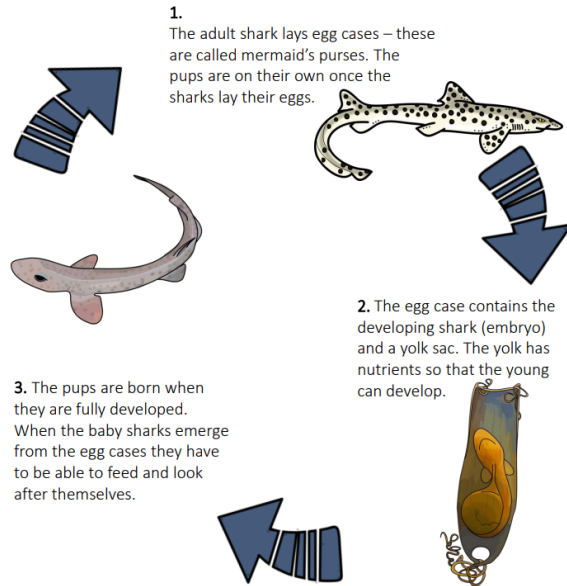


OVIPAROUS SHARKS



SHARK OVIPAROUS CATSHARK

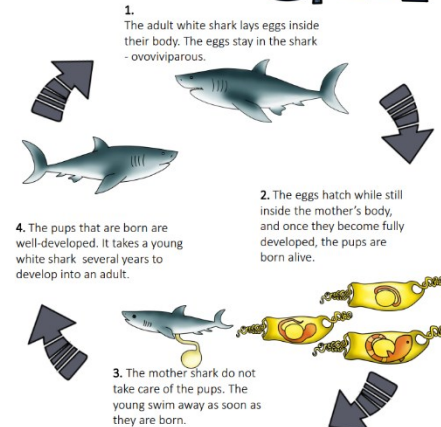
LIFE CYCLE



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SHARK OVOVIVIPAROUS GREAT WHITE SHARK

LIFE CYCLE

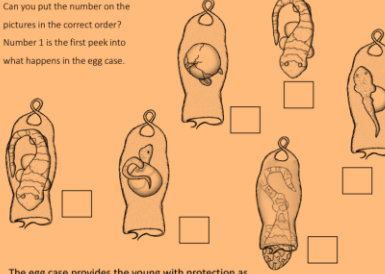


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Oviparous sharks, Biomimicry Design Challenges

**HOW DOES A BABY SHARK
GROW INSIDE THE EGG?**

Can you put the number on the pictures in the correct order?
Number 1 is the first peek into what happens in the egg case.



The egg case provides the young with protection as well as nourishment.

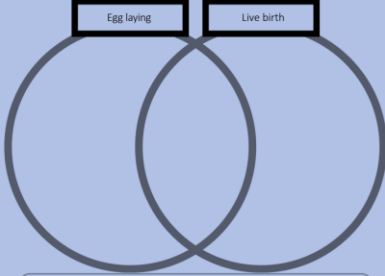
Where is the nourishment?

The pupa
like a m

EGG LAYING VS LIVE BIRTH

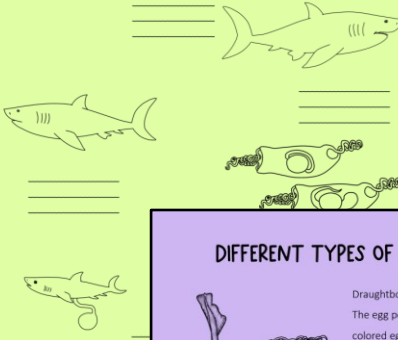


Look at differences and similarities between an egg laying shark and live birth.

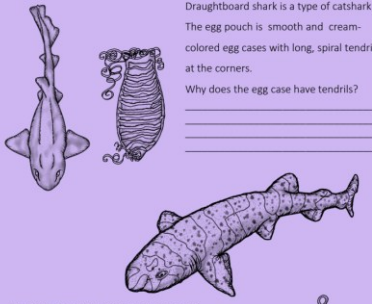
Egg laying	Live birth
	
Egg laying sharks are _____	

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**CAN YOU IDENTIFY THE DIFFERENT STAGES?
OVOVIVIPAROUS**



DIFFERENT TYPES OF EGG POUCHES



Draughtboard shark is a type of cat shark.
The egg pouch is smooth and cream-colored egg cases with long, spiral tendrils at the corners.
Why does the egg case have tendrils?

The Swell shark lays two green or amber

DESIGN CHALLENGE

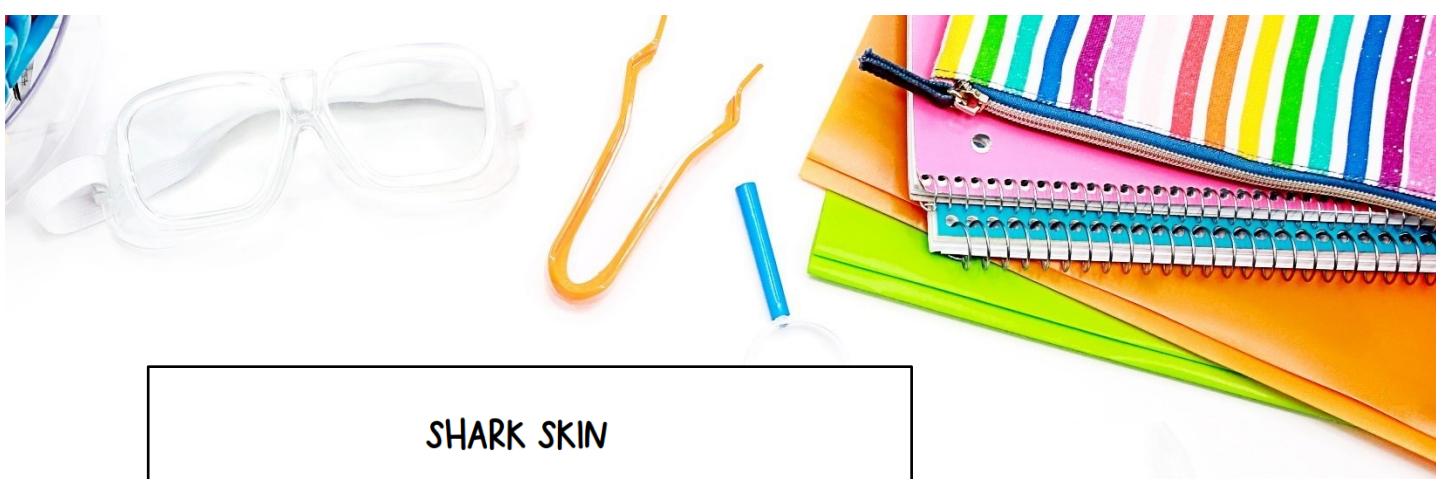
Use "random" words to design something by using sharks as inspiration. Roll the dice and use the words below as inspiration.

- 1. Super energy efficient boat
- 2. Toy or dressing up costume
- 3. Protective glove
- 4. Infection control
- 5. Water energy
- 6. You own choice



Give your invention a cool name

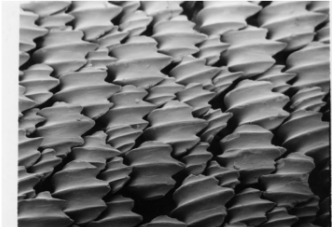
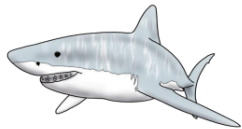
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SHARK SKIN

The skin of a shark is rough. Patting a shark is like patting rough sandpaper. Their skin is made of something called dermal denticles and they are almost like little teeth. The denticles point backwards. When you stroke a shark from the head towards the tail it is smooth but when you stroke it from the tail towards the head it is like sandpaper.

If you look really closely, in a special microscope, the shark's skin looks like this.



Shark skin

Can you draw some denticles?



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Great to Use for

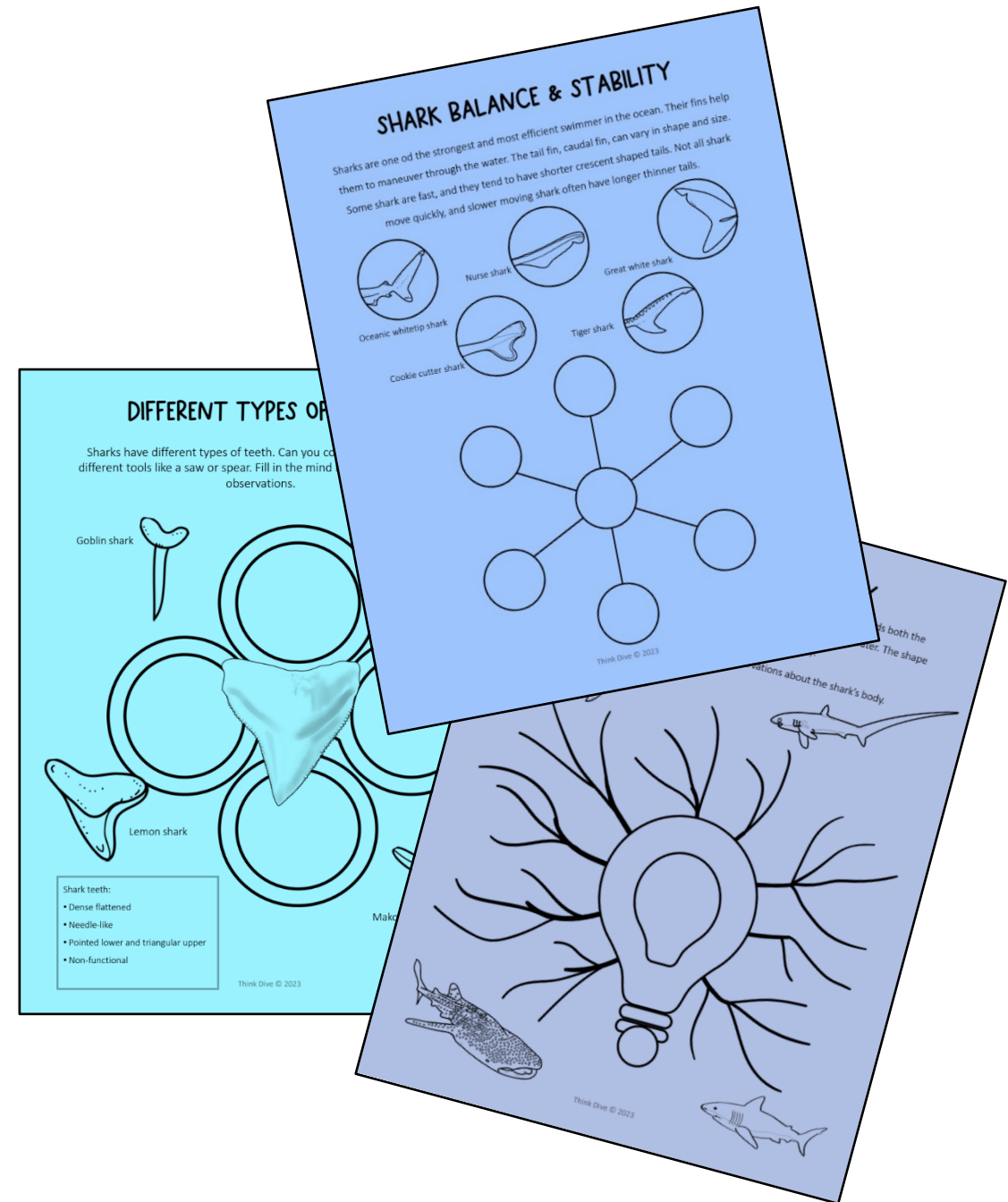
- ❖ Shark Projects
- ❖ Life Cycles
- ❖ Egg Laying
- ❖ Biomimicry Challenges
- ❖ Independent Work
- ❖ Nature studies
- ❖ Reflection
- ❖ Build science confidence
- ❖ Critical & Creative Thinking



Review – Math Journal Prompts

“A wonderful set of problems to get students thinking; and I love the extra challenge provided by showing their work to explain how they arrived at the solution. Thank you for the great prompts!”

“I sent this booklet home for parents to help one of my students. It was easy to put it together. Thank you!”



YOU FIND ME AT



THINK DIVE - SPARKING CHILDRENS THINKIBILITY



BIOMIMICRY FOR YOUNG CHILDREN



TEACHER PAY TEACHER



PINTEREST



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