

Key spellings

- Sustainable
- Annotation
- Evaluation
- Specification
- Develop
- Reduce
- Suitable
- Upcycle
- Repair
- Dismantle



Can you spell these words and put them in a sentence?

Year 7 Design & Technology- Term 3

Upcycling

Upcycling is a type of recycling. When a product comes to the end of its life cycle, it is taken apart and its components / parts are reused to produce other products.



Old wellies made into planters in the garden.



Garden furniture made from wooden pallets.



Upcycling is environmentally friendly, as it means that whole products or dismantled products, are not 'dumped' in landfill sites.

The design process key terms



Can you remember at least 3 of the design key terms and what they mean?

The 6's of sustainability

Sustainable design is the process of designing products with the aim of them being environmentally friendly.

REDUCE

- This means using less non-renewable resources.
- Reduce the amount of energy used to transport products.
- Reduce the packaging used.



RECYCLE

- Buy/design products with recyclable materials that can be reformed / processed and made into a new products.



REUSE

- Where possible, we should reuse products or their components / parts when they are at the end of their life cycles.
- Products should be designed, so that their parts can be used again.



REFUSE

- Refuse to buy or use a product, if it is not environmentally sustainable.
- Refuse to buy a product that is over packaged, with non-recyclable materials.



RETHINK

- Rethink - when designing, consider manufacturing the product from sustainable materials.
- Rethink your lifestyle - Turn electrical devices off, when they are not in use.



REPAIR

- Only design products that are repairable.
- Only buy products that can be repaired / maintained. This will save you money in the long term and is kinder to the environment.



Can you identify the 6 R's of sustainability?

