

In DT we are learning about... Structures - Can you make a zoo enclosure for an animal to relax in?

Key vocabulary

Structures - a building or object made from more than one part

Freestanding - something that can stand on its own

Support - something used to keep something standing

Weight - how heavy something is

Strong/stable - something that stays standing when weight or force is put on it

Rigid - not able to bend or change shape

Base - the bottom part of something

Materials - what something is made from

Layering - putting materials on top of each other

Purpose - How your product is going to be used

User - Who is going to be using your product

Characteristics needed for this topic:

- Resilience
- Imagination
- Problem solving

Sticky knowledge

- An animal enclosure is an enclosed space for keeping animals in.
- Freestanding structures are structures that can stand up without being attached to something else.
- Structures are more stable when they have a wider base
- Some materials are stronger and more rigid (stiffer) than others, e.g. card is stronger and more rigid than paper
- Folding or rolling paper/card into a tube makes it stronger
- Adding an extra layer of materials can make it rigid

Key Designers

Zoo enclosures
e.g. Chester Zoo

Links to previous learning

- Using one-handed tools such as scissors
- Exploring through play and joining more than one material together using glue or tape
- Talking about what I have made and how I made it

Year 1 - How to join materials together and make their product stronger

How Can I Join?



layering



folding



rolling into a tube

Aspirations

- Structural Engineer
- Zoo/habitat designer
- Conservationist