

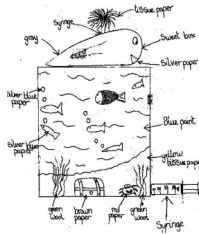
Year 2 Design and Technology: Structures

Key Learning

Design

I am designing a _____ for _____

My product will be _____



Make

Scissors cut some materials but saws are needed for stronger materials such as wood.



saw

The glue gun, screws, nails, sellotape and PVA glue can be used to join materials.

Evaluate

I think the product/ my product is successful because _____

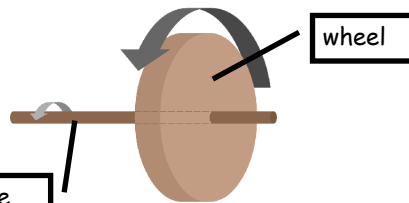
It would be better if _____

Technical Knowledge



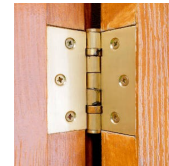
We can make our structures stronger by **laminating**. This is when you glue together several layers of material such as card or paper.

axle



wheel

Wheels and axles can be used to make things move.



Hinges can be used to make things open and close.

Types of wheels



Wood/card/mdf



Plastic



Cotton reels



Foam covered reels

There are different types of wheels made from different materials that can be used in vehicles.

Key Vocabulary

| | |
|------------|---|
| axle | The stick that passes through the centre of a wheel. |
| hinge | A hinge connects to parts to make something open and close. |
| laminating | Gluing several layers of material together to make the structure more stable. |
| saw | A hand tool for cutting hard materials. |
| stable | When an object will not turn over or give way. |
| stiffer | When a material is not easily bent. |