



DT – Year 1 Structures: Castles

Vocabulary

Tier 1	Tier 2	Tier 3
Structure	Weak/strong	Moat
Man-made	Mould	Buttress
Materials	Function	Defend
Strong	Stable	Rigid

Useful Resources

<https://www.youtube.com/watch?v=dGXkMVzZac0> - features of a castle

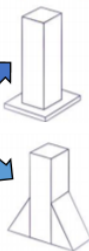
https://www.youtube.com/watch?v=xNeNpk4D_Ng - How to make a medieval castle

<https://www.twinkl.co.uk/homework-help/history-homework-help/castles-facts-for-kids/make-your-own-cardboard-castle> - How to make a cardboard castle

Key skills

Key skills include learning how to build structures, ensuring they are strong, stiff and stable

The buttress adds width to the base, making the structure more stable.

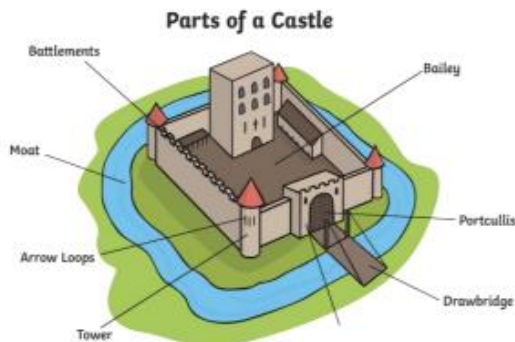


Why Were Castles Built?

Castles were built to:

- Control the surrounding area
- defend against enemy attack
- launch weapons to attack enemies

Key Visuals:



QR Code - Is the website for Nottingham Castle



We will learn to:

Design

- Design purposeful products for myself or other users.
- Generate and communicate ideas through talking and drawing.

Make

- Select from and use a range of tools.
- Select from and use a wide range of materials.

Evaluate

- Explore and evaluate a range of different castles
- Evaluate ideas and products against design criteria.
- Technical knowledge
- Build structures, exploring how they can be made stronger and more stable

What makes a strong, stable, rigid structure?

A structure that is less likely to fall over

-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 stability.

-Some materials are stronger and more rigid (stiffer) than others, e.g. card is stronger and more rigid than paper.

-Structures can also be made stronger and more rigid by making sure that parts and materials are properly joined together, e.g. with glue or tape.

-Folding and layering (adding an extra layer) of material can also be used to strengthen and stiffen structures.

