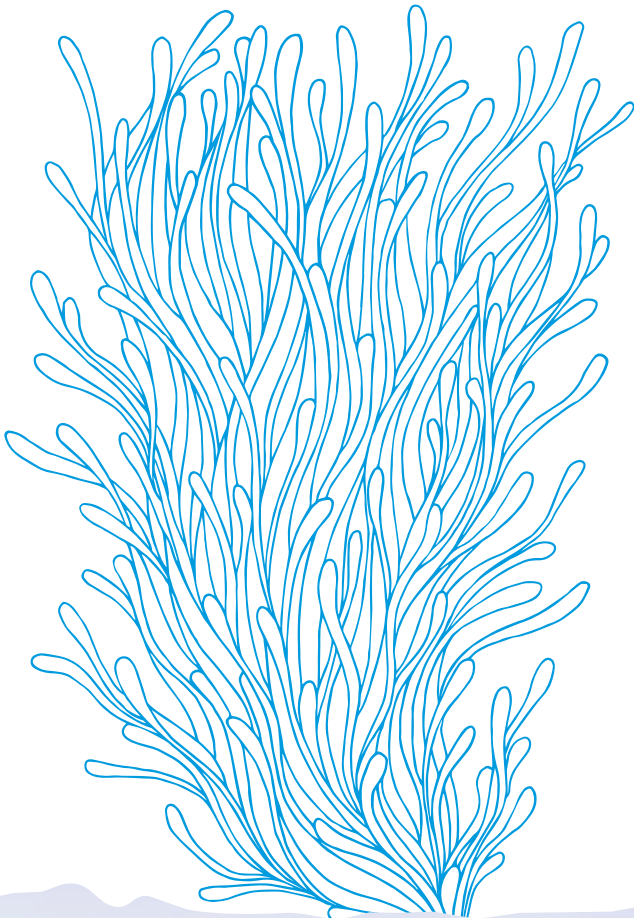## NATURAL WORLD EXPLORER BADGE

Finally, discuss with a partner: how has your visit to SEA LIFE London inspired you to visit more places in the natural world?

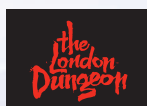Which habitat would you most like to explore when you grow up?

Use the Natural World Explorer Badge to write down your ideas of which creature you'd like to learn more about and which habitat you'd most like to visit. It might be somewhere far from home, or somewhere very close; it's entirely up to you!

Don't forget to wear your Natural World Explorer Badge and to share it with your friends and family – we hope that one day all of your explorer dreams come true!

A trip around the world

TASK 5 RESOURCE:
NATURAL WORLD EXPLORER BADGE

SEA LIFE London

WOW
I'm a natural world explorer!

Name:

Creature I'll be exploring next:

Habitat I'll be exploring next:

WOW
I'm a natural world explorer!

Name:

Creature I'll be exploring next:

Habitat I'll be exploring next:

WOW
I'm a natural world explorer!

Name:

Creature I'll be exploring next:

Habitat I'll be exploring next:

WOW
I'm a natural world explorer!

Name:

Creature I'll be exploring next:

Habitat I'll be exploring next:

Madame Tussauds LONDON   The London Eye   The London Dungeon   SHREK'S ADVENTURE! LONDON   SEA LIFE London   MERLIN SCHOOLS LONDON

Continue the magic of learning!

Discover these additional inspirational free lesson plans from Merlin Schools London.

The London Skyline

A journey through the human and physical geography of London

Ages 7-13

Develop a greater understanding of London's geographical position and identify the impact of tourism…

★ Pre-visit Lesson 1: Landmark Detective Files

★ Pre-visit Lesson 2: Create Your Own Attraction

★ Post-visit lesson 3: Changing Skylines

DOWNLOAD AT:
londoneye.com/schools

Media & Fake News

An exploration of the media, fake news and celebrity culture

Ages 7-13

Stretch your pupils' English subject knowledge by delving deeper into the complex world of the media and develop their critical literacy skills…

★ Pre-visit Lesson 1: Celebrity Culture and Bias

★ Pre-visit Lesson 2: Lies and the Truth

★ Post-visit lesson 3: Using Media Responsibly

DOWNLOAD AT:
madametussauds.com/education

Building Stories

Step into story construction

Ages 5-9

Discover the tools behind creating a story, exploring how to plot events and to empathise with characters through drama and role-play

★ Pre-visit Lesson 1: Introducing Fairy Tales

★ Pre-visit Lesson 2: Characters in Fairy Tales

★ Post-visit lesson 3: Magical Settings

DOWNLOAD AT:
shreksadventure.com/schools