Key spellings

Year 7 Design & Technology- Term 3

The 6'rs of sustainability

Sustainable

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



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

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.



Garden furniture made from wooden pallets.

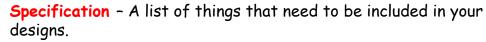


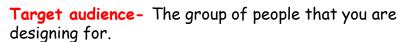
Old wellies made into planters in the garden.

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

The design process key terms

Design Brief - A short statement of intent.





Initial ideas - These are the drawings of your design ideas

Annotation - This is a detailed description that explains what part of a design is.

Evaluation - This is the process of identifying things that have gone well and what could be improved.

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

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-recyclab 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?











