

**Design Your Own Environmentally  
Friendly Packaging  
Lesson Plan – Key Stages 2 & 3**

# Skills that you'll use

- You will learn more about materials and their properties
- You will learn about key designs and their designers



## Materials needed

- Pencil or pen
- Some paper

### Optional task

- Scissors
- Colouring pens
- Cardboard
- Glue stick or double sided sticky tape



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# Activity plan

## Introduction (5mins)

Guy Jeremiah was on holiday in what he thought would be a paradise, but people's rubbish and littering made his paradise a very sad sight. Plastic bottles and other rubbish kept washing up on the shore and Guy knew that he had to do something about it.

When Guy returned home he contacted a design company to help him with his idea; a water bottle that you can carry in your pocket and refill when you're out and about. Guy had two big problems though: How can you get a water bottle in your pocket? Where can you get the water from?

Watch the Design Museum film about the Ohyo bottle to see Guy's solutions.



# Activity plan

## Discuss (5-10mins)

What plastic things do you own?  
How many of your toys are made from plastic?  
What alternative materials could you make your toys from?  
What non-plastic toys do you already have?  
What would be good about using a different material?  
What would be the problems of using a different material?

## Research (10 mins)

Find three types of food and drink packing.  
Make sure that they are different types of packaging (remember to ask permission first).  
Have a look at each piece of packing.  
How many parts are there to it (for example; your cereal box will have a plastic bag with the cereal in it inside the box, so that's two pieces of packaging).  
What materials are they made of?  
How many times are they meant to be used?



# Activity plan

## Activity (20 mins)

Pick one piece of packaging and design your own environmentally friendly version.  
Take a piece of paper and a pencil and draw your packaging.

Your packaging has to do the following:

- Protect the food inside it.
- Be as reusable or recyclable as possible.
- Be exciting and eye catching for shoppers so that it stands out in the supermarket.

Give your design labels to show what materials you'll make it from and any special features that it will have.  
Designers call these labels 'annotations'.

Now that you've made your very own environmentally friendly packaging share it with the Design Museum on social media with **#DesignFromHome**.



# Optional task

**Extra**  
**(1 hour)**

Use some cardboard to make a 3D model of your packaging.

Make sure you get an adult to help if you're using scissors.

Measure out your shape (if it's a box then you'll need all of the sides to be even) and decorate it before cutting it out and sticking it together.

Share your 3D package with the Design Museum on social media with **#DesignFromHome**.

