

Hello everyone.  
I'm Terry Turtle.  
We are going to talk  
about materials.

Things around you are made from  
different kinds of materials.

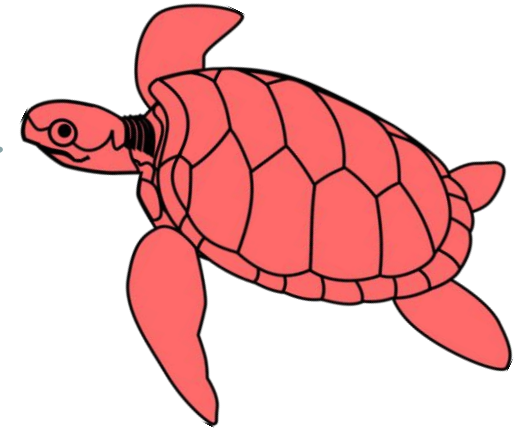
Point to a window pane.

Is it made from plastic, metal or glass?

Point to the tee shirt you are wearing.

Is it made from paper, cotton or plastic?

Now let's think of other materials.



Look around you for these things.

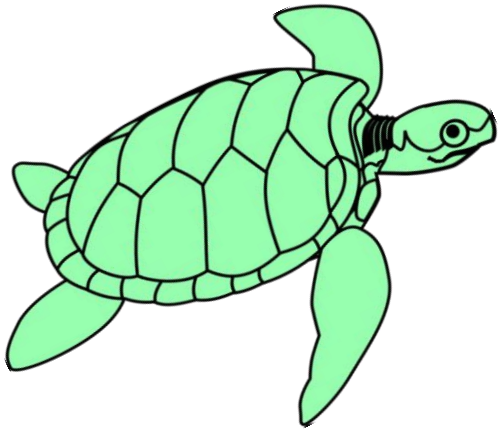
a wall

a chair

your shoes

the floor

Which materials are they made from?



There are  
natural materials and  
man-made materials.

Natural materials, such as clay and stone, can be found in the ground, or growing out of the ground, such as wood or cotton.

Can you think of any others?



# Clay

Clay can be dug out of the ground and is used for making cups, pots, vases etc.

Why is clay a good material to make these things from?

Have a think.

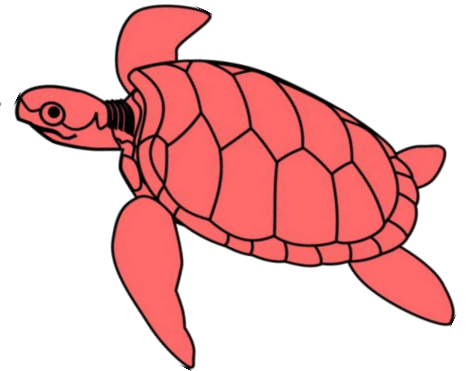


# Clay

When it is glazed, clay will hold hot and cold liquids and it is rigid so it will keep its shape.

Imagine pouring some milk into a cotton 'cup'!

Whoops! That's  
made a mess!!



# Wood

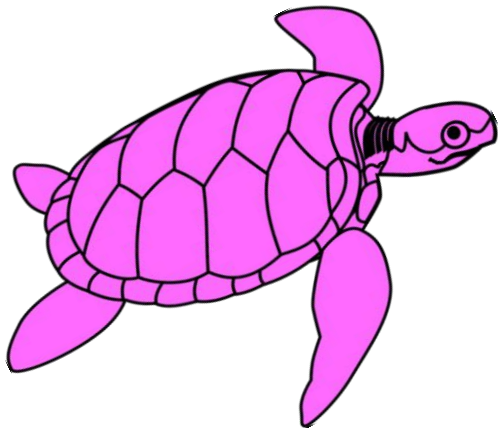
Wood comes from trees that grow naturally out of the ground. It is used to make furniture, floors, shelves, rounders bats, wooden toys etc.

Why is wood a good material for a bat?

Have a think.



# Wood



That didn't work! It  
broke straight away!



# Cotton

Cotton grows.

It is part of a plant.

The cotton fibres surround the seed and these can be made into thread for weaving. Cotton can then be used for clothes, duvet covers, curtains etc.

Why is cotton a good material for your tee shirt?

Have a think.



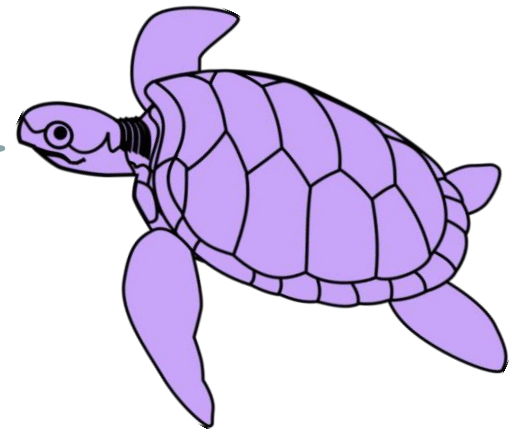


# Cotton

Cotton is flexible and light and will keep you warm.

Imagine wearing a wooden tee shirt.

Urrgghh! That's uncomfortable and I can't move!



# Man-made materials

So..... **natural materials** can be found in the ground or growing.

**Man-made materials** cannot be just found; they have to be made, even though natural materials are often used to make them.

**Glass** and **plastic** are examples of man-made materials.

# Glass

Glass is a man-made material because you can't really find glass naturally in the ground and it doesn't grow.

Look at the windows. Why is glass such a good material for windows?

Have a think.



# Glass

Glass is transparent so it lets you look outside and lets light in so you can see what you are doing.

It's also rigid and strong and keeps wind and rain out.



I wouldn't like to live in a house with no windows!

# Plastic

Plastic is a man-made material.

Have a look around you. Can you see anything made of plastic?

You probably have some plastic toys at home.

You probably drink water from a plastic bottle or eat yogurt from a plastic tub.

# Plastic

Plastic is a great material.

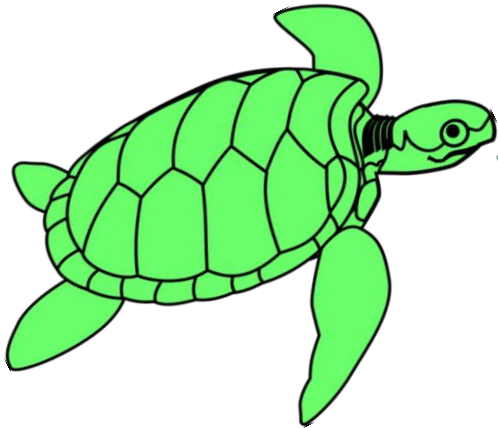
Why is it such a good material for a yogurt pot?

Have a think.



# Plastic

Plastic is light, strong, waterproof and it can be flexible or rigid. It can also be made into many different shapes and colours.



A glass water bottle is heavy to carry and easily broken.

# Plastic

So plastic is a great material.....

**but there is a problem.**

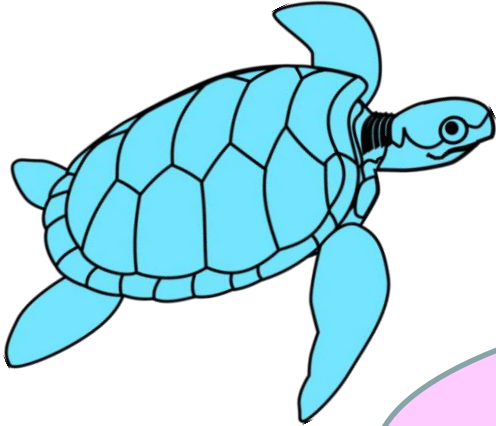
We use too much of it, then throw it away.

Some of it ends up littering our streets and the countryside and a lot ends up in the sea.



***So what?***

# Plastic



Why do you think that might be a problem?

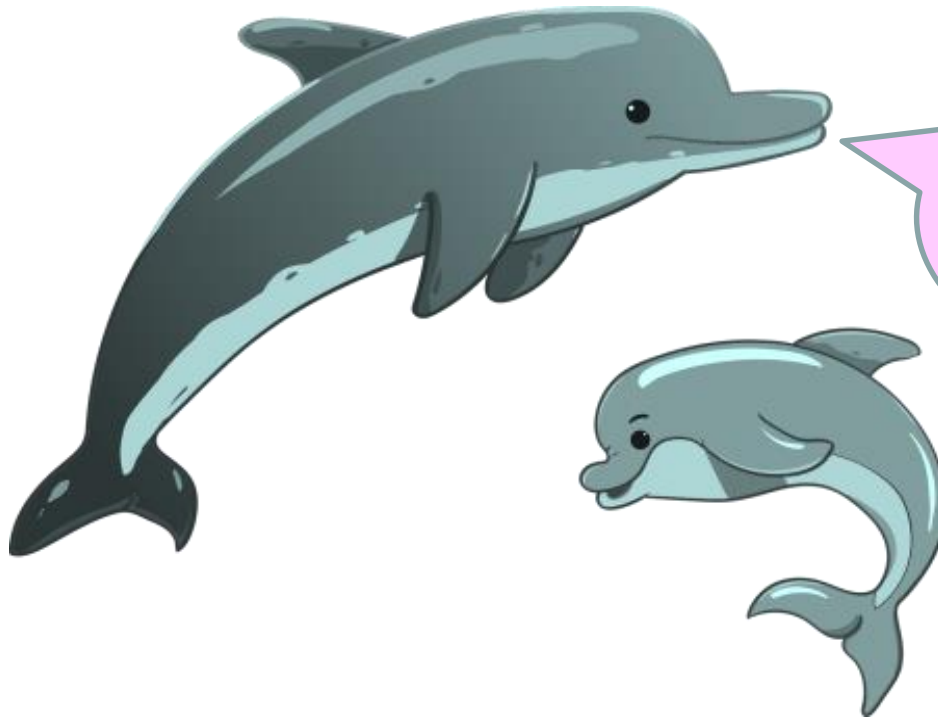
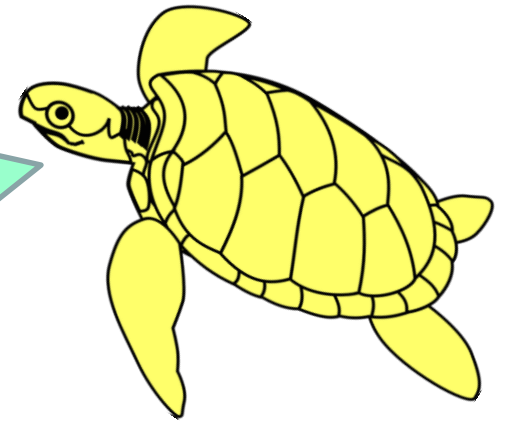


Is this **really** how we want our streets and beautiful beaches to look?



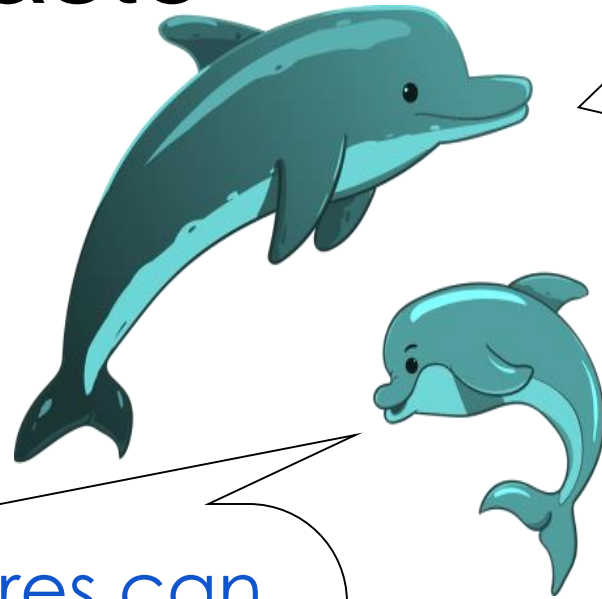
A million plastic bottles are bought worldwide,  
**every minute.**

Here are some of my  
ocean friends, the  
dolphins.



Hello boys  
and girls.

# Plastic waste



A lot of plastic waste ends up in the sea.

Sea creatures can get tangled up in it and die. Some think it's food. If they eat it, they could die too.

# Plastic waste

Plastic in the sea and in the oceans is a

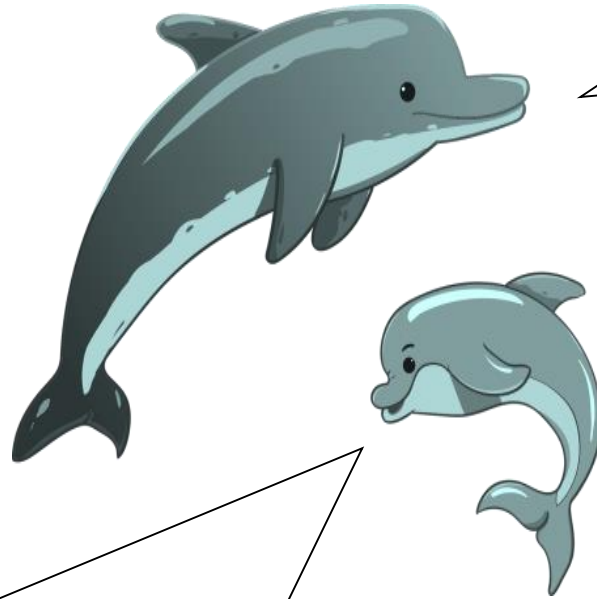
**HUGE**

problem.

We need our seas and oceans to be clean and healthy so that sea creatures and plant life thrive.

That benefits our own health and wellbeing too.

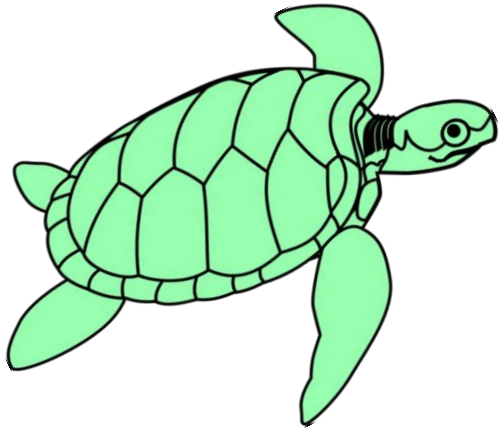
# Plastic



So, plastic is useful but we use too much of it.

The good news is –  
**YOU** can help.

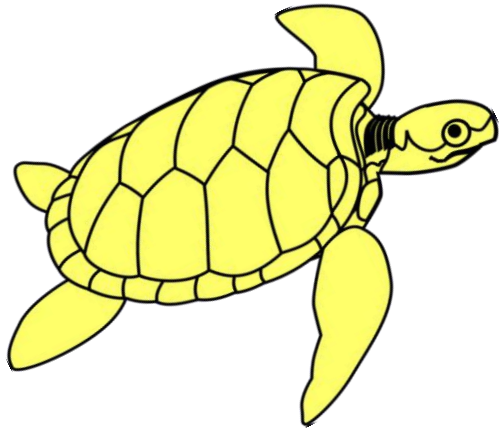
Here are 4 challenges for you:



Here's how you  
can help.

1. Re-use a bottle for drinking water.
2. Refuse to take a plastic straw for your drinks.
3. Take re-usable bags when you go shopping.

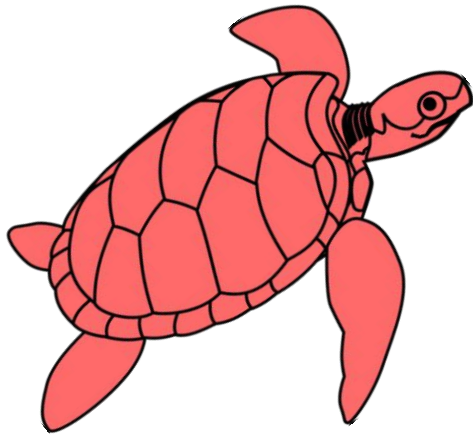




## The 4<sup>th</sup> challenge....

4. Do you really need that new plastic toy that will end up being thrown away in a few months, weeks or even days?

Perhaps you can re-use a toy by getting one from the charity shop which will be cheaper and a charity will benefit at the same time.



As a class, could you find ways of reducing and recycling your plastic in school? Such as....

- Finding ways to reduce the plastic in your lunchboxes or school dinners.
- Making sure any plastic tubs and milk bottles are recycled. Could you use a container that is not plastic instead?
- Did you know that you can recycle felt tip pens?

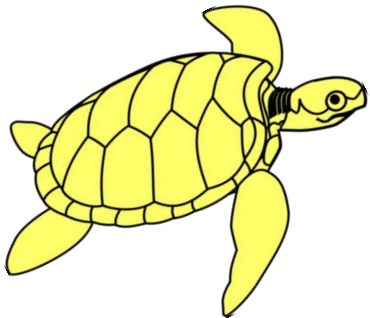
Also, when you are out, take your litter home to throw away or recycle.

Remember the  
3 rs.....



reduce, re-use, recycle.

1. Buy less plastic whenever you can.
2. Re-use what you already have.
3. When you can't do 1 or 2, recycle it.



Recycling plastic means  
that it can be made into  
other plastic items.

Did you know?....

All these items can be recycled by Wycombe District Council. Put them in your **blue** bin at home →

**But NOT these** →

<b>YES</b>	<b>Cartons</b>		Beverage Cartons (Soup, milk, juice etc)
	<b>Plastic food &amp; drink containers</b>	   	Bottles    Pots    Tubs    Trays
	<b>Household metal materials</b>	   	Foil    Aerosols    Bottle tops    Jar lids
	<b>Tins &amp; cans</b>	 	Food tins    Drink cans
	<b>Glass</b>	 	Bottles    Jars
<b>NO</b>	<b>Non-recyclable</b>	    	Plastic bags    Other plastic    Electrical items    All other glass    Rubbish

# Recycling

At home this is your blue bin. ↴

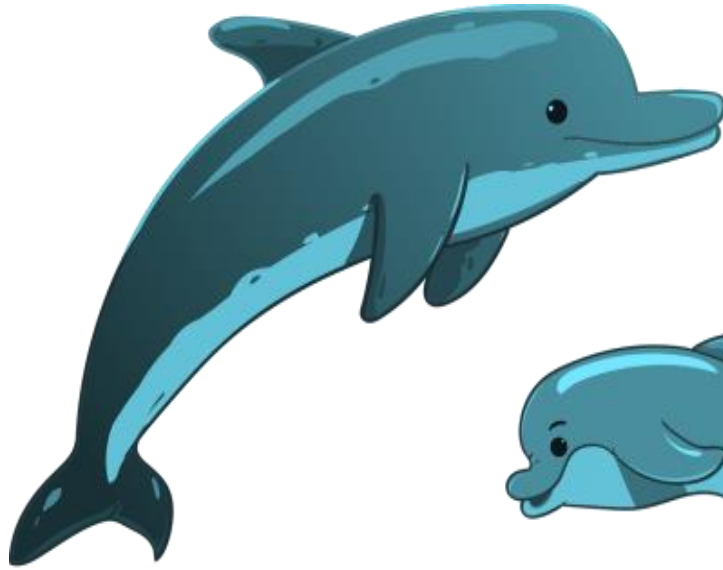
Do you have a plastic recycling bin in your school?

Don't forget to put your waste paper in the paper recycling bin.

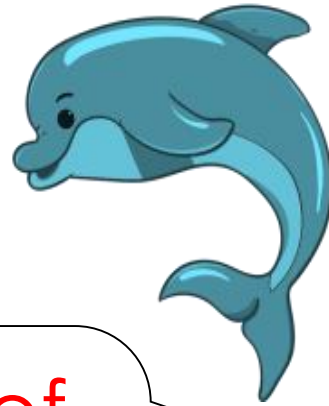


**Chiltern**  
District Council





Thanks  
very  
much.



Thanks from all of  
us and, remember,  
it's best for **YOU**  
too!

