

Recycle N Make

PLAY
STEAM
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THE LEARNING BOOKLET

Love the Ocean™
Ocean Friends™
Hammerhead Shark & Manta Ray



BOOSTER



WARNING:
CHOKING HAZARD - Small parts,
Not for children under 3 years.

AGES 6+


©2019 DESIGNED BY PLAYSTEAM EDUCATION LIMITED, LONDON.
WEBSITE: WWW.PLAYSTEAM.COM EMAIL: INFO@PLAYSTEAM.COM ADDRESS: SUITE 35 - 36 THE DESIGNWORKS,
PARK PARADE, LONDON, NW10 4HT. MANUFACTURED BY HANGZHOU ZT MODEL COMPANY LIMITED. ADDRESS: NO 6
MINGDE RD., PUYAN, BINJIANG, HANGZHOU, CHINA.

PLAY

PLAY • READ • INSPIRE

STEAM

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WARNING MESSAGE

GENERAL WARNING

Before you begin, please read through the instructions together with your children. Make sure you understand the safety messages. Please keep the packaging and instructions, as they contain important information.

This kit is designed for children over 6 years of age. This product contains small parts which may pose a choking hazard. It is not suitable for children under 3 years old. Please keep individual parts and the fully-assembled product away from children under 3 years of age.

Screws and other metal parts may have sharp edges. Children should have adult supervision when assembling the product.

Last but not least, please clean the parts and finished product with a damp cloth. Make sure to remove the batteries from the battery compartment before cleaning. Do not use any soap or cleaning solutions.

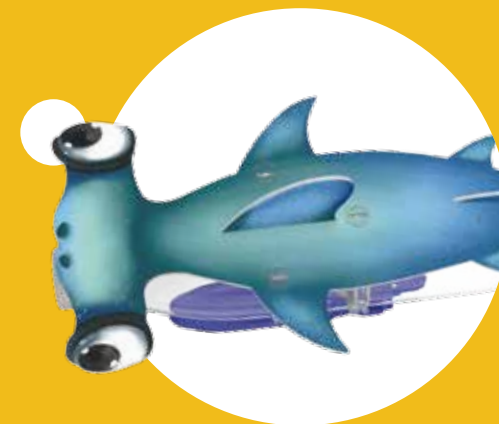
OTHER WARNINGS

Using batteries

- Do not charge non-rechargeable batteries.
- Do not mix different types of batteries or new and used batteries.
- Insert batteries with correct polarities.
- Remove exhausted batteries from the toy.
- Do not short-circuit supply terminals.
- Remove rechargeable batteries from the toy before charging.
- Charge rechargeable batteries under adult supervision only.
- Do not use rechargeable batteries.

 **The toy is to be operated in water only when fully assembled in accordance with the instructions.**

1 | WARNING MESSAGE

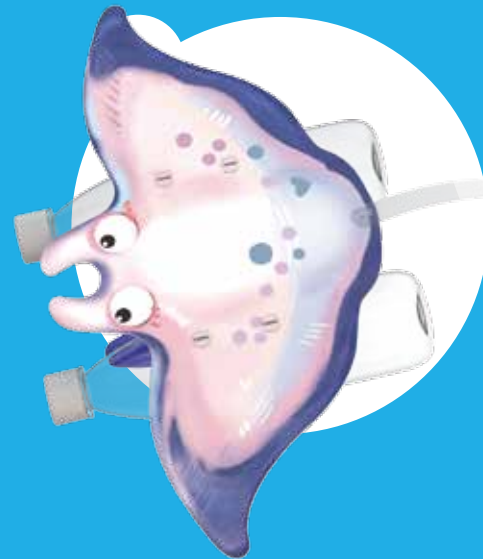




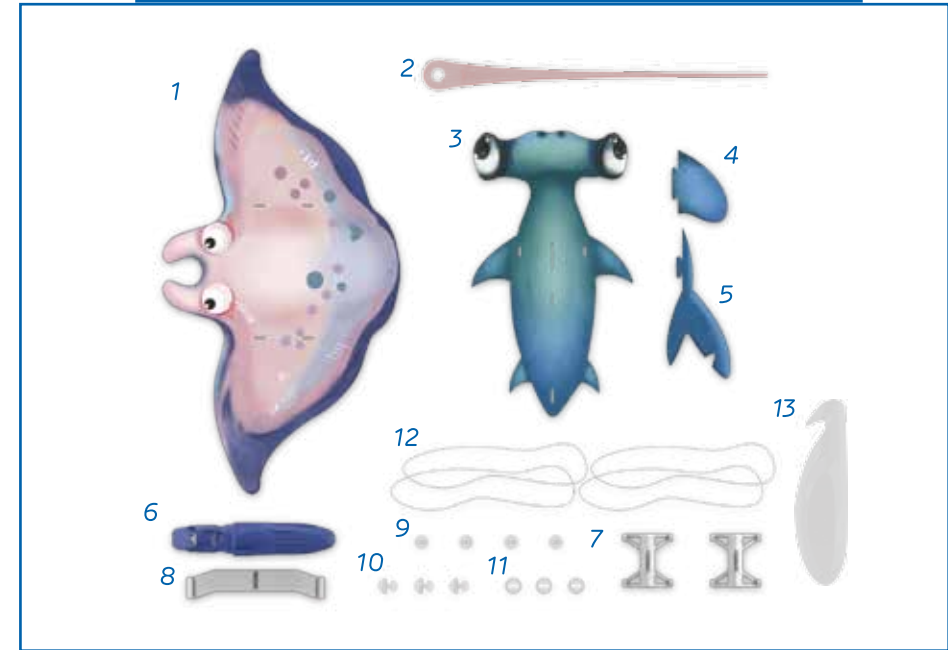
Read to be inspired!



2 | PACKAGE CONTENTS



Package Contents

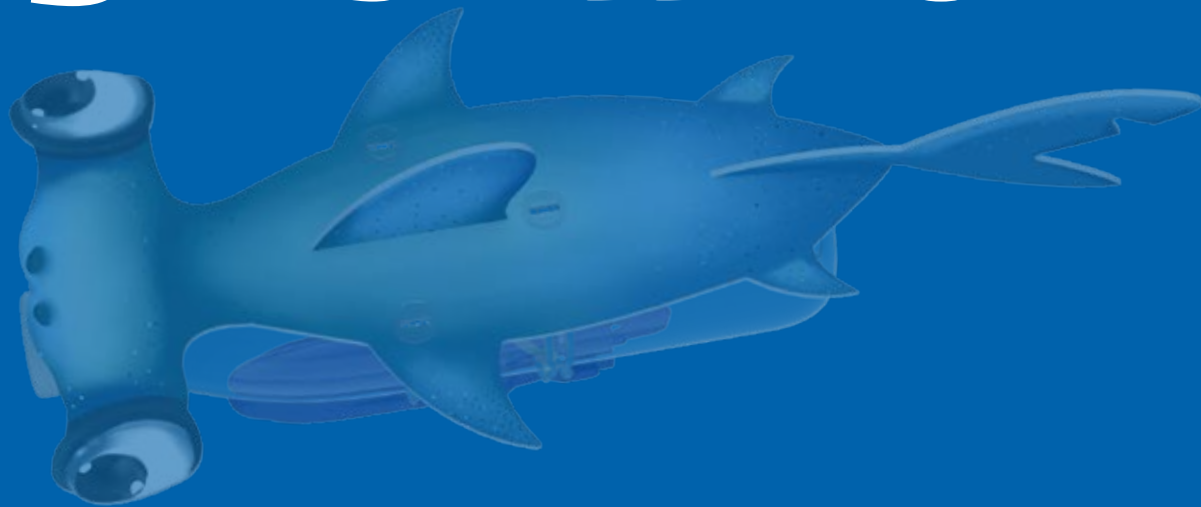


| Serial | Name | Quantity | Serial | Name | Quantity |
|--------|-----------------------------|----------|--------|-------------------|----------|
| 1 | Manta ray body | 1 | 8 | Bottle combiner | 1 |
| 2 | Manta ray tail | 1 | 9 | Rubber band hooks | 4 |
| 3 | Hammerhead shark body | 1 | 10 | Buckle | 3 |
| 4 | Hammerhead shark dorsal fin | 1 | 11 | Socket | 3 |
| 5 | Hammerhead shark tail | 1 | 12 | Rubber bands | 4 |
| 6 | Propulsion unit | 1 | 13 | Hook | 1 |
| 7 | Bottle holder | 1 | | | |

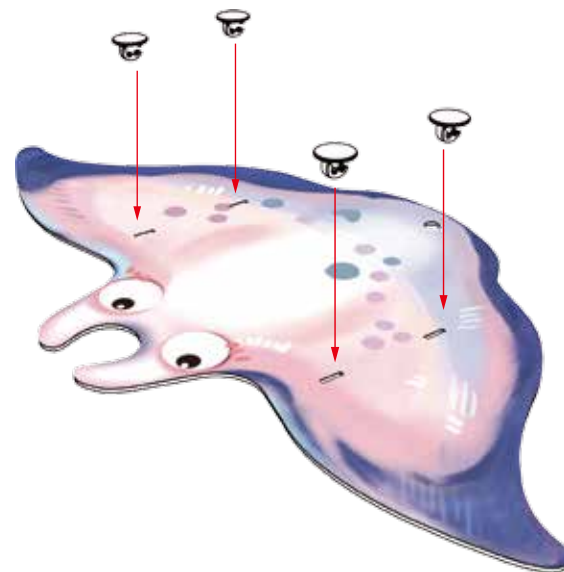
*Required but not included: AA Battery (x1)



3 | INSTALLATION

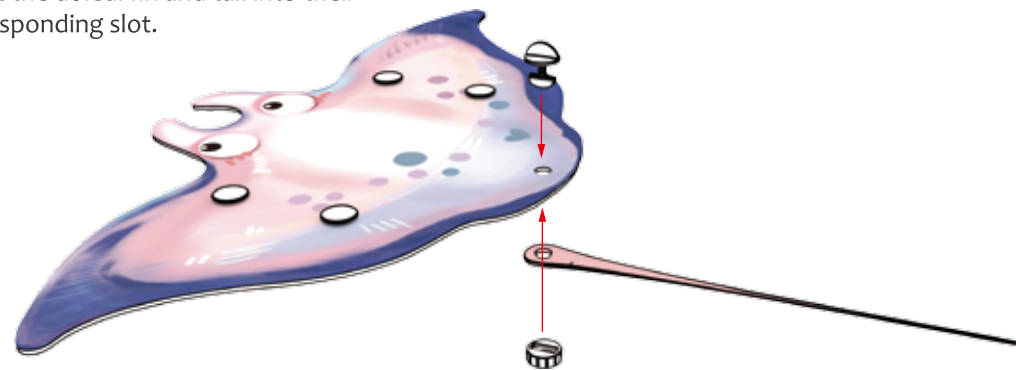


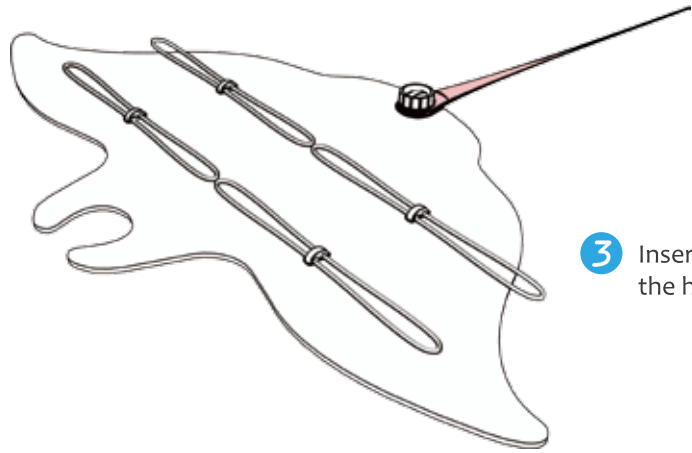
Manta ray



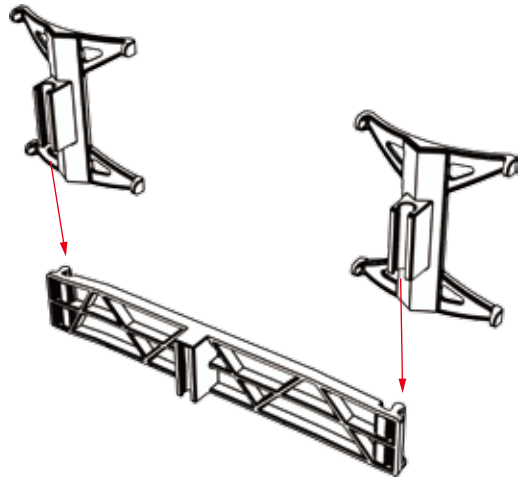
- 1 Insert the rubber band hooks into the corresponding slots.

- 2 Insert the dorsal fin and tail into their corresponding slot.



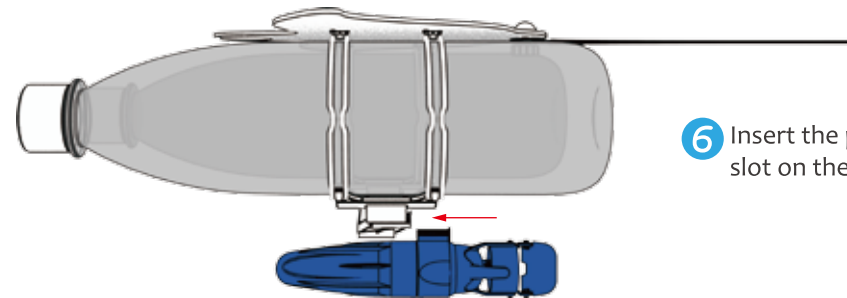
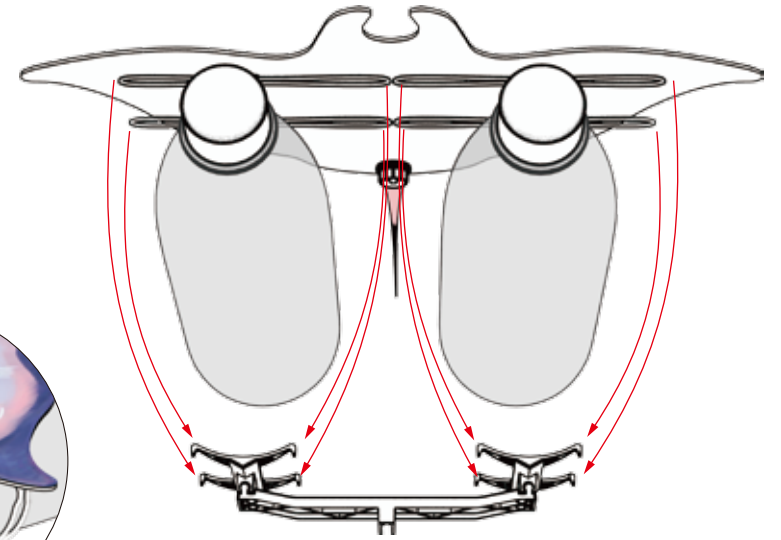
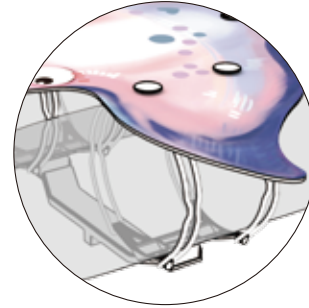
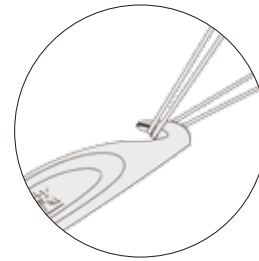


3 Insert the rubber bands into the hooks.



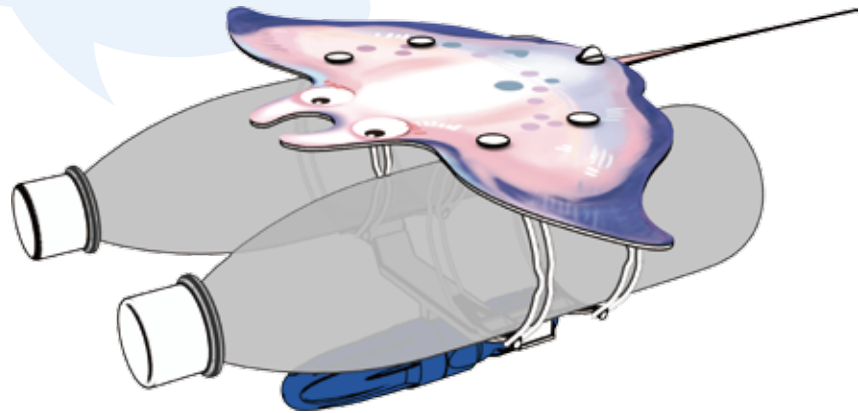
4 Insert the bottle holders into the slots on the bottle combiner.

5 Tie the manta ray to the bottles by hooking the rubber bands on both sides to the bottle holders.



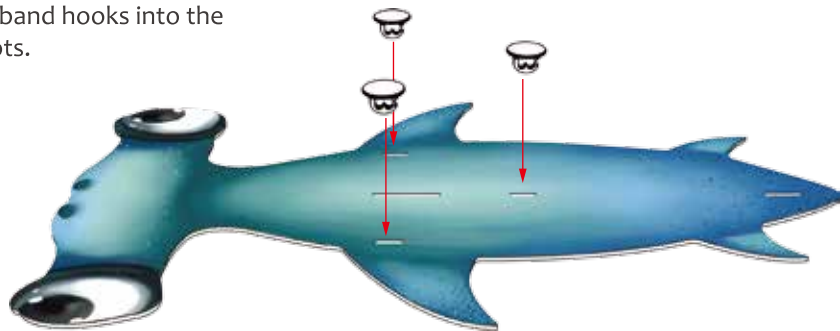
6 Insert the propulsion unit into the slot on the bottle combiner.

ASSEMBLY IS COMPLETE!

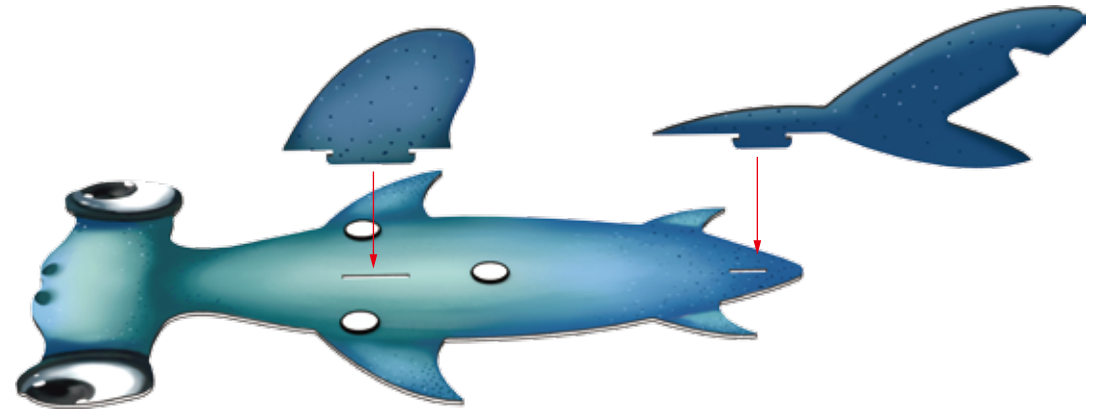


Hammerhead shark

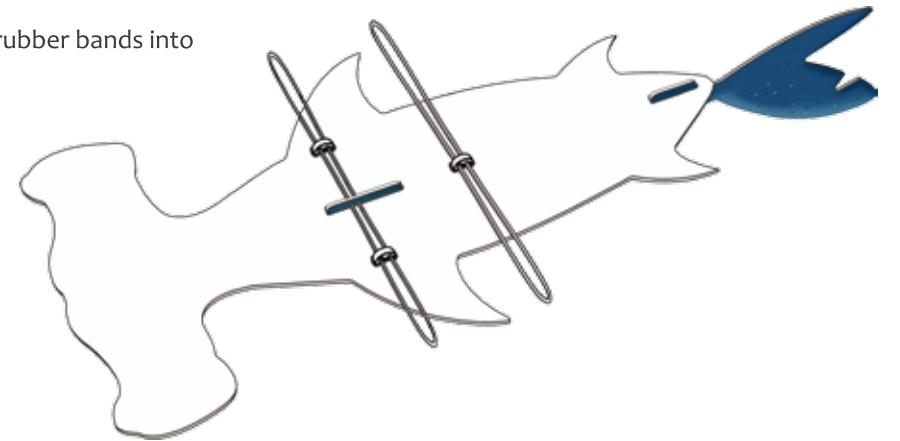
- 1 Insert the rubber band hooks into the corresponding slots.



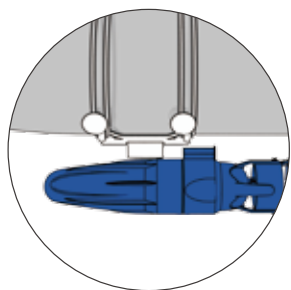
- 2 Insert the dorsal fin and tail into their corresponding slots.



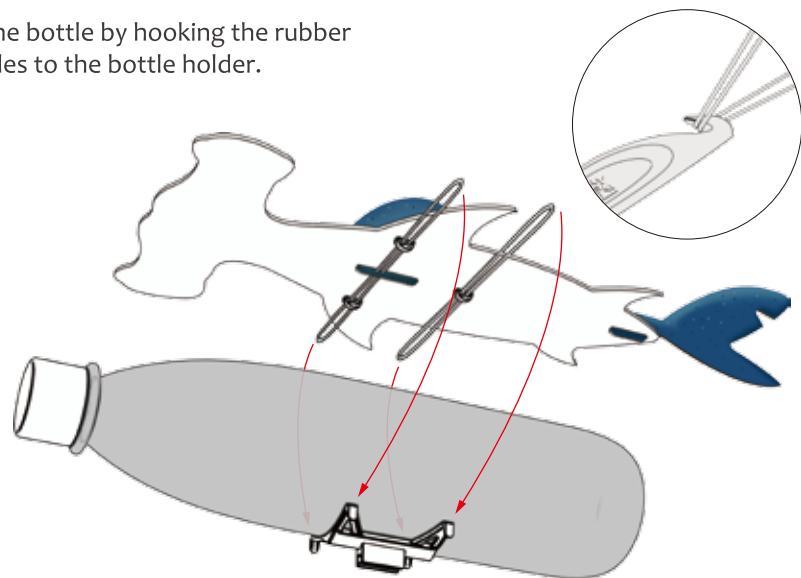
- 3 Insert the rubber bands into the hooks.



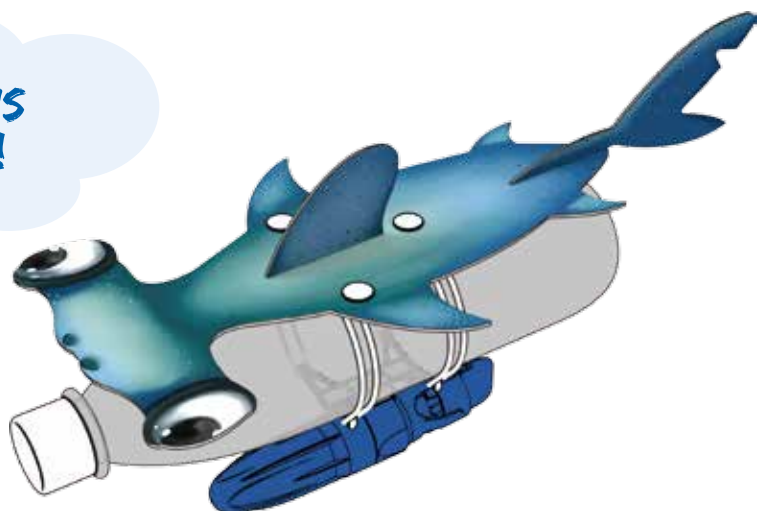
- 4 Tie the shark to the bottle by hooking the rubber bands on both sides to the bottle holder.



Insert the propulsion unit into the slot on the bottle holder.



ASSEMBLY IS COMPLETE!

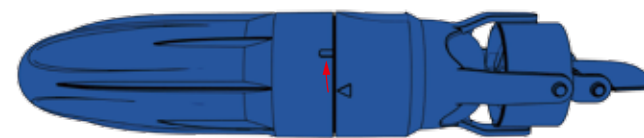


Battery installation

- 1 Instal the battery according to correct polarity.



- 2 Twist the propulsion unit, aligning the marks to turn it on. The propeller will start to rotate.



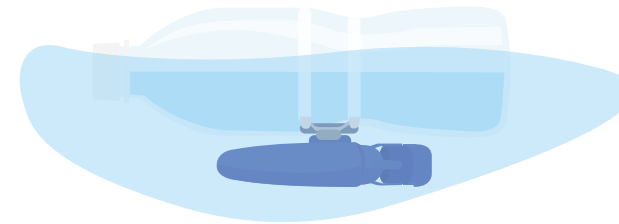
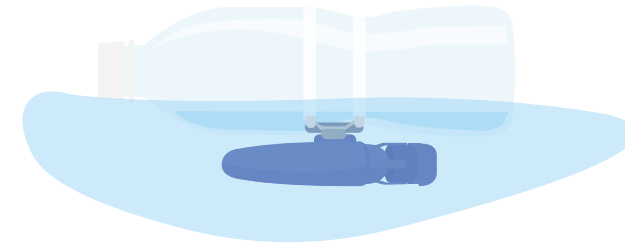
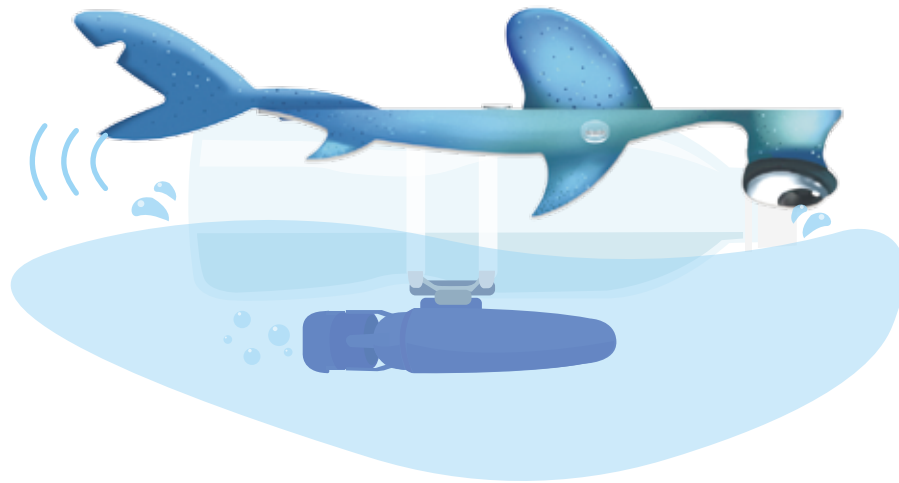
4 | FUN FACTS

PLAY • READ • INSPIRE



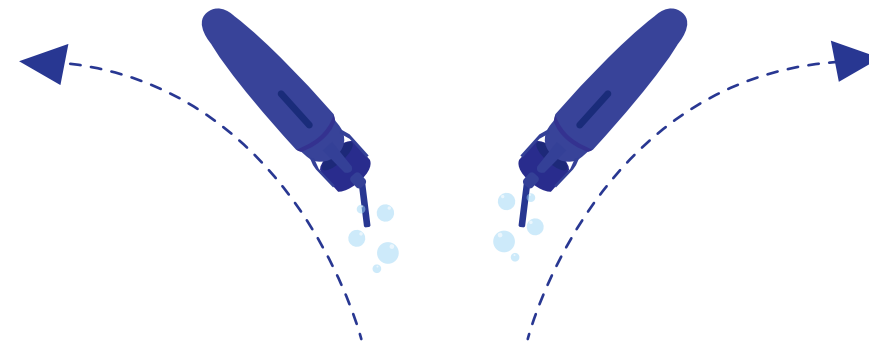
HOW DOES IT WORK

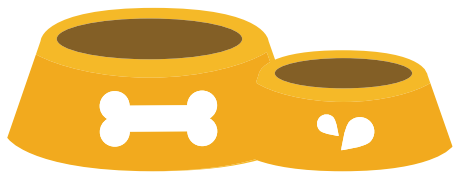
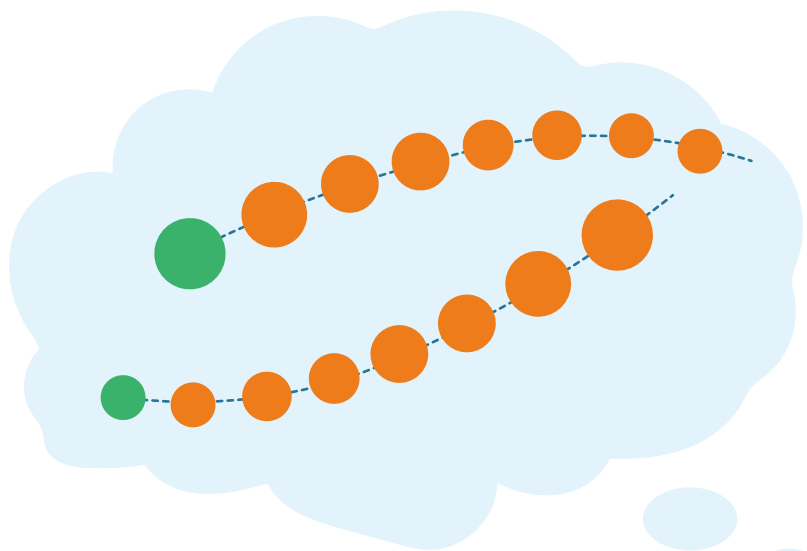
The recycled plastic bottles you provide will serve as a body for your marine creature. Dressed up with the animal's shape and attached to the propelling system, it will slowly and gently swim like these giant creatures usually do.



- 1 You can vary the buoyancy by adding water or emptying the bottle. Your marine creature will thus float at the surface or sink.

- 2 Adjust the rudder on the propeller to make your marine animal go straight and turn left or right.





WHAT IS PLASTIC?

Plastic is a material, such as wood or iron that is widely used nowadays to create all kind of objects. In scientific terms, plastic is a "polymer", a chemical compound made of very long molecules that are tied to each other giving plastic its elasticity and strength. Except if you live in the forest, you are probably surrounded by many objects made of plastic at the moment.



WHAT HAPPENS WHEN WE THROW PLASTIC AWAY?

When we throw something away, it is normally buried and will decompose. Decomposition is the natural process by which plants, animals or objects are broken down into tiny pieces to become part of the nature again.

The problem with plastic is that it takes a very long time to decompose. To give you a rough idea, a plastic bottle takes at least 450 years to decompose. Moreover most of the plastic thrown away ends up in the ocean feeding fish, turtles and seabirds.

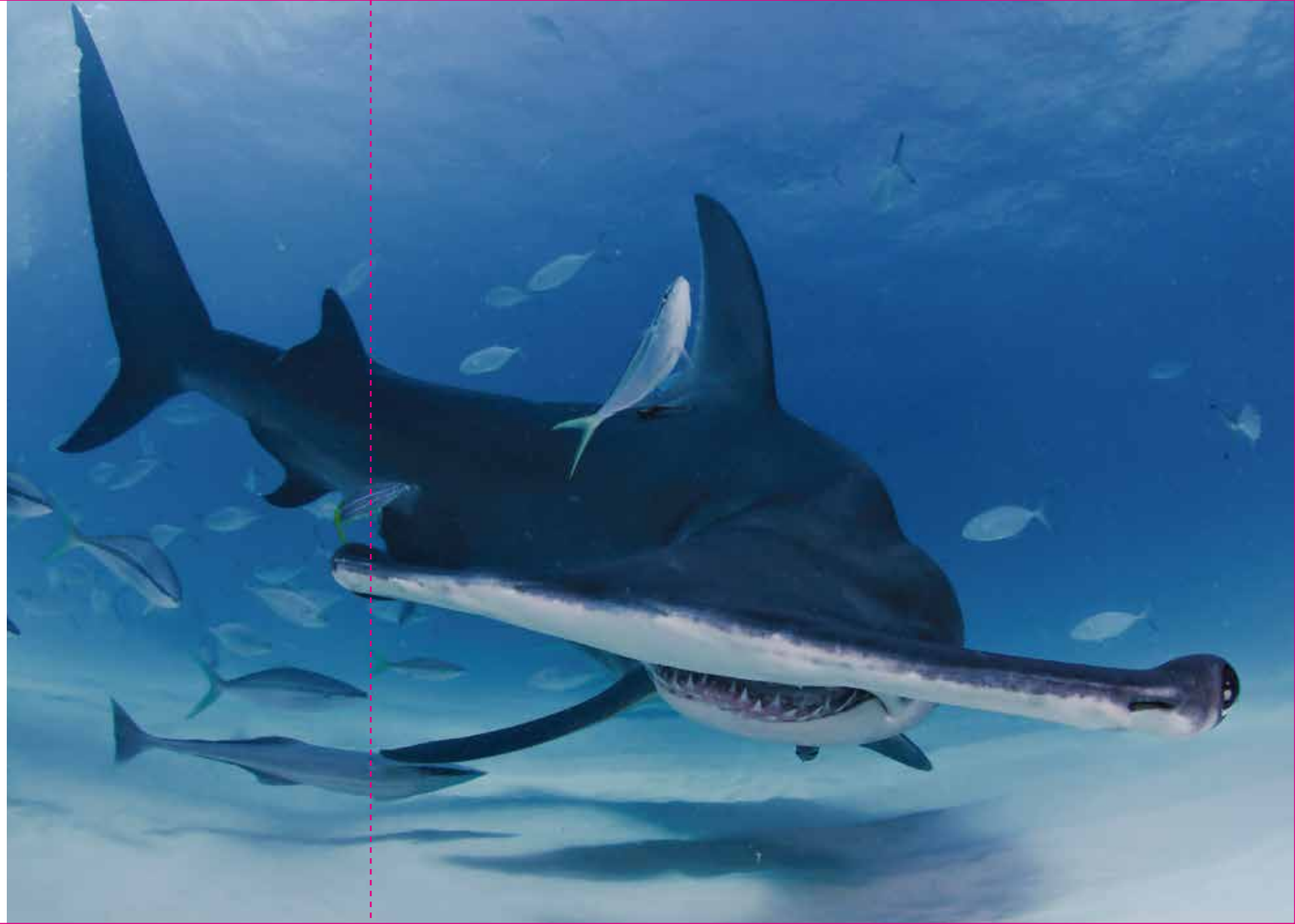


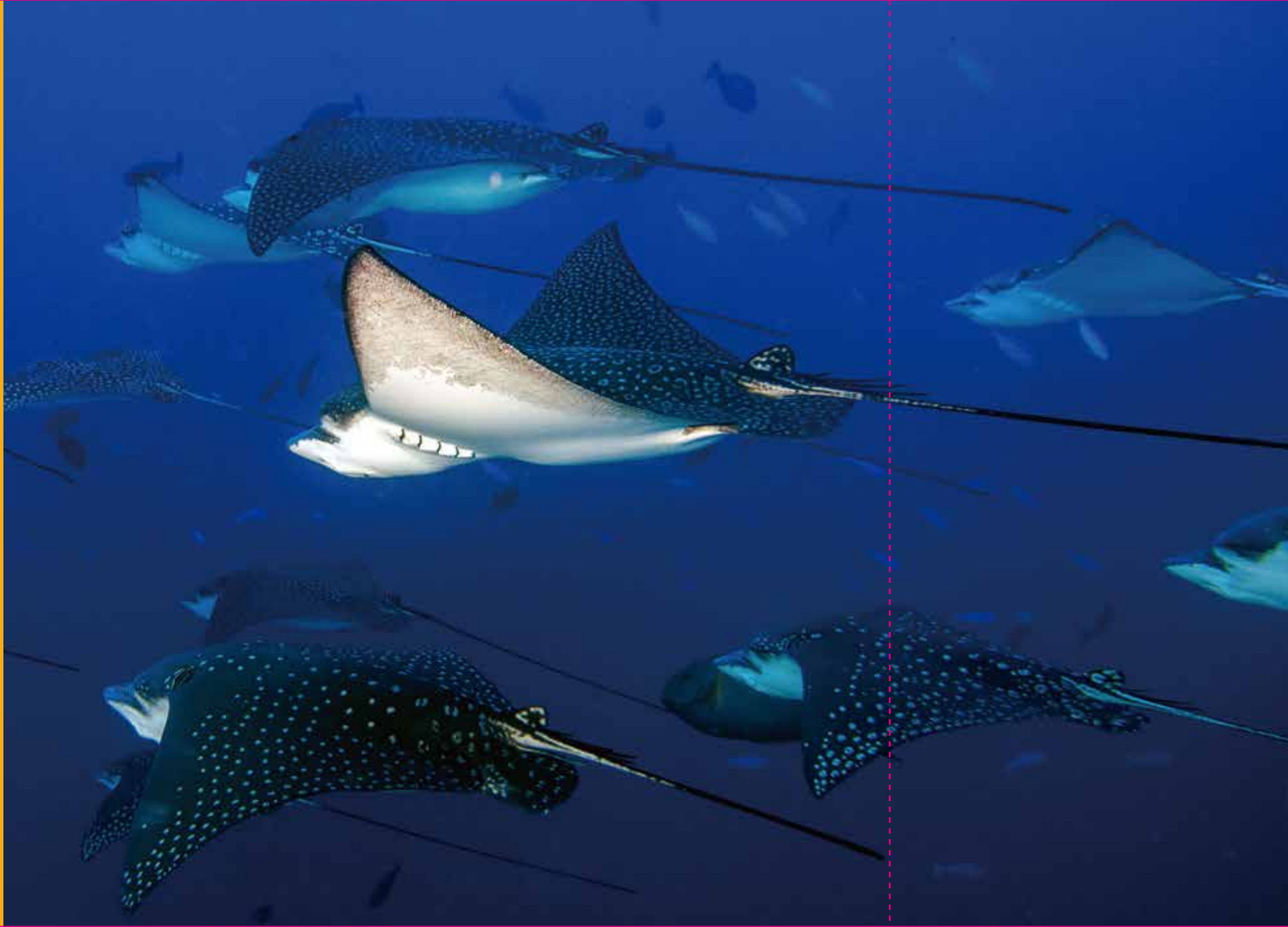
Read to be inspired!



HAMMERHEAD SHARK

Hammerhead sharks are named because of their distinctive head, which are flattened and laterally extended into a hammer shape. Scientists suggest that this funny head structure and special positioning of the eyes result in outstanding vision. It also allows for a broader spread of highly specialized sensory organs that they use to find food.





Read to be inspired!

MANTA RAY, THE SHARK'S COUSIN

Despite very different appearances, rays are biologically close relatives of sharks. There exist many different kind of rays though. The most famous is probably the 'Giant Oceanic Manta Ray' which is also the biggest and can reach up to 9m wingspan.

5 | *ACTIVITIES*



MAKE YOUR OWN SWORDFISH

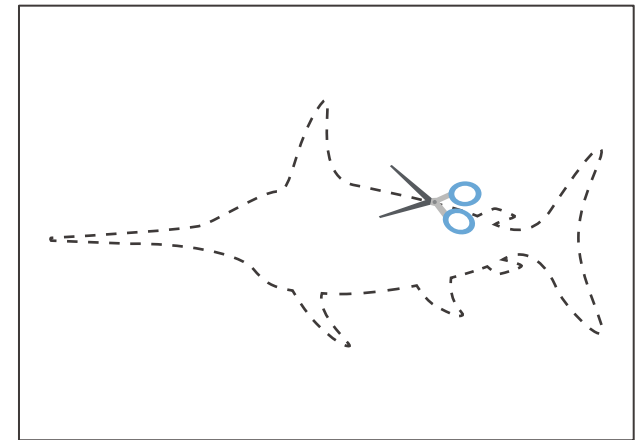
Swordfish have a long sword shaped nose. They don't use it to spear at their pray, but rather to slash at them and make the catch easier.

SPECIAL WARNING:

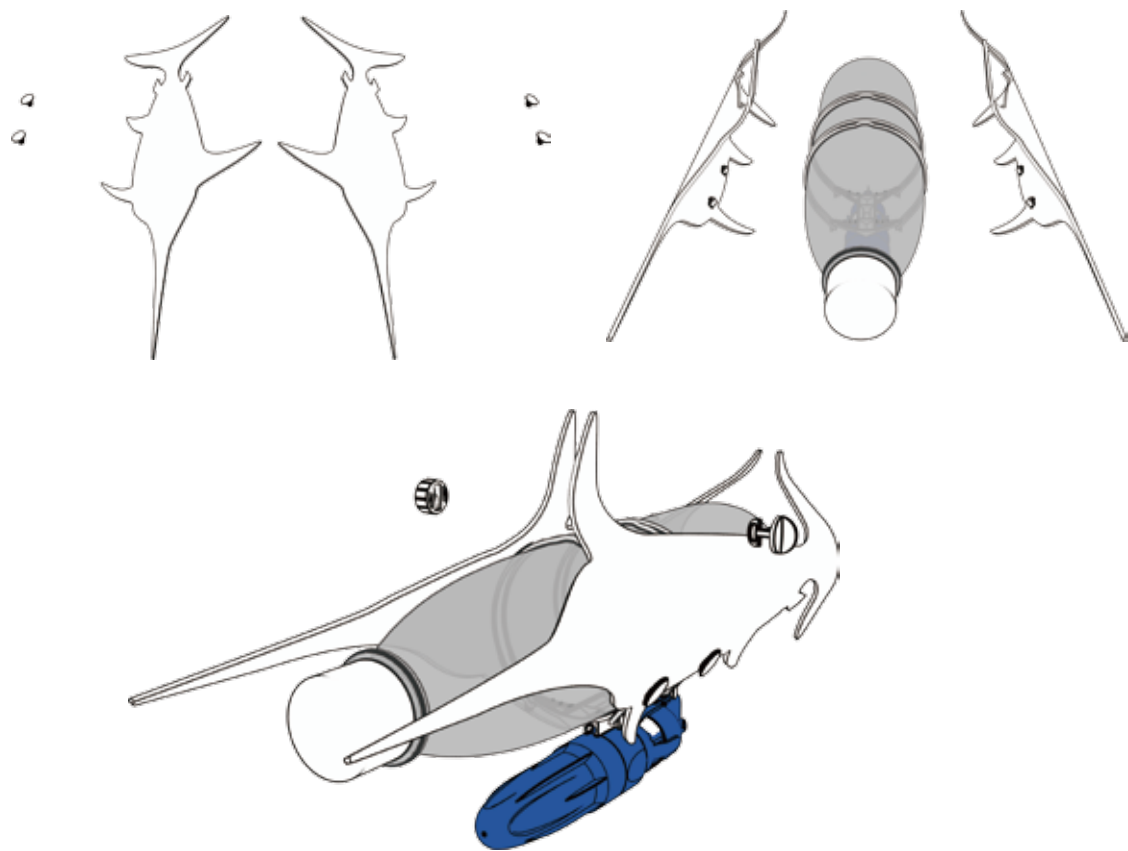
Always ask your parents before using cutting tools, and remain under their supervision.



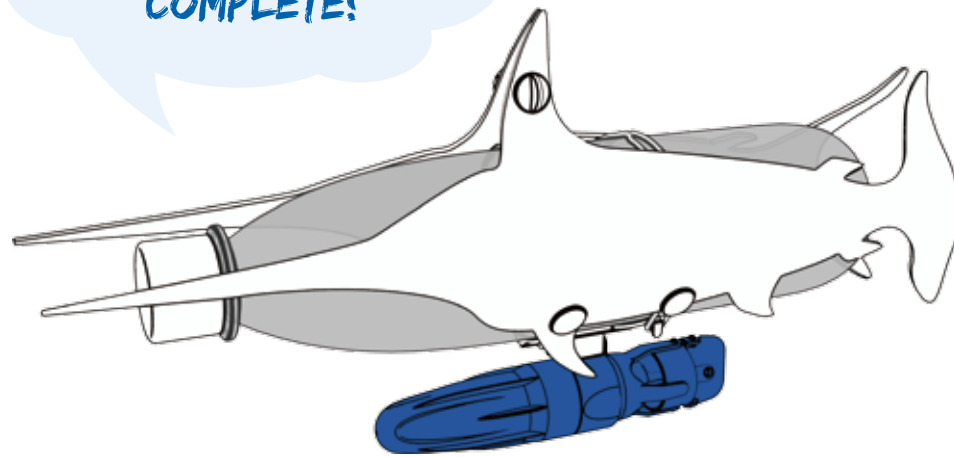
- 1 To make your own swordfish you will first have to get a sheet of waterproof material. We suggest you to use old plastic folder or plastic coated cardboard. You can also use cardboard and wrap it with tape to make it waterproof.
- 2 Past the A4 sheet with printed swordfish on your waterproof sheet. Cut out your swordfish by using scissors and make holes at the specified locations.
- 3 Remove the paper sheet.



- 4 Tie first the upper part of the swordfish by using the twist-lock. Then insert the hooks in the holes previously made and hook them to the rubber band.



ASSEMBLY IS COMPLETE!



There are so many different fish species in our oceans, make them all. The only limit is your imagination!