

Week 1 TEXTILES

Year 9 tasks: Mood board

What is a mood board? A mood board is a range of pictures that overlap each other to form one large picture. There should be no gaps on your page in between your pictures.

Please see the example below.

Create 1xA4 mood board on one of the following topics based on which subject area you are currently studying in school at the moment. A minimum of 10 images please.

Areas of study

TEXTILES:

Products made from recycled plastic



Week 2 Textiles

Look at the work of this designer

- **TEXTILES:**
- Boyan Slat:
- <https://theoceancleanup.com/milestones/how-it-all-began/>
- What is this about? Summarise an understanding of this new idea and product, what does it do? Do you think this is effective?

Week 3 TEXTILES

The six Rs
Unit 4 Common specialist technical principles

What is sustainable design?

- Sustainable design aims to reduce any negative impact on the environment, people and the planet
 - This can be applied across all fields of design such as architecture, product and even systems design
 - What do the products below have to do with sustainability?
(Have a think and write a summary if you can)



The image shows six hands holding various objects against a white background. From left to right: a hand holding a ball of crumpled brown paper; a hand with a tattoo holding a brown egg carton; a hand holding a clear glass bottle; a hand holding a silver metal can; a hand holding a white incandescent lightbulb; and a hand holding a silver metal cup. A small red logo is visible in the bottom right corner of the image area.

Our responsibility

- Consumers, manufacturers and designers have a responsibility to buy and create designs that are as sustainable as possible
 - What will happen if we don't take our responsibility seriously?
 - Why do consumers and designers still make unsustainable decisions?



The six Rs

- The six Rs are a set of strategies used to help make more sustainable decisions as a consumer and as a designer:
 1. Refuse
 2. Rethink
 3. Reduce
 4. Reuse
 5. Repair
 6. Recycle

Worksheet 6R's Task 1

- Match the six R words to the correct definitions
 - The six Rs will help you to design and analyse products

Refuse	Revise the way a current product or system functions, either completely or partially. Solve the problem in a different way.
Rethink	Replace parts or design products to be fixed.
Reduce	Use something again and again. Repurpose or modify designs or parts to avoid disposal.
Reuse	Ask yourself if a given process or product is really necessary and avoid using it altogether.
Repair	Reprocess materials to be used again. Do not source materials from virgin resources.
Recycle	Use less, buy less, throw away less. Create design with fewer materials.

The six R's

Task 1

- Match up the six R words to the definitions below:
- Match the following statements to the correct R word or words:

- A lorry taking the shortest route to deliver a product

- Travelling only by bike to get to work

- Salvaging precious metals from electrical circuits

- Eating only organic or locally grown produce

- Choosing where you spend your cash carefully

- Changing business practices to decrease waste

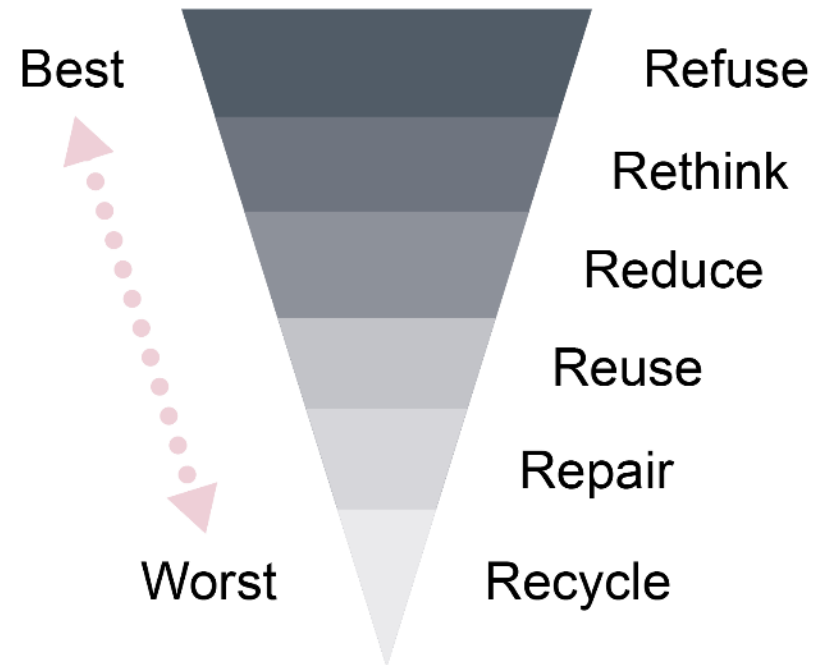
- Buying second-hand products

- Replacing a cracked smart phone screen

Hierarchy of sustainability

- Working our way down this hierarchy we can make more sustainable design and buying choices

- Why are Refuse and Rethink placed at the top?
- What's so bad about recycling?



- Answer these 2 important questions the best you can

Week 4

Year 9 task: Designer Brands and Sustainability in Textiles Mrs A

Areas of study

TEXTILES:

<https://www.youtube.com/watch?v=BtBLXII2FNE>

- **Watch** this video clip of Nike a few times first
- **Summarise** what is happening in the video in your own words?
- **Optional** – Make a new Design Idea using recycled plastic waste from bottles –what would your product be? Draw and label.

The six Rs
Unit 4 Common specialist technical principles

Case study: Nike

- The Nike Better World ethos aims to create products with lower environmental impact
 - Nike jerseys are made from recycled polyester which reduces environmental impact and diverts waste from landfill
 - Nike Grind manufactures new products from old shoes and waste materials Nike Flyknit trainers have knitted uppers which reduces waste during manufacture



Link Video Nike [1m41s].url

Week 5 Year 9 Areas of study TEXTILES:

Test your knowledge so far in the Plastic Ocean Project by having a go at these questions in any order

- Think about the 6R's – Name one and then explain how it could be incorporated into a new idea for a product?
- Name any fabric which is made using plastic? (1)
- Facts on plastic - Tick true statements cross false statements?
 - Burning of fossil fuels harmful for the atmosphere
 - Natural from plants
 - Oil based
 - Chemicals are added
 - Non finite source
 - It is biodegradable

Look at these products all made of plastic waste - analyse 3 using the questions

The most common type of recycled plastic is PET bottles. To be reused, the bottles are sorted, cleaned and stripped of labels and caps, melted down into little pellets and then spun into yarn to make garments.

From swimwear to snow wear and leggings to backpacks, some companies who are making something useful out of all of our plastic waste, and saving it from landfill.

