

Design a freestanding structure to keep the King safe.

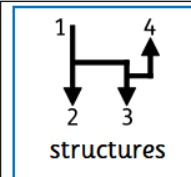
Y2 - Structures

Key Skills

- Identify an purpose for what they intend to design and make.
- Use technical vocabulary to label designs accurately.
- Build structures, exploring how they can be made stronger and more stable.
- Assemble, join and combine materials in order to make a product.
- Evaluate the effectiveness of a design against the design criteria.

Sticky Knowledge

- Structures are things that are built for a purpose.
- Structures are more stable when they have a wider base.
- Buttresses can also make a structure more stable. A buttress is something that is built against a structure to give it more stability.
- Some materials are stronger and more rigid.
- Structures can also be made stronger and more rigid by making sure that parts and materials are properly joined together.



structures

A structure is an arrangement of materials in an organised way. A building is a man-made structure.



freestanding

When a structure can stand up by itself without being supported.



base

The lowest part of a structure that gives strength and support.



layering

Arranging materials in layers to give strength.



strengthen

To make something stronger.



buttress

A structure built against a wall to strengthen and support it.