

Design & Technology - Environment Around Us - Knowledge Organiser



Key Terminology:

Sustainability – “Avoidance of the depletion of natural resources in order to maintain an ecological balance.”

How humans consider the impact on the environment of the product they buy, consume and dispose of.

The 6 R's – Six easy to remember steps to consider when designing and making sustainably.

Recycle – When we process materials using machines to produce new materials of the same type.

Reuse – When we take a disused product and take it apart to use materials again.

Repair – When we fix a previously broken product to prevent throwing it into landfill.

Refuse – An approach where we refuse to buy unsustainable products.

Rethink – A designing strategy whereby we take new approaches to making in order to be more sustainable.

Reduce – Looking at ways to lessen the number of unsustainable materials or waste produced by a product or its packaging.

Pillar Drill:



Disk Sander:



Bench Hook:



Coping Saw:



Tenon Saw:



Hammer:



Vice:



Pins:



Possible Environmental product outcomes:

Wildlife Products Stone Bird Baths. Bird Feeding Stations. Bird Seed and Nut Feeders. Bird Tables. Squirrel Proof Cage Wild Bird Feeders. Seeds & Foods. Wildlife Houses & Bird Nest Boxes. Hedgehog Houses.