
HOW TO MAKE A PLASTIC BOTTLE ORCA

(FROM RECYCLING!)

(AGES 5+)



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THINGS YOU'LL NEED :



- 1.25L plastic soft drink bottle with lid
 - Black + white paint
 - A paint brush
 - White cardboard
 - Black cardboard
 - Glue
 - Scissors
 - Black felt pen
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STEP 1...

DRAWING

Draw a triangle shaped mouth at the base of the bottle on both sides.



STEP 2...

CUTTING

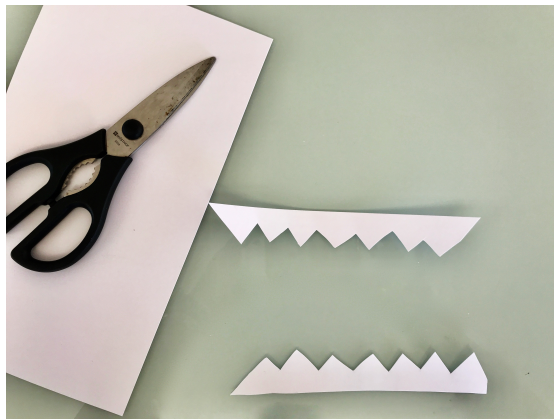
Cut it out!



STEP 3...

MORE CUTTING

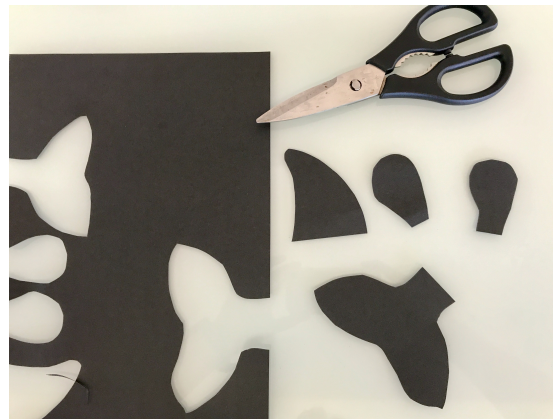
Take your scissors and cut out a row of teeth from your cardboard. Mine are about 2 cm high.



STEP 4...

EVEN MORE CUTTING

Time to cut out a dorsal fin (about 5cm high), two pectoral fins (about 3cm high) and a tail (5cm high & 10cm wide).



STEP 5...

LAST OF THE CUTTING

Time to draw an eye. Cut it out of the white card and colour it in with a felt pen.



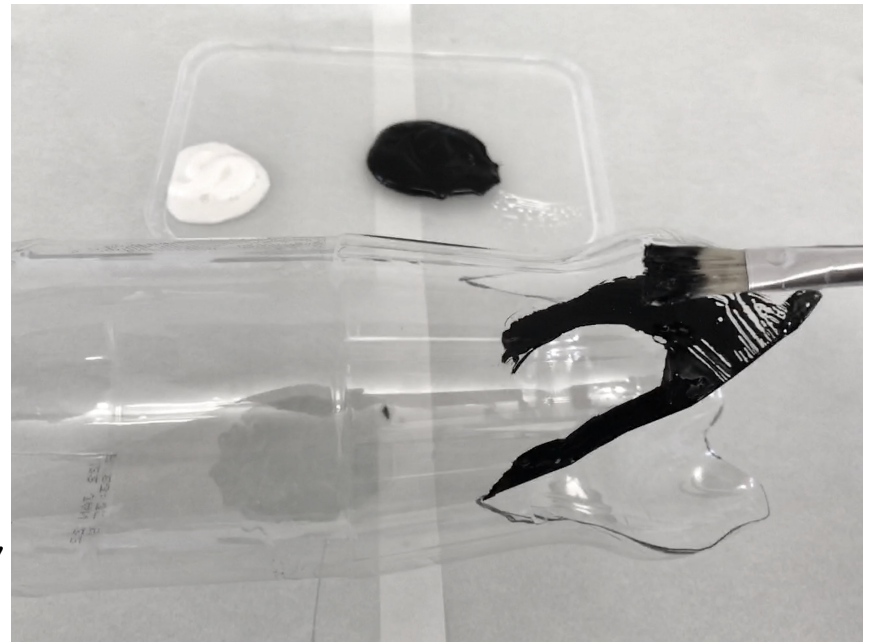
STEP 6...

PAINTING

Grab your brush – it's time to start painting. I'm using an old takeaway container as a paint palette. Don't forget to paint a:

- White saddle patch
- White patch behind each eye
- White chin
- White belly
- You can paint the lid black too.

Take inspiration from an orca's anatomy on the next page.



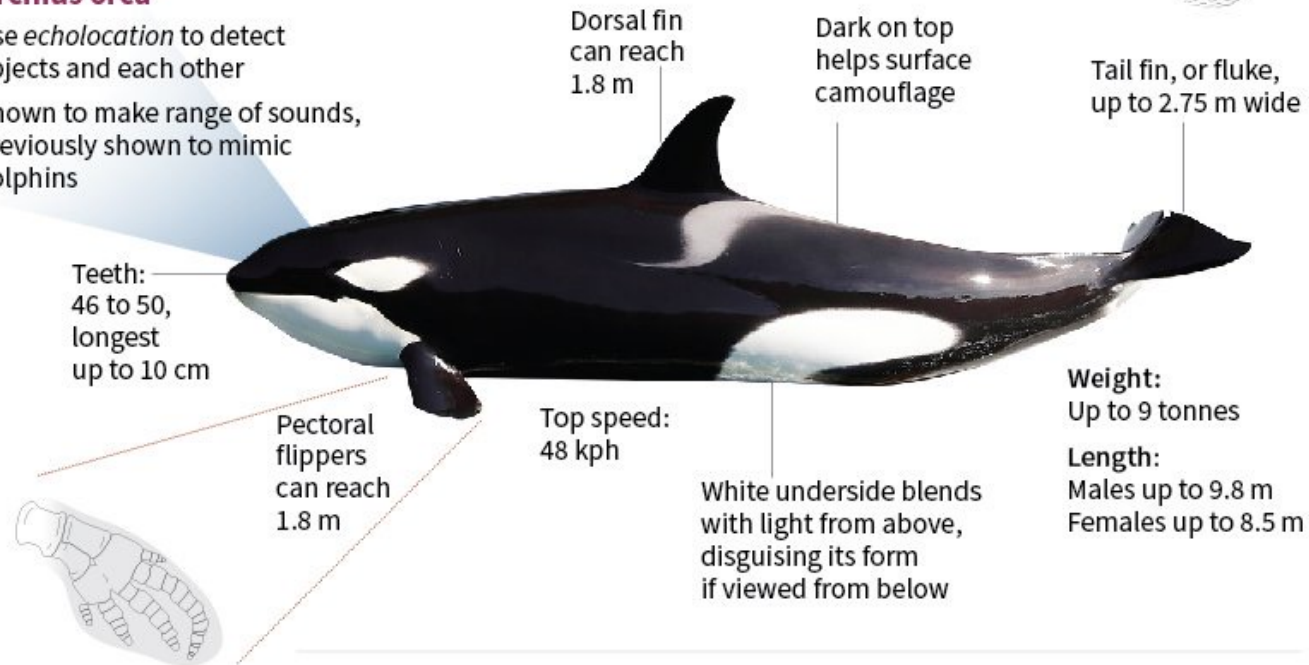
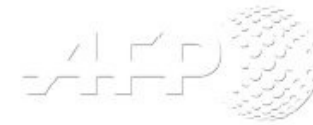
Killer whales

Largest species of the dolphin family

Orcinus orca

Use *echolocation* to detect objects and each other

Known to make range of sounds, previously shown to mimic dolphins



Teeth:
46 to 50,
longest
up to 10 cm

Dorsal fin
can reach
1.8 m

Dark on top
helps surface
camouflage

Tail fin, or fluke,
up to 2.75 m wide

Pectoral
flippers
can reach
1.8 m

Top speed:
48 kph

White underside blends
with light from above,
disguising its form
if viewed from below

Weight:
Up to 9 tonnes

Length:
Males up to 9.8 m
Females up to 8.5 m

Five digits in the
bones of fin in
line with typical
mammalian hand
or foot

Diet:
Fish, seals, walruses,
penguins, octopus, squid,
turtles, sharks, others
Eats about 227 kg a day

Population size:
Unknown

Conservation status:
Undetermined

Lifespan:
50-90 years in the wild

Range:
Worldwide

Source : National Geographic/Ilive science/American Cetacean Society/Seaworld

© AFP

STEP 7...

DRYING

Once you've finished painting it's time to dry. I taped mine lid-down on the table. Patience now. . .



STEP 8...

FOLDING

While your orca's drying, make a 1cm fold at the base of your fins so they stand upright when it comes time to glue them.



STEP 9...

STICKING

Glue along the folds and stick them onto to your orca. Dorsal fin on the top, pectoral fins on each side.



STEP 10...

MORE STICKING

Time to stick the teeth and eyes on too. Eyes go in front of the white patch. Teeth may need to be snipped to fit.



STEP 11...

THE TAIL

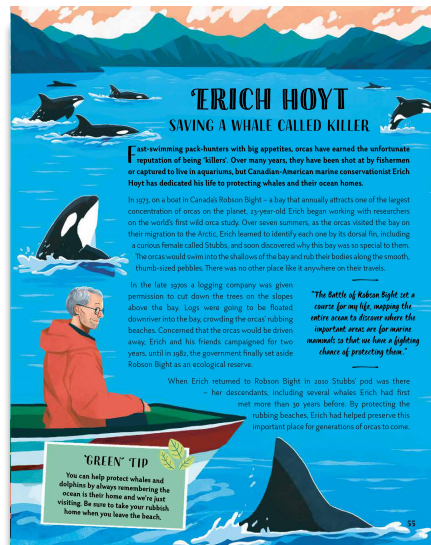
Lastly, it's time to fold the end of the tail and attach as you did for the fins.



YOU DID IT!!



FIND OUT MORE ABOUT ORCAS IN MY NEW BOOK 'WHAT A WONDERFUL WORLD' – OUT NOW!



DON'T FORGET TO SHOW ME YOUR FINS...
SEND ME A PIC ON SOCIAL MEDIA!



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