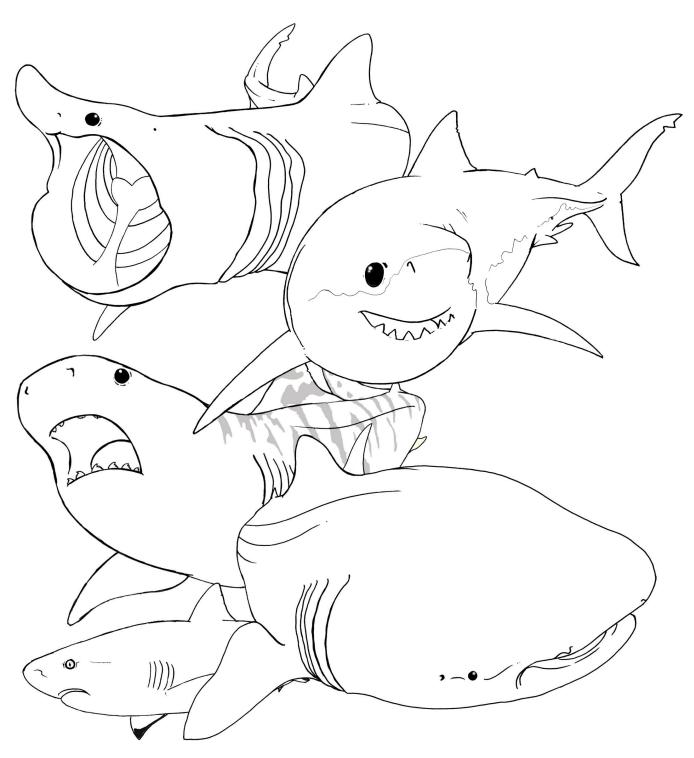
SHARKS

ACTIVITY PACK

23 pages of activities, crafts and learning





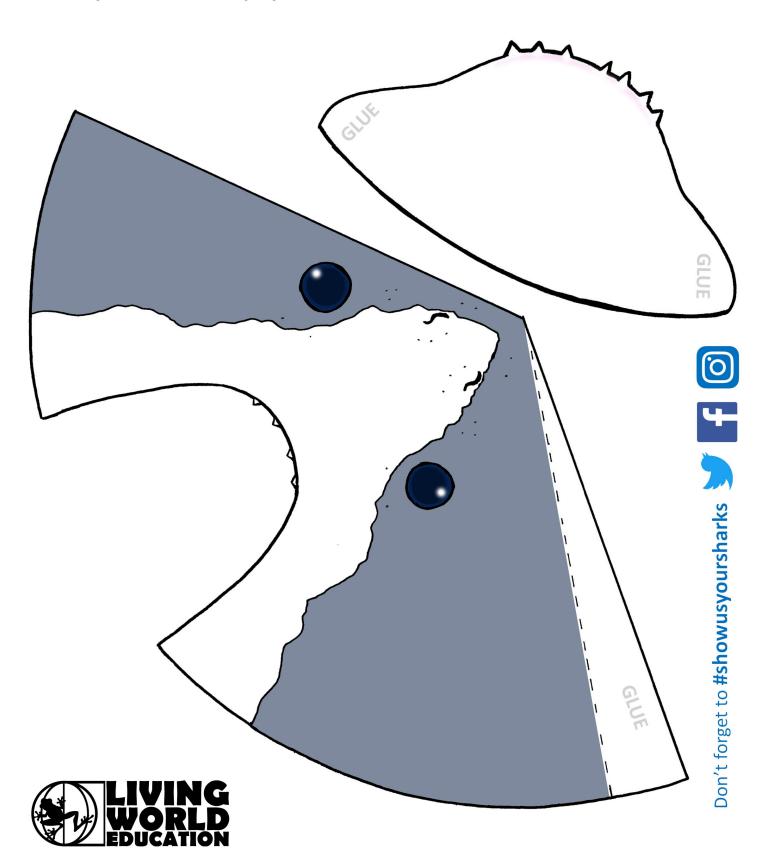
GREAT WHITE HEAD

Cut out the parts carfully.

Make a cone shape and glue the tab.

Attach the jaw with by adding glue where indicated.

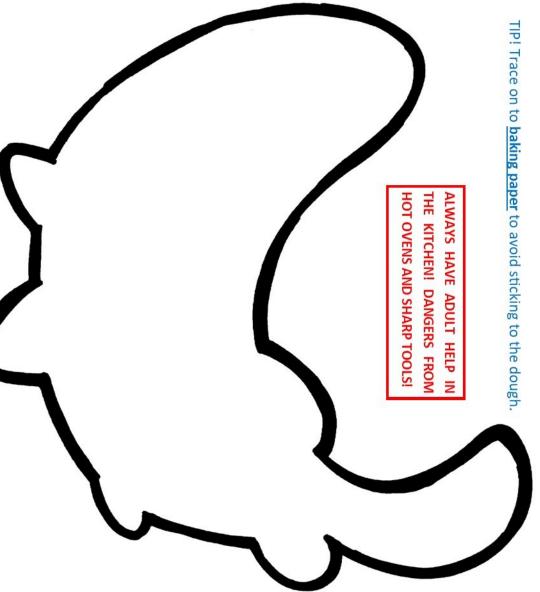
Put your shark on display!



COOKIECUTTER COOKIES

Use the template to create lots of tasty

cookiecutter shark cookies!



125g butter
300g plain flour
1 tsp bicarb of soda
100g dark sugar
3.5 tbsp syrup
2.5 tsp ground ginger
1tsp ground cinnamon



- Mix the butter (melted), syrup and sugar.
- Add the rest of the ingredients to make a dough.
- In between 2 sheets of baking paper, roll out the dough to the thickness of a pencil (about 5mm)
- Cut out shapes and place on a tray to bake 180° C/350F for around 12 minutes.
- Decorate to add details like eyes and teeth.

www.livingworldeducation.com for more!

#showusyoursharks



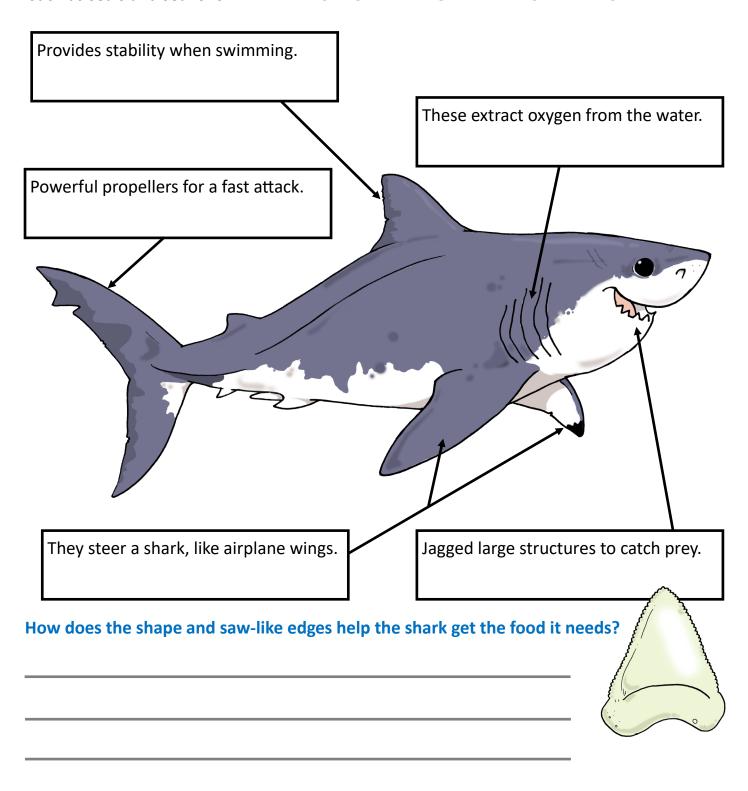


ADAPTATIONS: BODY SHAPE

DORSAL FIN

CAUDAL (TAIL) FINS

The great white is an incredibly well adapted hunter, with a powerful, streamlined body. Build for bursts of explosive speed and ambush attacks, adults feed on marine mammals such as seals and sealions. ADD LABELS FROM THE WORD BANK TO THE DIAGRAM



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TEETH

GILLS

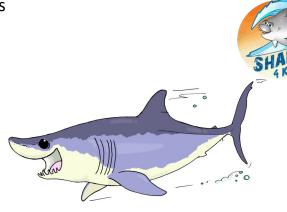
PECTORAL FINS

BODY AND TAIL SHAPE

By creating your own models, using the templates provided, it is easy to see the great differences between benthic and pelagic shark species...

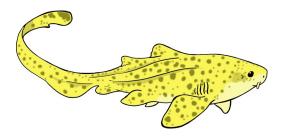






The body shape is **streamlined** to reduce water resistance (drag). This torpedo form ensures water passes around the sharks body and allows it to reach great speeds.

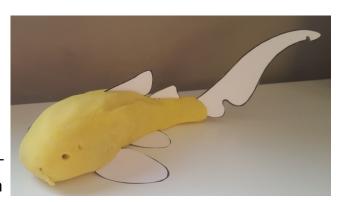
The power behind the speed is due to a thick muscular tail and large, evenlyshaped (homocercal) caudal fins.



The body shape is **flattened** so the shark is better hidden on the seabed. These sharks can also have patterns or colouration that further disguises them.

The tails have a large, upper caudal fin (an uneven heterocercal tail) which means they swim in a sinuous, snake-like fashion.

ZEBRA SHARK Stegostoma fasciatum



Don't forget to #showusyoursharks







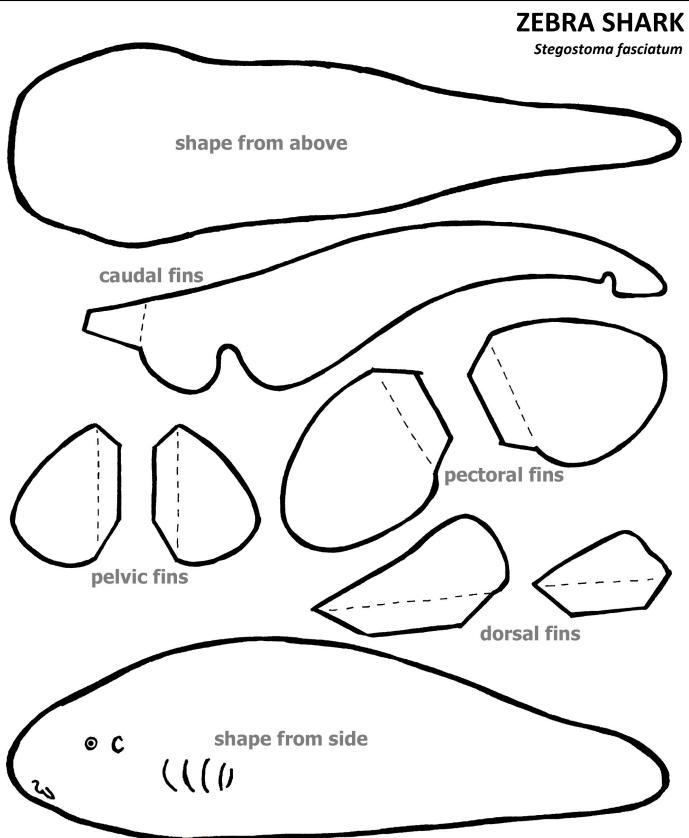
Pelagic sharks = are found between the surface and lower parts of the water e.g. mako **Benthic sharks** = these spend most of their lives on or near the sea bed e.g. zebra shark Print the instructions on to card (or use your page as a template)

The shapes from above/side will help you create the sharks body with modelling clay.

Add eyes and nostrils with a pencil. A small spoon can form the mouth.

Cut all the fins out and place them so that they match the example in the picture on the comparison sheet.



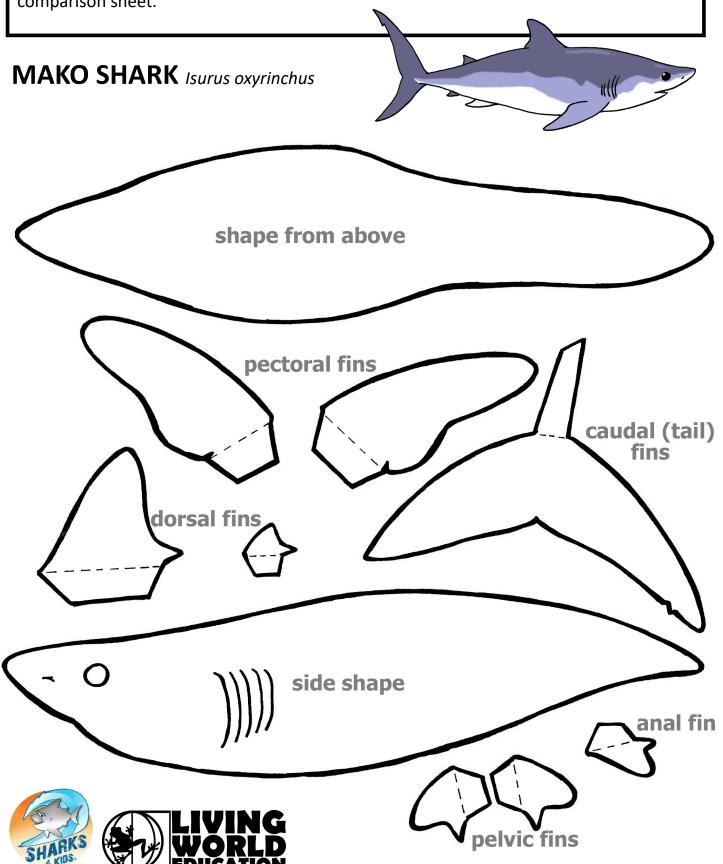


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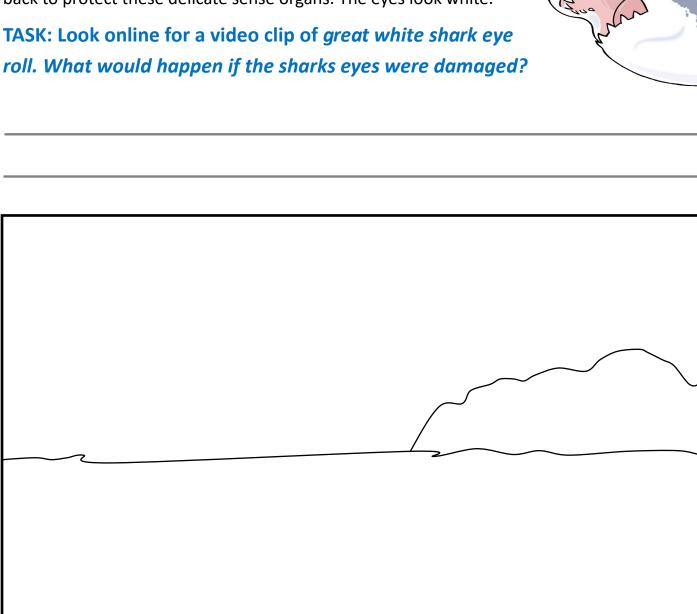


ADAPTATIONS: EXCELLENT EYESIGHT

A great white must lock-on to a target in order to accurately strike at its prey. This means that vision is a vital sense for this animal...

EYE ROLLING

At the very last moment of an attack, great whites roll their eyes back to protect these delicate sense organs. The eyes look white.



\$PY-HOPPING A very sneaky tactic of great whites is to look for signs of prey above the surface.

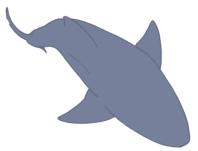
TASK: Colour the scene and add some sealions to the rocks.

NEED HELP? Search for pictures of sealions online or in books.

ADAPTATIONS: THE AMBUSH ATTACK

With prey that are fast moving and agile, great whites need to strike quickly and ensure they are not spotted. Often, the shark bursts beyond the surface in a type of attack called a **BREACH**.

Unless they are successful on the first attack, it is unlikely they will go on to complete the hunt, so the great white has evolved a clever colouration to assist them. It is called **COUNTERSHADING**.



Seen from above, the topside of the shark **blends into the dark depths below.** This means they nearly invisible to prey swimming above.

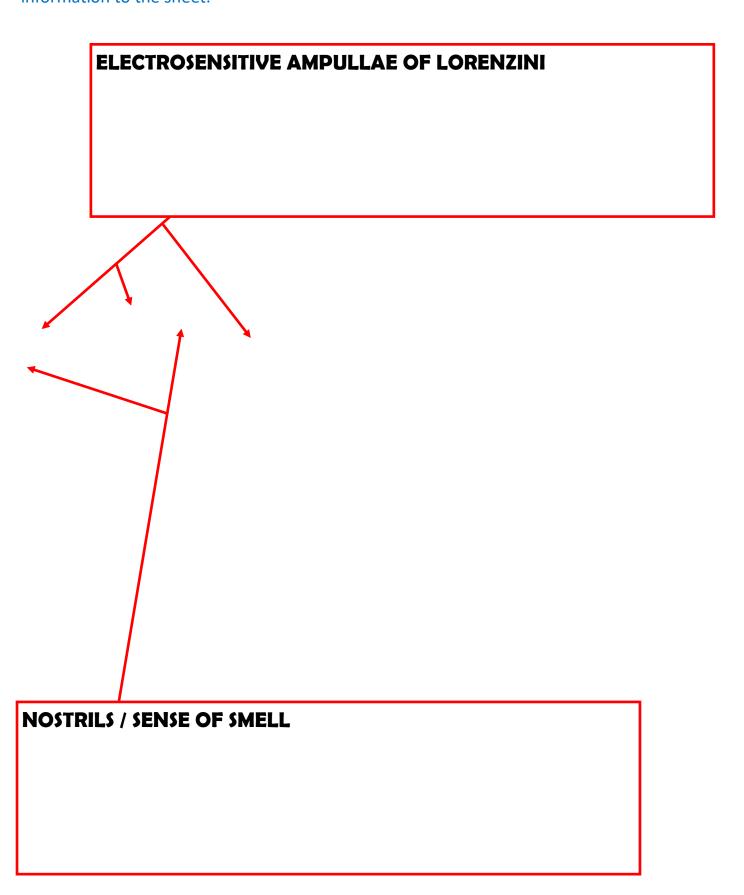
Equally, the white underside merges the shape of the shark against the bright surface waters.

Explain why a sea lion may not see a shark beneath it?

What is a "breach"?	
Sea lions are agile. What does agile mean?	

ADAPTATIONS: SUPER SENSES

TASK: Use ICT skills to find out facts for some of these important shark senses. Add your information to the sheet.



FACT FINDING: RESEARCH SKILLS

TASK: Use books or a safe internet search for answers to the following questions...

How big can great white sharks grow?
What other names are their for great white sharks?
Do any animals hunt great whites?
How many young to white sharks have?
Where on Earth are great whites found?
How many teeth do white sharks have?
Are great white sharks endangered?

EXTENSION TASK:

Search for a range of images and facts to create an illustrated presentation that you could show somebody else

PREHISTORIC PREDATOR: MEGALODON

teeth looked similar in shape to a great white, experts think they may have been very different animals. The enormous megalodon is now extinct, but we can prove it existed because of the large fossil teeth it has left behind. Whilst its

scene with the megalodon! TASK: Search for pictures of other prehistoric marine creatures and use your creative skills to draw them in an amazing underwater

MEGALODON TOOTH MODEL

SALT DOUGH = 1 TOOTH

to form your own fossil megalodon tooth.

Use the recipe to create salt dough and the templates



2. ADD DETAILS



4. PAINT

3. DRY OUT



Carcharodon megalodon

half a cup of water

half a cup of salt

1 cup of plain flour



mouth full of fossil teeth! make a whole massive Join up with friends to

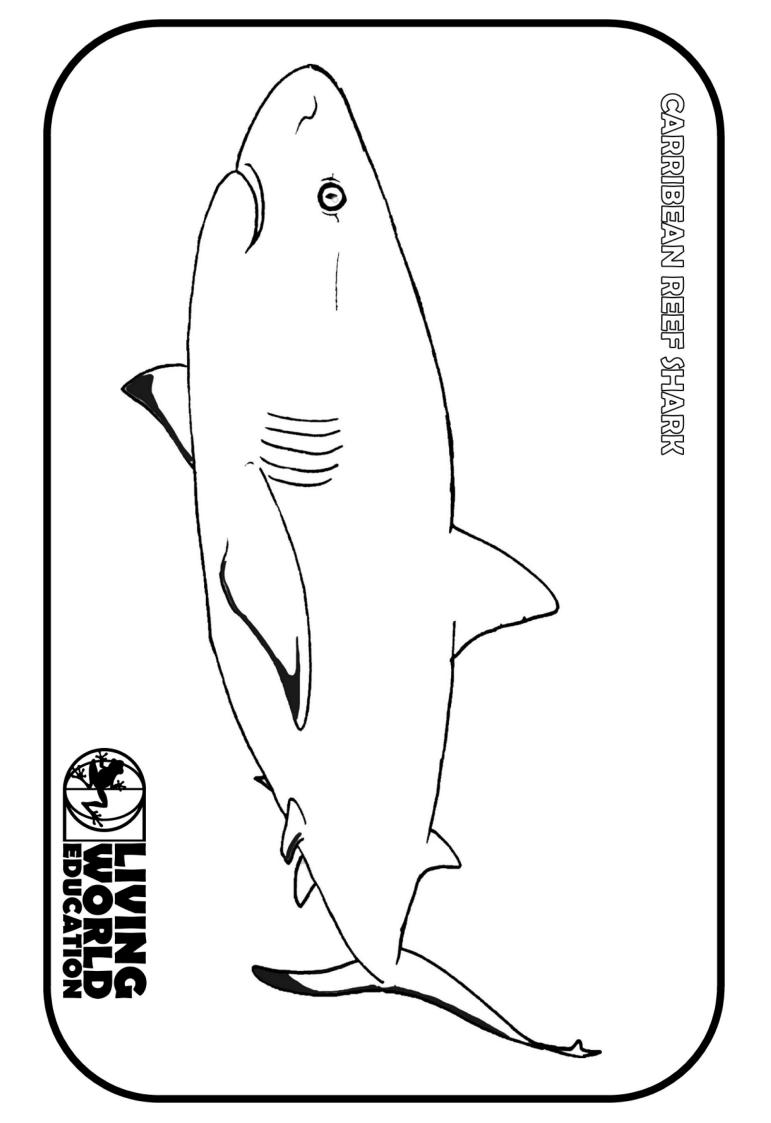


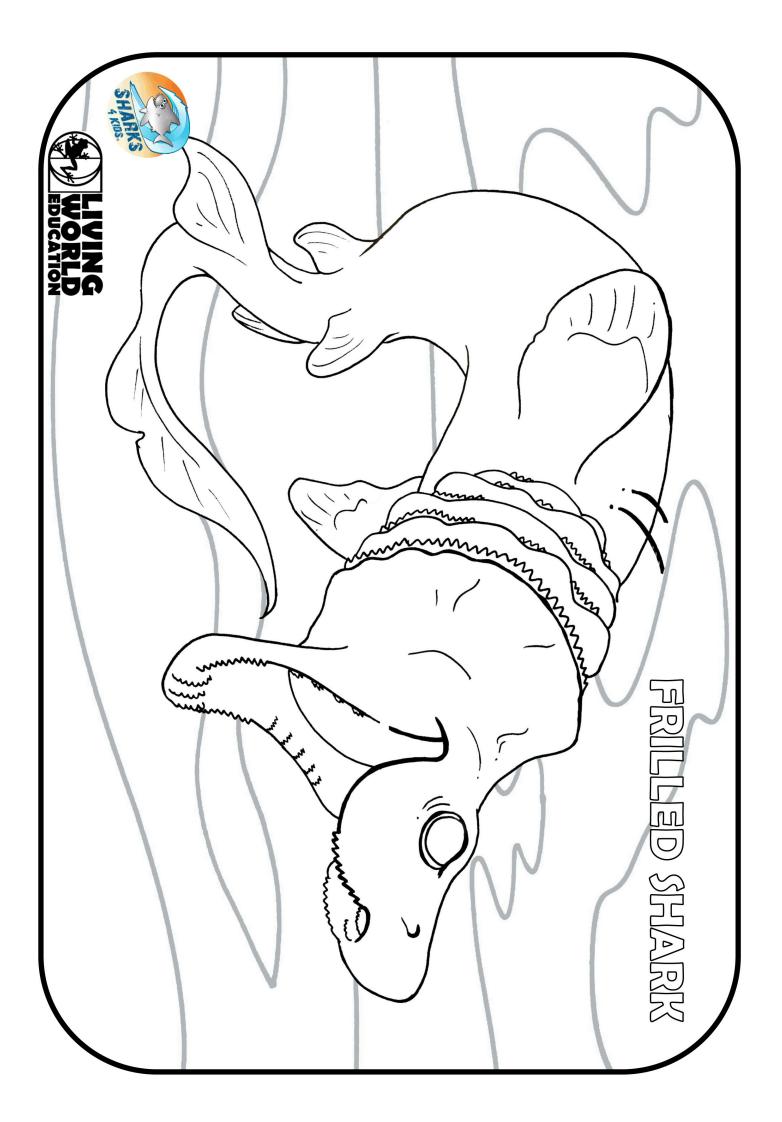


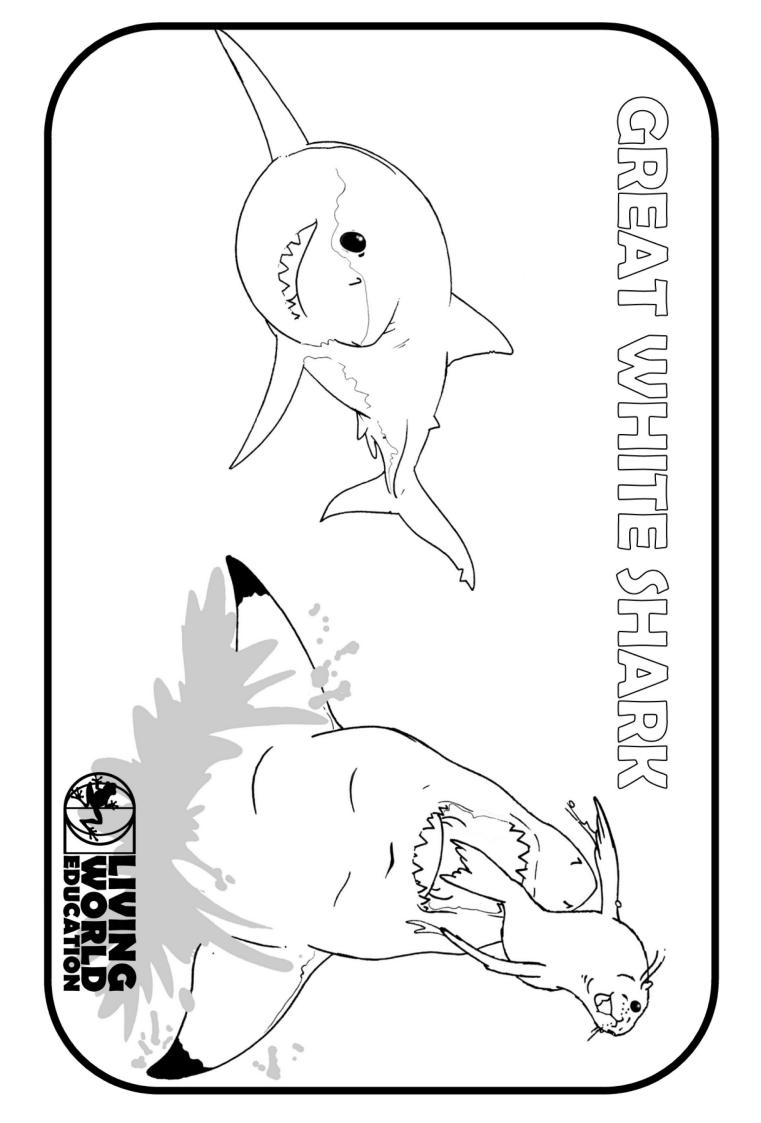


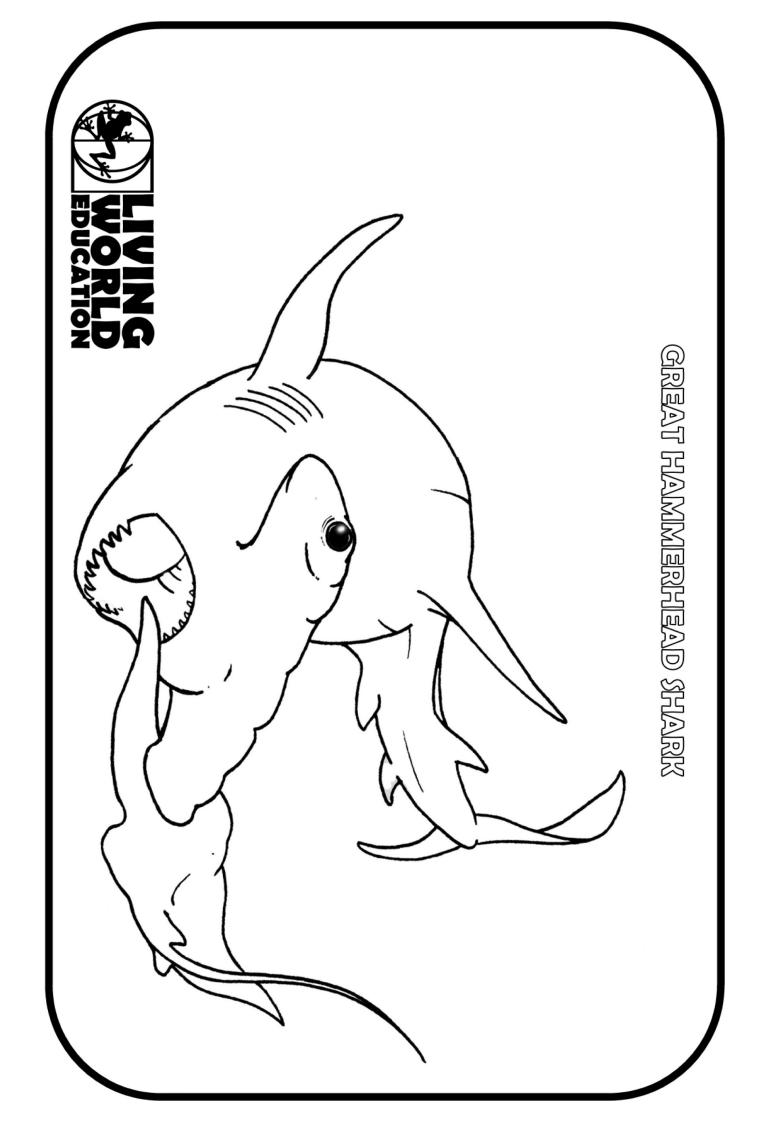


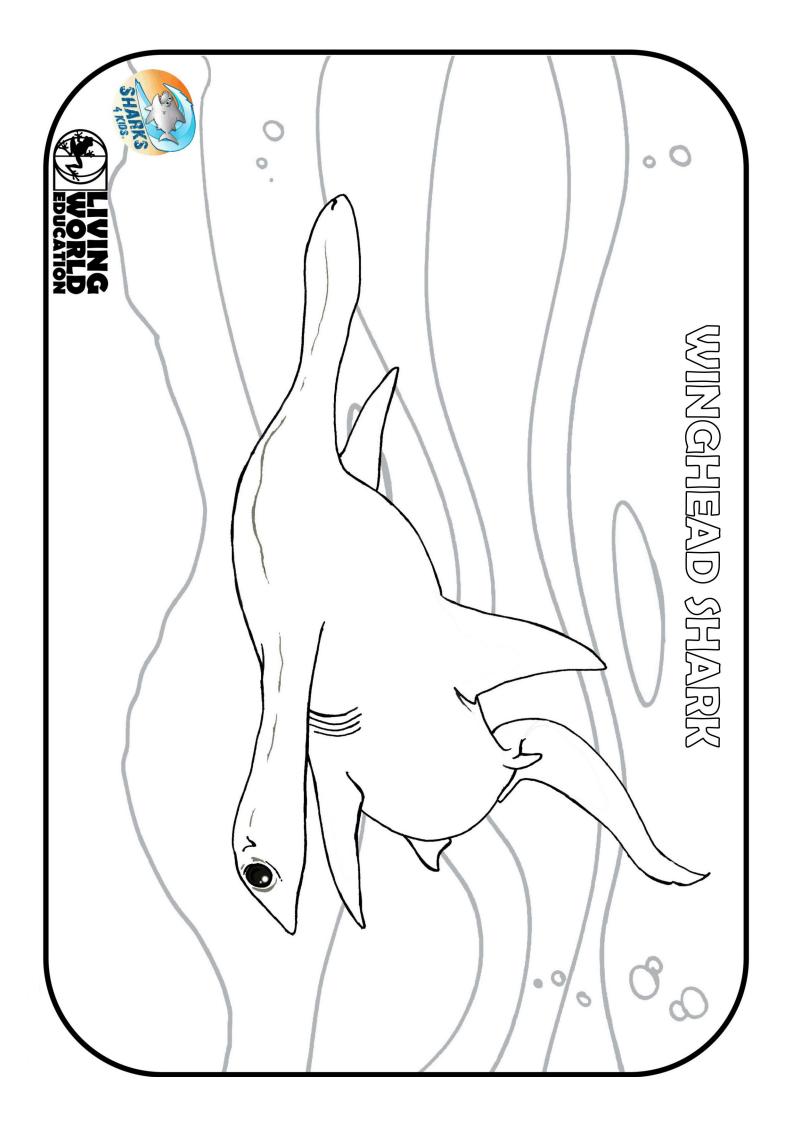


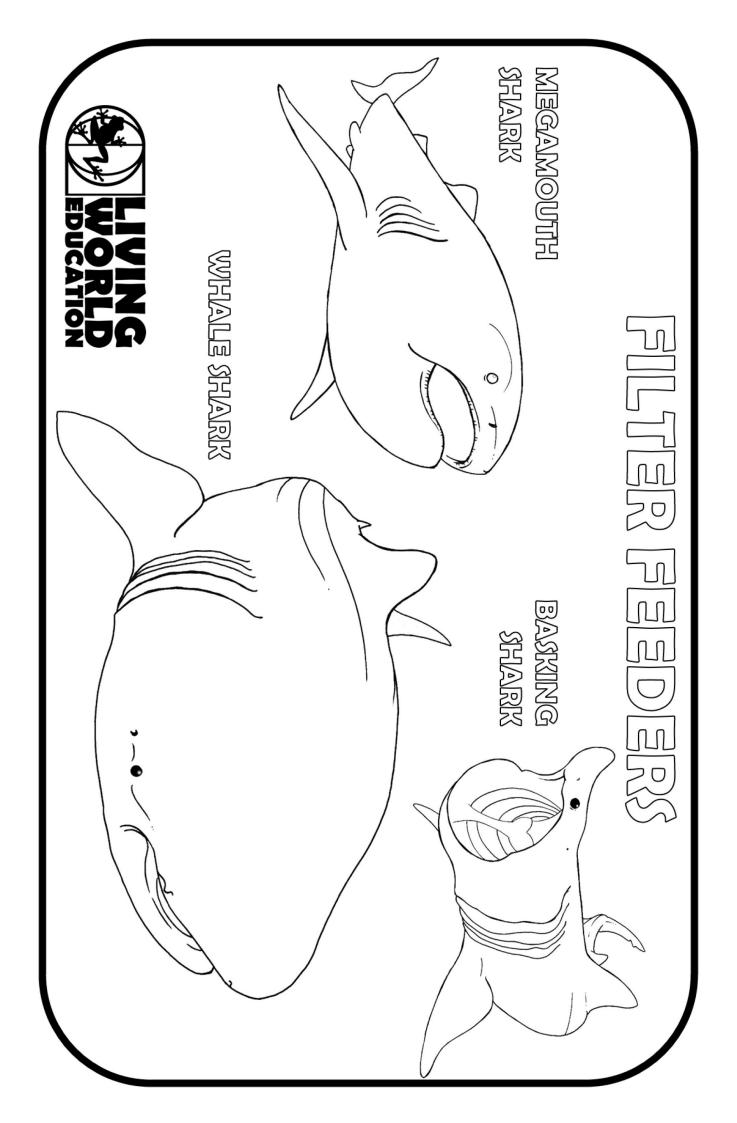














SHARK SEARCH

FIND THE 20 TYPES OF SHARK HIDDEN IN THE PUZZLE...

S G S В S Е Α Ε Ν Ν Α W Ν В Н Н Q S G R F Τ Ε G F P Α W Η F Α W Α W Ε Χ C Ρ Α Н G 0 C В L Α O K Α M K L M Q E Y Τ L В Τ W 1 W U Τ F W E D Α \bigcirc G В F E S Υ K Η 0 L 0 Q Η Ε Y D M O G L E Τ C E E В Е 7 K E 7 G Α G J Α Α Α R Z K Ρ S R Τ Τ В Α В U Н U Н Α U W M L F В W Ν E Ε U Ε Ε Τ G Ε O M L Α Н O Α M Τ Τ 0 X X L J U U 0 Υ Ν L Μ G В M O Α ١ P F Τ 0 R Ν O Ν Α Υ 0 Ρ Α Α D C S E Е F P U L В U I Ν Н Н O Υ M Α OV M S Ε U F Н В W E P ı В ı Α G D Α D O Α F F F Ν Τ Ν F R Α R Е Α L Α W D Н Υ ١ S 7 R U G Ε В 0 Ν J Τ X I В G Τ P O Α Μ S S S R X Ρ X K Ρ K Е X ١ ١ Α ١ G ١ ١ Υ S U E Ρ W U C В E 0 В K Ν Τ Α G Α L Ε F S Е S Ν Α В J Χ L G Н M Α L Α V 0 U Ε Ε U K Ε D Τ F R Ε Ν M \bigcirc J Α Α Α В Ν M K 0 G Ρ Α Α Τ 0 W Κ D Υ Μ S Τ Ν \bigcirc C Ε Α N C W Η I Τ F T P M

ANGEL GREY REEF NURSE

BASKING GREAT WHITE OCEANIC WHITETIP

BLUE HAMMERHEAD SWELL

BULL LEMON TIGER

DWARF LANTERN MAKO WHALE

FRILLED MEGAMOUTH WOBBEGONG

