



EXPLORERS FIN-TASTIC SHARKS +

TEACHER'S PLANNING GUIDE

DELIVERING A FIN-TASTIC SHARKS+ PROJECT WITH YOUR CLASS

Introduction to the Explorers Resources

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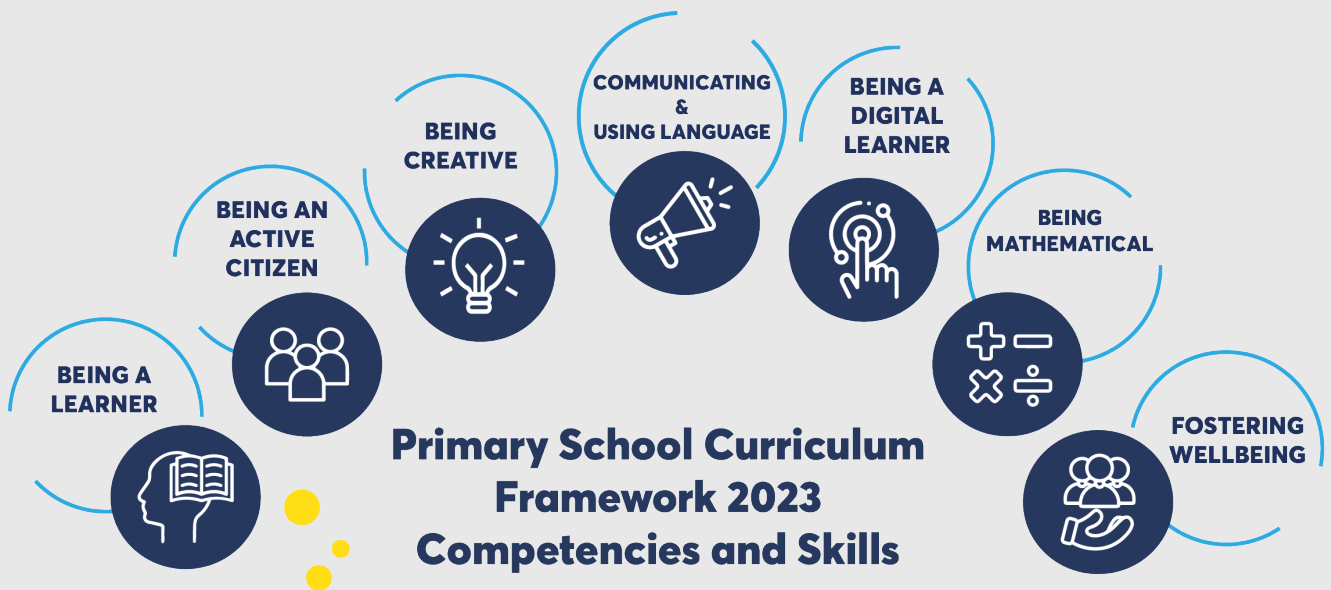
DELIVERING AN EXPLORERS FIN-TASTIC SHARKS+ PROJECT WITH YOUR CLASS

Wow! There are so many shark topics - where do you begin?

The Explorers Fin-Tastic Sharks+ Teachers Planning Guide and Resources provides teachers with a quick reference guide and links to educational resources that can be used for teaching children about sharks, skates and rays in Ireland and around the world.

The resources focus on providing ideas for citizen science projects as well as lots of STEM and creative lessons and activities to develop their competencies and skills in the classroom, on the seashore, as well as connecting with your local community.

Lessons and activities have been developed to incorporate cross curricular teaching that supports the Irish national curriculum, STEM development and the SDG's. The materials also provide children an opportunity to develop their ocean literacy and key competencies – supporting the Irish primary school curriculum framework 2023.



The Explorers resources are freely available to download at www.Explorers.ie

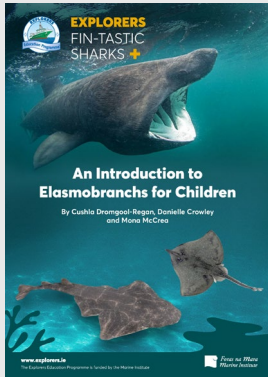
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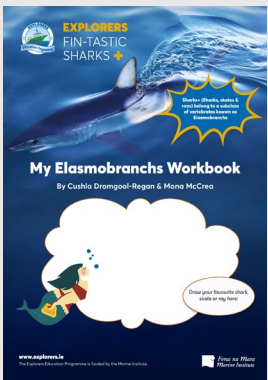
EXPLORERS FIN-TASTIC SHARKS +

TEACHING RESOURCES

INFORMATION BOOK

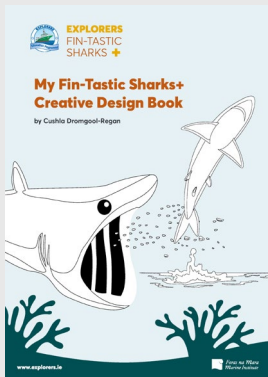


The *Explorers Fin-Tastic Sharks+ An Introduction to Elasmobranchs for Children* book introduces teachers and children to sharks, skates and rays in Irish waters and worldwide. The book looks at sharks' anatomy, superpowers and adaptations, mermaid's purses and pups, and lots more. The book also highlights the threats facing these species and scientists and communities helping & protecting sharks, skates and rays.

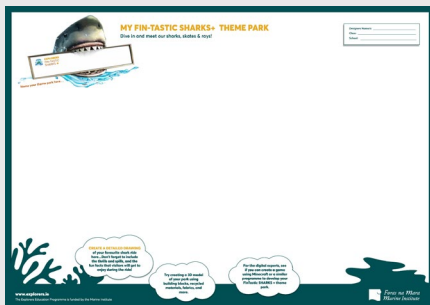


WORKBOOK & ACTIVITY SHEETS

The *Explorers Fin-Tastic Sharks+ My Elasmobranchs Workbook* provides 14 cross-curricular lesson activities and worksheets where children can learn about sharks, skates and rays in Irish waters and around the world. The workbook is an excellent resource for thematic projects and completing activities in the classroom that support the Irish primary school curriculum framework - developing children's competencies and skills (2023).



The *Explorers My Fin-Tastic Sharks Creative Design Book* includes 19 shark illustrations that can be used as templates for creative art projects using fabrics and fibre, colouring pages, or fact cards. Each page is dedicated to a different shark and includes its common name, scientific name, size, weight, age, and the depth it can be found in the ocean. Each page also provides a fact box where the children can record their favourite facts about the shark species.



The *Explorers My Fin-Tastic Sharks+ Theme Park Planning and Design Worksheet* is an excellent STEM resource that prompts children use their imagination designing a park that promotes marine biodiversity and SDG's environmental care. The planning of a shark park requires a range of skillsets. This is a great activity to have teams plan, design, and create miniature and or digital parks.

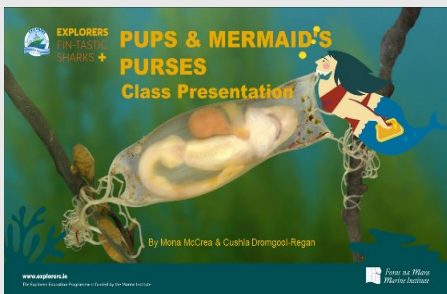


EXPLORERS FIN-TASTIC SHARKS +

PRESENTATIONS



The *Explorers Fin-Tastic Sharks+ Class Presentation* helps to inspire shark stories with the class and can be used to focus on different topics, such as sharks around the world; sharks, skates & rays in Ireland; sharks from the past; to shark superpowers. The presentation also promotes citizen science activities such as caring and the conservation of sharks species, plus lots more.

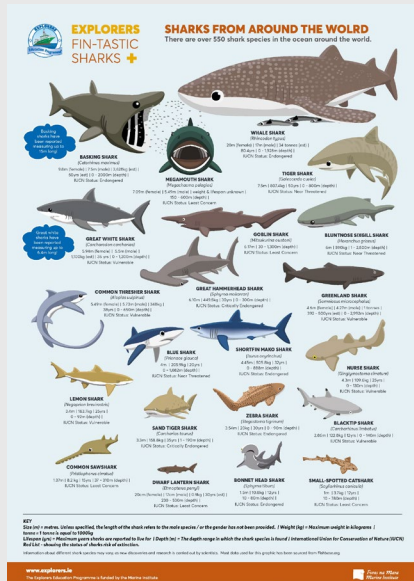


The *Explorers Fin-Tastic Sharks+ Pups & Mermaid's Purse Class Presentation* provides an introduction to the different ways sharks, skates and rays reproduce. Children get to learn new shark words, as well as identifying sharks and skate egg cases. Children also learn how to find shark and skate cases on the shore, identify and practice becoming citizen scientists by downloading the data they have collected.

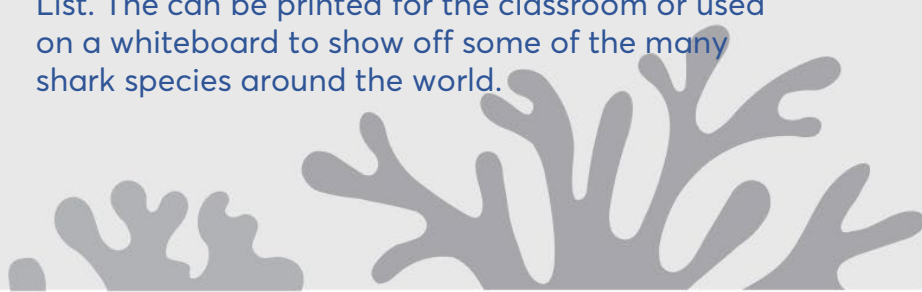


IDENTIFICATION KEY & POSTER

The *Explorers Fin-Tastic Sharks+ Mermaid's Purse Identification Key* helps children identify shark and skate egg cases found on the shoreline. The key provides ten of the most popular egg cases of skates and sharks found on the seashore in Ireland. Images of the adult species and links to citizen science projects are also provided, encouraging children to register their shark case data. The key can be printed on an A3 sheet and trimmed to size (438mmx 310mm).



The *Explorers Fin-Tastic Sharks from Around the World Poster* includes 21 shark illustrations, including their common name, scientific name, size, weight, and depth they swim at, as well as the International Union for Conservation of Nature Red List. The can be printed for the classroom or used on a whiteboard to show off some of the many shark species around the world.





EXPLORERS FIN-TASTIC SHARKS +

THEMATIC TEACHING SUMMARY OF CONTENT

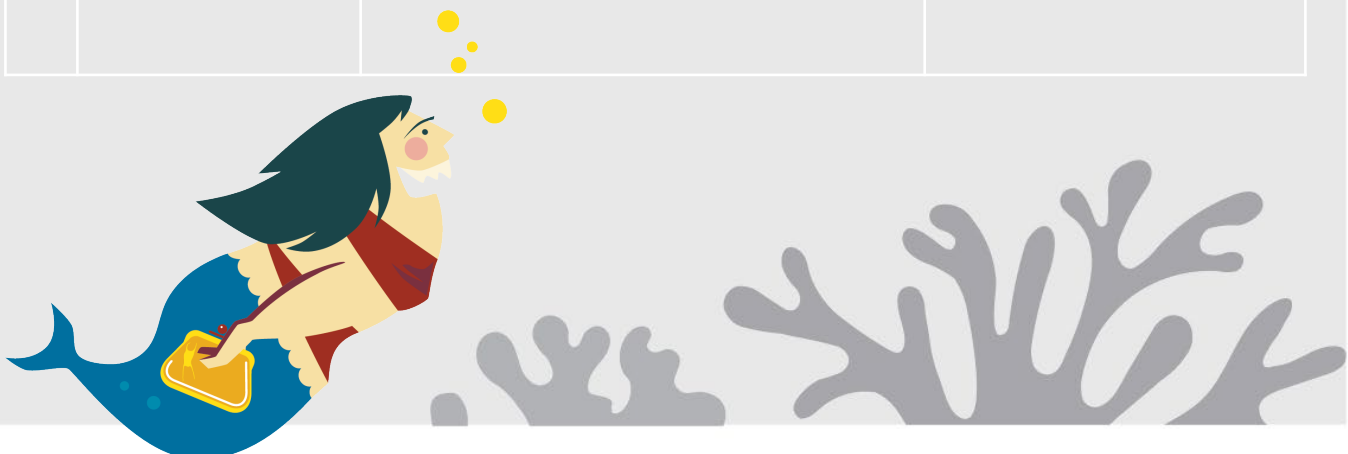
SUBJECT Cross-Curricular	LESSON / ACTIVITY	KEY SKILLS & COMPETENCIES
LANGUAGE – ENGLISH / IRISH	SHARKS+ AtoZ WORDS & MINDMAP Learning new words	Learning to be a Learner
SCIENCE GEOGRAPHY HISTORY MATHS	SHARKS FROM THE PAST Investigating sharks that are extinct. Create a shark, skate or ray fossil from clay.	Being Creative Communication & Language
MUSIC DRAMA	MY MEGALODON TOOTH Write a song about a Meg's lost tooth	Communication & Language Fostering Wellbeing
SCIENCE	WHAT ARE SHARKS, RAYS & SKATES? Learn to be a scientist	Learning to be a Learner Being a Digital Learner
SCIENCE MATHS VISUAL ART	MERMAID'S PURSES Learn to be a scientist	Being an Active Citizen Communication & Language Being Mathematical
LANGUAGE VISUAL ART MATHS	SHARK, SKATE & RAY BABIES ON THE WAY Design a mermaid's purse or a shark bag using a recycled t-shirt	Being Creative Being Mathematical Communication & Language Fostering Wellbeing Being Mathematical
SCIENCE VISUAL ART MATHS	SHARK JAWS & TEETH FRAME Being a scientist – learning about sharks teeth. Design a shark's jaw picture frame.	Being Creative Being Mathematical
MATHS	BIGGEST, SMALLEST, FASTEST & FLYING... SHARK NUMBERS Use your maths skills to create an infographic poster.	Being Creative Being Mathematical Communicating & Using Language Being a Digital Learner





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SUBJECT / Strand Cross-Curricular	LESSON / ACTIVITY	KEY SKILLS & COMPETENCIES
SCIENCE GEOGRAPHY HISTORY MATHS LANGUAGE	OUR FAVOURITE SUPER SHARKS AROUND THE WORLD Learning more about sharks & create fun facts.	Being a Digital Learner Communication & Using Language
LANGUAGE ART DRAMA MUSIC	SHARKS, SKATES & RAYS SUPERPOWERS & ADAPTATIONS Write a story about sharks, skates and rays wellbeing.	Communication & Using Language Fostering Wellbeing
SCIENCE STEM LANGUAGE	SHARKS GAME & BOX OF SURPRISES Design a 'Guess Who I am' Card Game and Design a Shark Game Box.	Communication & Using Language Being Creative Being mathematical
SCIENCE MATHS	A SHARK, SKATE & RAY PERCENTAGE PIE Use your maths and learn about the percentages of sharks, skates and rays at risk.	Being Mathematical
LANGUAGE VISUAL ART	PROTECTING SHARKS, SKATES & RAYS IN IRISH WATERS Be an active citizen and create a 'Protecting our Sharks, Skates & Rays Code of Conduct poster	Being an Active Citizen Communication & Using Language Being Creative Fostering Wellbeing
LANGUAGE VISUAL ART	SHARKS ARE GOOD FOR ME POST CARD... BUSTING SHARK MYTHS Generate a postcard campaign about sharks, skates and rays, engaging your community.	Being an Active Citizen Communication & Using Language Being Creative Fostering Wellbeing





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**IDEAS FOR A CLASS
SHARKS+ PROJECT**



Keep Exploring!



