

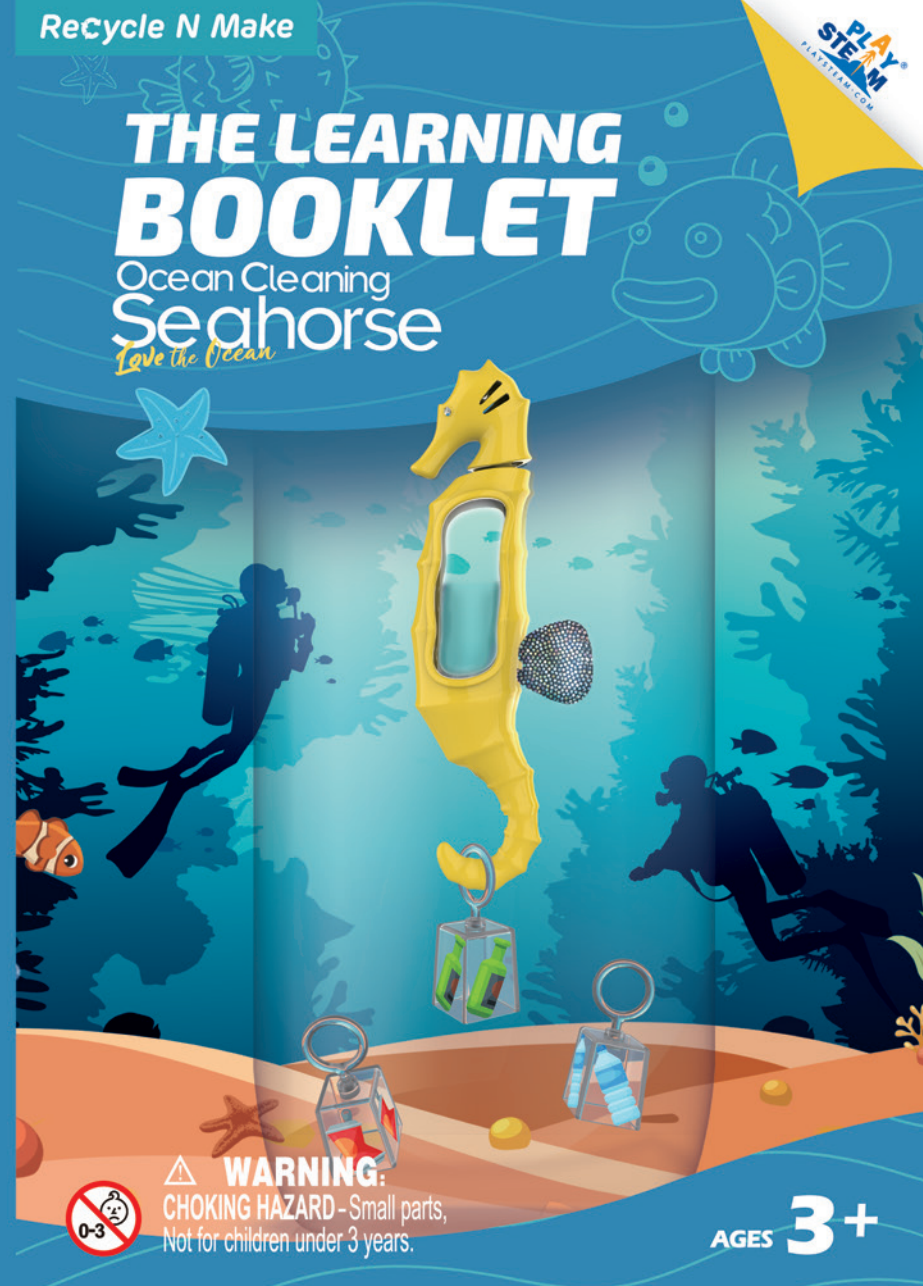
Recycle N Make

PLAY
STEAM
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THE LEARNING BOOKLET

Ocean Cleaning
Seahorse

Love the Ocean



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WEBSITE: WWW.PLAYTEAM.COM EMAIL: INFO@PLAYTEAM.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.



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

AGES **3+**

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.

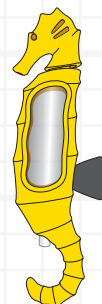
This kit is designed for children over 3 years of age.

CHOKING HAZARD - Small parts, not for children under 3 years.

Children should have parental supervision when assembling the product.

Please clean the product with a clean cloth when necessary.

PACKAGE CONTENTS



• Seahorse



• Rings x3

• Marine wastes x3



• Sticker

• Postcard catalogue



• Sticker



Tear off the stickers. Remove the plastic film and apply the stickers to the marine wastes. Then press firmly and rub the stickers, and finally remove the plastic film from the surface.



Installation steps

Auxiliary tools



Plastic bottle



Water

1. Fill the plastic bottle with water as shown on the diagram.



2. Put the starfish, scallop and conch into the bottle as shown on the diagram.



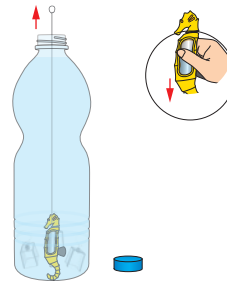
Water

4. Put the seahorse into the bottle, observe the floating state, and repeatedly adjust the quantity of water in the dropper depending on the floating state.



State I

With too much water in the dropper, the seahorse rapidly sinks to the bottom after entering water.



Modification method:

Take the seahorse out with a hook (you can make one with wire), gently squeeze the dropper to let out a small amount of water. Put the seahorse back into the bottle for observation.

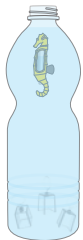
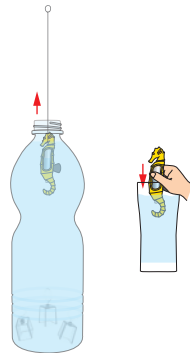


State II

With too little water in the dropper, the seahorse floats up to the water surface after entering the water.

Modification method:

Take the seahorse out with a hook, continuously absorb a small amount of water from the cup, and put it into the bottle for observation.



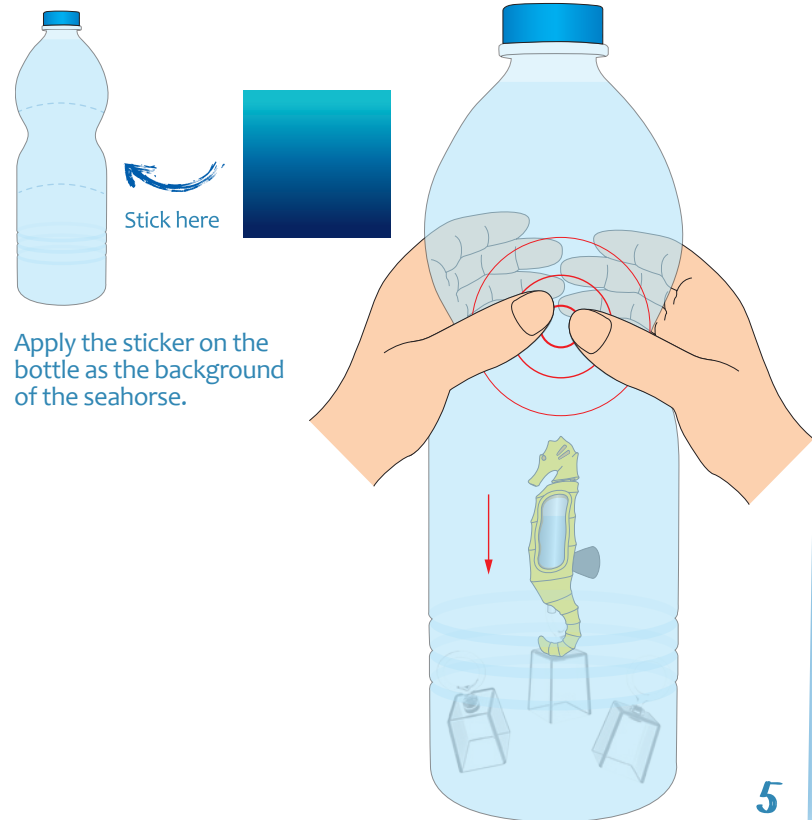
Ideal state

State III

With a moderate amount of water in the dropper, the seahorse is vertical and self-suspended after entering the water.

Method of application

Screw the cap onto the water bottle adjusted to the ideal state, grasp the bottle and squeeze with both hands, the seahorse will slowly sink to the bottom. See how the seahorse slowly floats back to its initial position after releasing pressure with your hands.



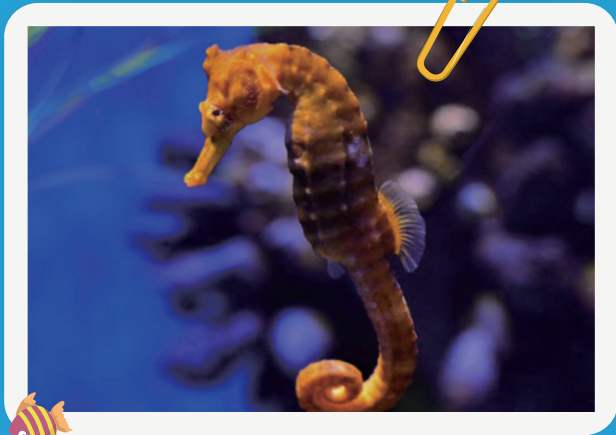
Stick here

Apply the sticker on the bottle as the background of the seahorse.

NATURE RELATED FACT

MALE SEAHORSES GIVE BIRTH

A particularity in Seahorses is that males carry the babies and give birth. It can give birth to more than 1000 babies at a time but only about 0.5% of them will survive.



SEAHORSE HABITAT

Seahorse can be found in cold, temperate as well as tropical waters including Argentina, Canada, New Zealand and the United Kingdom. However, there is a common inhabit requirement - clean water.

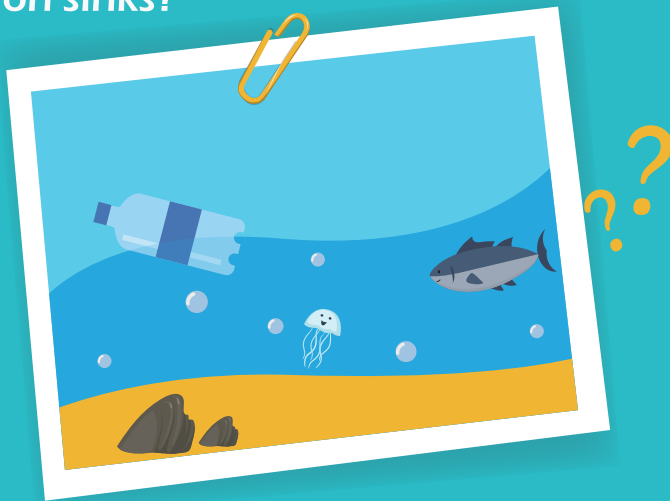


Help your seahorse to clean his habitat picking up the trash at the bottom of the ocean.

SCIENCE/ENGINEERING

DENSITY

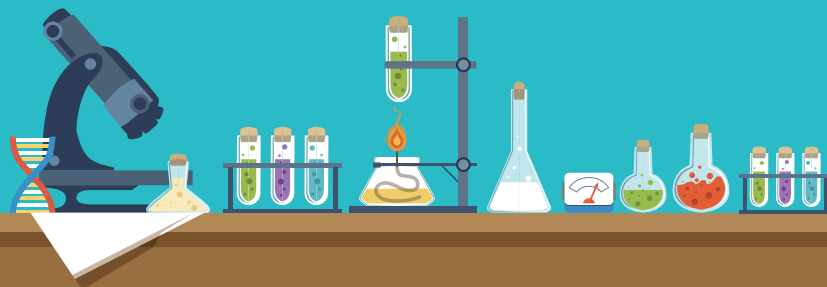
Do you know why plastic floats while iron sinks?



It is related to what we call "density". The density of an object or a liquid measures how heavy every tiny part of that object/liquid is. The bigger the density the heavier the object/liquid. When an object is placed into a liquid, if the density of that object is greater than the one of the liquid then it sinks, otherwise it floats.



Can you guess now, which one has a greatest density, water or wood?
Water or plastic?
Water or iron?
Water or oil? (you can try at home)





DEAD SEA

The Dead Sea is the deepest hypersaline lake in the world. Because of the high salinity, human bodies are more buoyant and have the ability to float. The Dead Sea is 9.6 times saltier than the oceans, making it impossible for marine creatures to survive. Hence the name, "Dead Sea!"

RECYCLING/ENVIRONMENT

PROTECT THE CORAL REEFS

Coral reefs are very important for the marine ecosystem. As a habitat for many different marine species including seahorses, coral reefs protect coastlines from erosion.



Plastic pollution directly affect coral reefs' health. It can impede coral growth and reproduction, and even cause disease and mortality in sensitive species.



Think about the seahorses in our oceans and sort your trash.