

Main subject:
Product Design

Linked subjects:
1. Geography 2. Science

Year
7

Trophy Project : Materials Investigation

The aim of this extension task is to:

Develop your understanding about the impact on the environment of the materials we use in the project.

Why Not?
It's just for fun!

Context of task:

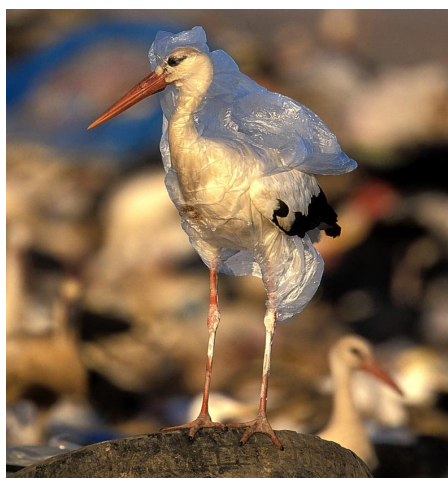
Your trophy is made from pine, acrylic and aluminium. These materials are produced, used to make your trophy and one day will be disposed of.



Designers have a responsibility to society to design with the environment in mind. In this task you will learn about where they come from and discover what impact their production and disposal has on our planet.

Questions / Issues to address:

1. These materials all have **natural origins**. What are they and where in the world do they mainly come from? Use a world map to illustrate the largest sources.
2. **Deforestation** is a global issue. Find out what is meant by this and explain why it is harmful for the earth. What can we do about this?
3. Most plastics are not **biodegradable**. What does this mean? Can you find examples of plastics that are biodegradable? How are they made, what are they used for and why is this beneficial to the environment?



Expectation (negotiable):

2 sides A4 . Word document.

Deadline:

End of module

Note to students:

It is not essential, but you are encouraged to extend this task into an area of your own particular interest . If you would like to do so, please discuss your ideas with your teacher.