

## TEACHER OVERVIEW

### 1 SHARK FACTS: ASK THE EXPERTS

#### WHY DO SHARKS NEED OUR HELP?

- Teacher notes
- Interviews with shark and marine conservation experts, with glossary of key terms
- Activity pages: research task

### 2 SHARK FACTS: BUILD THE KNOWLEDGE BANK

#### CAN YOU BECOME A SHARK EXPERT?

- Teacher notes
- Meet the shark family
- Activity pages: build up knowledge of sharks

### 3 SHARK FICTION: FEEDING THE FEAR

#### WHY DO PEOPLE FEAR SHARKS?

- Teacher notes
- Activity pages: exploring how sharks are portrayed in culture and the media
  - The impact of *Jaws*
  - Character or caricature?
  - Headline hysteria
  - Let's set the record straight

### 4 TAKE ACTION FOR SHARKS

#### CAN WE HELP SAVE SHARKS FROM EXTINCTION?

- Teacher notes
- Interview with shark conservation campaigner
- Bite-Back fact file
- Activity pages: take part in a Bite-Back campaign to persuade people to think differently about sharks



**Right now, around 73 million sharks are killed every year, that's roughly two every second, and scientists predict key shark species could soon be wiped out forever.**

Sharks are routinely portrayed in films, newspapers and children's books as mindless killing-machines – the archetypal bad guy. But sharks need our help, and this often-repeated, yet unfounded, depiction stands in the way of shark conservation efforts.

**We need sharks.**

Healthy oceans produce 60% of the oxygen we breathe and absorb 20% of all man-made CO<sub>2</sub>. For 450 million years sharks have helped shape and maintain the delicate balance of the ocean ecosystem. Sharks are the 'big cats' of the ocean; they sit at the top of the marine food web, helping to keep populations balanced and recycling nutrients.

Trying to protect a keystone species that is relentlessly described as 'menacing, man-eating, monster, killer and beast' is challenging.

**It's time to shout out for sharks.**

We hope this education pack will provide lots of fascinating information that will help children to learn, rethink and perhaps even take a stand.

Thank you

**Graham Buckingham**  
Bite-Back Shark & Marine Conservation  
Patron – Steve Backshall

**SHOUT OUT FOR SHARKS EDUCATION PACK**

**Editor**  
Nic Smallshaw

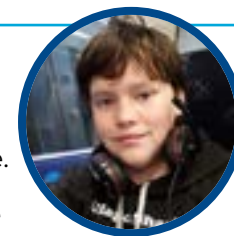
**Contributing writers**  
Keilly Swift, Diana Barker, Milly Rusling and Nic Smallshaw

## Purpose of education resource pack

- to deepen pupils' knowledge and understanding of sharks
- to develop a wider understanding of the need for shark conservation to protect the ocean's ecosystems
- to provide the opportunity for pupils to engage with a national shark and marine conservation campaign to make changes
- to enable teachers to integrate shark conservation projects into the curriculum

## CURRICULUM LINKS

This is a cross-curricular project suitable for upper KS2 and KS3 pupils. The series of lessons supports learning in English, science, geography and citizenship. Pupils investigate key questions and build up knowledge to understand these issues and respond to them. Pupils then apply the skills they've accumulated in a shark and marine conservation project as part of a Bite-Back national campaign.



This education pack has been funded by a grant received by young shark activist, Finlay Pringle.

Finlay was awarded a grant by the United Nations for being selected to be part of the Youth Activist Summit. This was funded by the Sisley Foundation that supports and funds the annual Youth Activist Summit.

Finlay decided to give his grant money to Bite-Back to fund this School Education Pack and enable more young people across the UK to get involved with marine and shark conservation projects.



## SHOUT OUT FOR SHARKS EDUCATION PACK

SECTION	KEY QUESTIONS	LEARNING OUTCOMES
<p><b>PART 1 SHARK FACTS: ASK THE EXPERTS</b></p> <p>Four interviews with shark and marine experts are provided for this research:</p> <ol style="list-style-type: none"> <li>1. <b>Steve Backshall</b>, wildlife presenter and naturalist</li> <li>2. <b>Helen Czerski</b>, oceanographer</li> <li>3. <b>Megan McCubbin</b>, zoologist, shark researcher and wildlife presenter</li> <li>4. <b>Graham Buckingham</b>, Bite-Back founder</li> </ol>	<ul style="list-style-type: none"> <li>● <b>Why do sharks need our help?</b></li> <li>● What are the main reasons sharks are under threat?</li> <li>● What role do sharks play as keystone species in the marine ecosystem?</li> </ul>	<ul style="list-style-type: none"> <li>● To build up knowledge and understanding of shark populations around the world</li> <li>● To find out about the different threats sharks face</li> <li>● To learn about the role sharks, as keystone species, have in the marine ecosystem</li> <li>● To find out about shark conservation</li> </ul>



SECTION	KEY QUESTIONS	LEARNING OUTCOMES
<p><b>PART 2 SHARK FACTS: BUILD THE KNOWLEDGE BANK</b></p> <p><b>Meet the Family</b> information pages are provided for this investigation.</p> <p>Pupils are tasked with building their shark expertise and then creating a shark quiz to inspire and educate others.</p>	<ul style="list-style-type: none"> <li>● <b>Can you become a shark expert?</b></li> <li>● Can you learn more about shark biology?</li> <li>● Can you develop your knowledge of individual shark species?</li> </ul>	<ul style="list-style-type: none"> <li>● To develop knowledge of the shark family and its biology</li> <li>● To develop knowledge of individual shark species and understand the diversity within the shark family</li> </ul>
<p><b>PART 3 SHARK FICTION: FEEDING THE FEAR</b></p> <p>Four short activities explore how humans portray sharks in culture and the media.</p>	<ul style="list-style-type: none"> <li>● <b>Why do people fear sharks?</b></li> <li>● What was the impact of the film <i>Jaws</i>?</li> <li>● Why does the media misrepresent sharks?</li> <li>● How do humans portray sharks in culture?</li> </ul>	<ul style="list-style-type: none"> <li>● To understand that sharks are misunderstood because they have been stereotyped in human culture</li> <li>● To find out facts and information, to be able to challenge the stereotype of sharks and to ‘myth-bust’</li> </ul>
<p><b>PART 4 TAKE ACTION FOR SHARKS</b></p> <p>An interview with young shark conservation activist, Finlay Pringle, and a fact-file on Bite-Back are provided in preparation for this project.</p> <p>Pupils are then challenged to be part of Bite-Back’s new Shout Out For Sharks campaign, to persuade people to think differently about sharks and to raise awareness of the need for shark conservation.</p>	<ul style="list-style-type: none"> <li>● <b>Can we help save sharks from extinction?</b></li> <li>● How are shark activists and charities taking action to save sharks?</li> <li>● How will saving sharks play a much greater role in protecting life in the ocean’s ecosystems?</li> <li>● Can you campaign to make people think differently about sharks?</li> </ul>	<ul style="list-style-type: none"> <li>● Understand how individuals, charities and pressure groups take action to make changes</li> <li>● Understand how taking part in conservation campaigns can lead to positive changes</li> <li>● Experience taking part in campaigning for a global conservation project</li> </ul>

## TEDx Talk *The Terrifying Truth About Sharks*

Watch Bite-Back founder Graham Buckingham explain *The Terrifying Truth About Sharks* in his TEDx talk [tinyurl.com/bitebacktedx](https://tinyurl.com/bitebacktedx)

