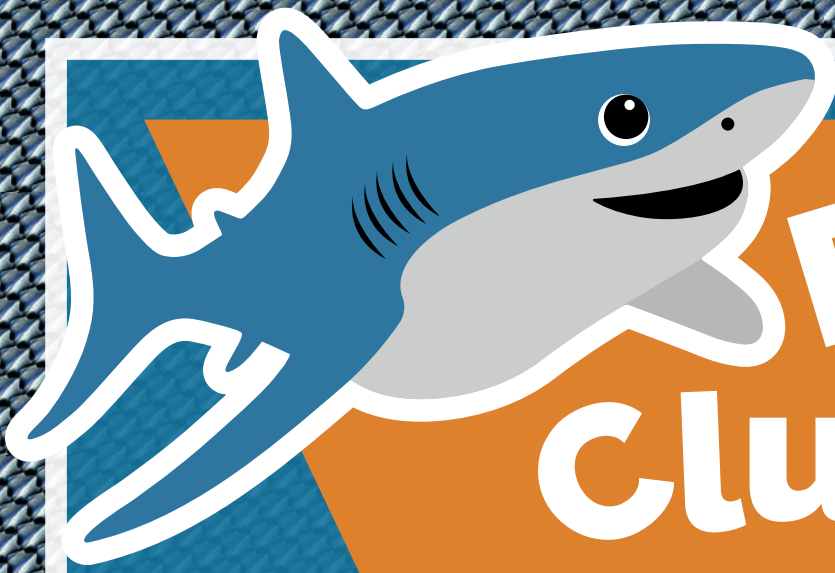




Pup's Club!

BELIEVE IT OR NOT...

WOW your friends with shark facts that'll blow their minds



THE BLOWFISH
WHY SHARKS MATTER



© DAVID BUCKLE, TERRY GOSS



YOU'RE AMAZING

All YOUR news and achievements!!

BOOK REVIEW...

EVERYTHING SHARKS

PUZZLES & GAMES





Everything Sharks

NATIONAL GEOGRAPHIC
BY KATHRYN KIRK, AGE 8

I like *Everything Sharks* because it tells you the true meaning of sharks and their lifetime. The part I like most is where it compares sharks with humans, because it shows how amazing sharks really are. It is easy to read and has colourful photos. There are fun activities to do, like making a shark potato stamp, and lots of cool facts and figures. I recommend it to shark fans everywhere, like me. *Everything Sharks* is my favourite book. Fins out!



DESIGN AN UNDULATE RAY

Undulate Rays are named for their beautiful pattern of undulating lines and spots. But the ray below is missing its pattern! Can you help him by coming up with a colourful design? We'd love to see your creations, so why not send us a photo for our online gallery at focus@sharktrust.org?



10 SHARK FACTS

BELIEVE IT OR NOT?



1 Sharks replace their **TEETH** approximately every 2 weeks. Some species can lose 30,000 teeth in their lifetime!

Scientists can tell the **AGE** of a shark by counting the **rings on their backbone!**

2

3 Sharks don't have **BONES**. Instead their skeleton is made of flexible cartilage - just like our ears.

4 Sharks have a 6th sense - they're able to sense pressure changes. As they move, their body creates waves that bounce off obstacles creating a 3D pressure map of their surroundings.

5 Sharks can see **10X** better than we can in the dark. This is due to a reflective layer of shiny cells at the back of their eyes, which gives their eyes a greenish glow.

6 Sharks can go into a **TRANCE** - when some species are gently turned upside down on their back they go into a trance-like state called tonic immobility. This is often used by scientists when handling sharks to subdue them and prevent injury.

Most fish are cold-blooded, so their body temperature is the same as that of the surrounding water. But some sharks - such as the White Shark, Porbeagle, Salmon Shark, Shortfin Mako and Longfin Mako - can warm their blood. This key adaptation makes them much more efficient hunters.



8 When threatened, swellsharks inflate their stomachs, making it difficult for predators to remove them from crevices.

9

Greenland **SHARKS** are able to live in the icy waters of the Arctic all year round. They're the slowest shark on record - swimming less than 1mph. And the oldest, living over 400 years!

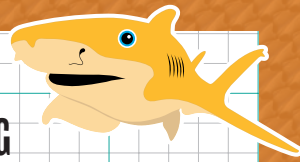


10

Each **WHALE SHARK** can be recognised by their unique pattern of spots. Just like a human fingerprint! This helps scientists recognise and keep track of individual Whale Sharks.

YOUR LETTERS

WE LOVE TO HEAR FROM YOU!
WRITE TO US AT FOCUS@SHARKTRUST.ORG
AND YOU MAY APPEAR IN OUR NEXT ISSUE...



AWESOME ART

Check out this amazing shark drawing by Nathaniel from Indiana in the United States. He loves sharks and the ocean.

NATHANIEL (AGE 4)

Thank you so much for sharing your work Nathaniel!

LIAM LEGGED IT

Liam wanted to make a positive change for sharks. So he decided to walk 5km along Cromford Canal in Derbyshire to raise money for us. In just a few weeks Liam raised an incredible £274.

LIAM (AGE 9)

Thanks for all your support Liam!



"SHARKS ARE ESSENTIAL TO OUR MARINE ECOSYSTEM. THEY ARE VERY MUCH MISUNDERSTOOD CREATURES THAT SELDOM ATTACK PEOPLE DELIBERATELY"

PROJECT PREDATORS

James loves sharks and sent in this fantastic picture of his Year 3 school project on the subject of 'Predators'. He wants to one day become a Marine Biologist and work at the Bimini Shark Lab studying Bull Sharks. He found out that they have the most bacteria in their mouths and this causes serious infections when people are bitten. He wants to catch Bull Sharks, swab their mouths, tag and then study their behaviour.

JAMES (AGE 8)

Fantastic work James - your project is incredible!

FANTASTIC!



"SHARKS ARE VERY IMPORTANT AND WE MUST TAKE CARE OF THEM BECAUSE TOO MANY ARE BEING KILLED. I LIKE SHARKS BECAUSE THEY ARE INTERESTING AND FUN TO LEARN ABOUT"

EGG-CELLENT!

Isabella is passionate about conservation and extremely skilful at eggcase hunting. Every time she goes to the beach she looks for and records eggcases to the Great Eggcase Hunt. In January (after a high tide) she found an incredible 38 Thornback Ray eggcases! Isabella then did a write up and sent photos off to Blue Peter, earning herself a well-deserved silver Blue Peter badge. Last year she also earned a Green Environment BP Badge for doing a beach clean.

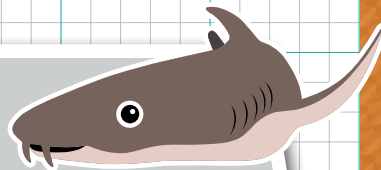
ISABELLA (AGE 8)

Well done Isabella - that's amazing! And what a fantastic collection of eggcases!!



WOW!

Shark-tastic!



BY BROOKE, AGE 8

Brooke (left) celebrated her 8th birthday in style with an underwater theme. She also generously donated her birthday money (£200) between the Shark Trust and Whale and Dolphin Conservation. Thanks so much Brooke - you're a superstar!

Brooke's mum said: 'Brooke just absolutely loves whales, dolphins and especially sharks which she finds totally fascinating. She watches any documentary she can find on tv, goes to the library for books and has also made a research folder at home so she can learn more.'

I had my first children's book published last year and I got in touch with the reporter who did a story on me to see if he could do an article for Brooke, which he did! I have attached a photo of this for you along with a photo of Brooke and her older sister Summer.'



STAR LETTER

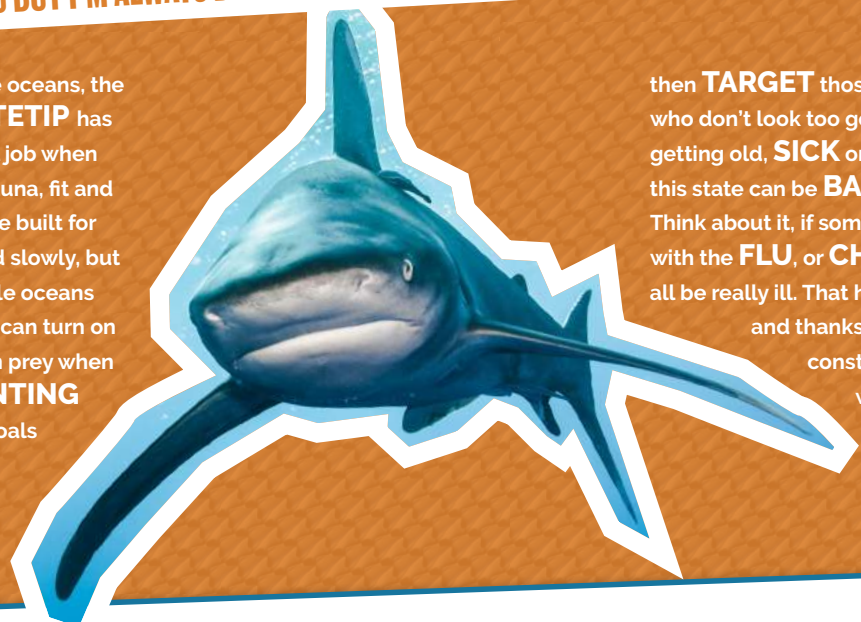
THE BLOWFISH SAYS

SHARKS MATTER...



I DON'T KNOW ABOUT YOU BUT I'M ALWAYS BEING ASKED WHY WE SHOULD SAVE SHARKS. ASK THE OCEANIC WHITETIP!

A lone wanderer of the oceans, the **OCEANIC WHITETIP** has an incredibly special job when it comes to keeping fish, like tuna, fit and healthy. Oceanic Whitetips are built for chilling... taking their time and slowly, but surely, swimming across whole oceans as they hunt. Now, while they can turn on the **SPEED** and chase down prey when needed, their preferred **HUNTING** technique is to follow vast shoals of fish, like tuna, and wait for a perfect chance to strike. The Oceanic Whitetip will



then **TARGET** those fish in the shoal who don't look too good! Maybe they're getting old, **SICK** or even injured. Fish in this state can be **BAD** for the whole shoal! Think about it, if someone came to school with the **FLU**, or **CHICKEN POX**, you'd all be really ill. That happens with fish too, and thanks to the **SHARK** constantly tackling the weaker fish, it means the rest of the shoal can stay **HEALTHY** and **HAPPY**.

WORDSEARCH

Sadly sharks are among the most endangered groups of animals on our planet. Can you find all 20 threats hidden in the wordsearch?

- | | |
|---------------------|----------------|
| BYCATCH | LITTER |
| CARTILAGE | LIVER OIL |
| CHEMICALS | NETS |
| CRUDE OIL | OVERFISHING |
| ENTANGLE | PLASTIC |
| FINNING | POISON |
| FISHERIES | POLLUTION |
| HABITAT DESTRUCTION | SEWAGE |
| HARASSMENT | SHARK FIN SOUP |
| HUMANS | SOUVENIRS |

H N K R B N R K L Z N I M C P C C W S C
L A E E N K E T R C O P Q A Z P D D H H
L N R T K O T X W O I O M R G A L E B D
Y F P A S G T T R T T L I T O I M D D P
N Z S E S S I M Z D C G P I L I O U U L
G O R J Q S L E B A U O A L C B U O I H
D F I Y Z S M O V S R O G A H B S O P C
F J N T Q E M E F B T K L G Z N E B E A
T K E U U S G I N I S S B E I D C Y X H
S X V F S L N I J T E K L F U S X C X U
H I U F O N L L A U D S K R G T M A N N
E V O S I H A O E C T R C H U D Z T N P
L D S N C Z J M P P A L O N C L N C C C
E Y G J Y Z X V U H T B I O W O C H V S
G S O V E R F I S H I N G V S Z J B B R
C I T S A L P D J P B Y C I E S H E X W
F G D S E W A G E Y A U O M X R O R C N
J J X V W X A F M W H P G O P K O I T H
V N W B J Q O U X E Q Y M N U I L I V R
S E I R E H S I F N E N T A N G L E L I