

## Design and Technology Task for pupils in year 7, 8 and 9

### Sustainability Task:

#### Task 1:

Go onto the following video clip

[https://www.youtube.com/watch?v=ZlmJYyj6SAY&list=PLg9ImTV4o86PabB\\_cV9ZGwhw58GtOWMTt&index=15&t=0s](https://www.youtube.com/watch?v=ZlmJYyj6SAY&list=PLg9ImTV4o86PabB_cV9ZGwhw58GtOWMTt&index=15&t=0s)

Watch it carefully and then produce a leaflet explaining all about Sustainability. Add images to explain what you are talking about.

Your leaflet should answer all the following questions on it:

- What are managed forests? Why are they good for the environment?
- How can we tell if wood comes from a managed forest- (hint: draw out any logos here).
- Why are trees so important for the environment?
- Why would manufacturers try to make products that don't damage the environment?
- What are most plastics made from and why is this bad for the environment?
- What is landfill?
- Why is putting plastics into landfill bad for the environment?
- What are bio polymers and why are they better for the environment than normal plastics?
- List the 6 R's and give an example of each one.
- What does a biodegradable material mean?
- Give 2 examples of bio degradable materials.

#### Task 2:

Look through the internet and at home to see if you can find products that have been made from waste materials. These can be called "up-cycled products".

Try to get at least 6 different products for each product:

- Draw it out.
- Add labels to say what it has been made out of?
- Explain why this product is good for the environment.
- Explain which of the 6R's are being addressed.

