

Year: 3
 Term: Spring 1
 Topic: Structures - Constructing a castle

Where does this learning link to aspirations for the future?

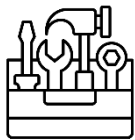
Sir Christopher Wren was the architect of Hampton Court Palace. You could design new buildings too!

In DT we follow this five step process.

Research



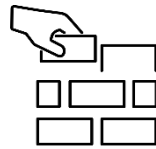
Skills



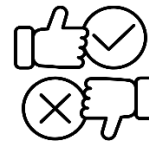
Design



Make



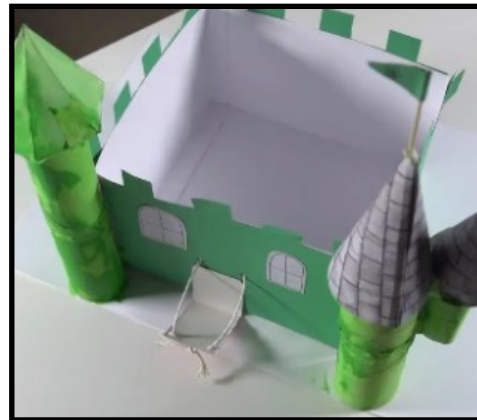
Evaluate



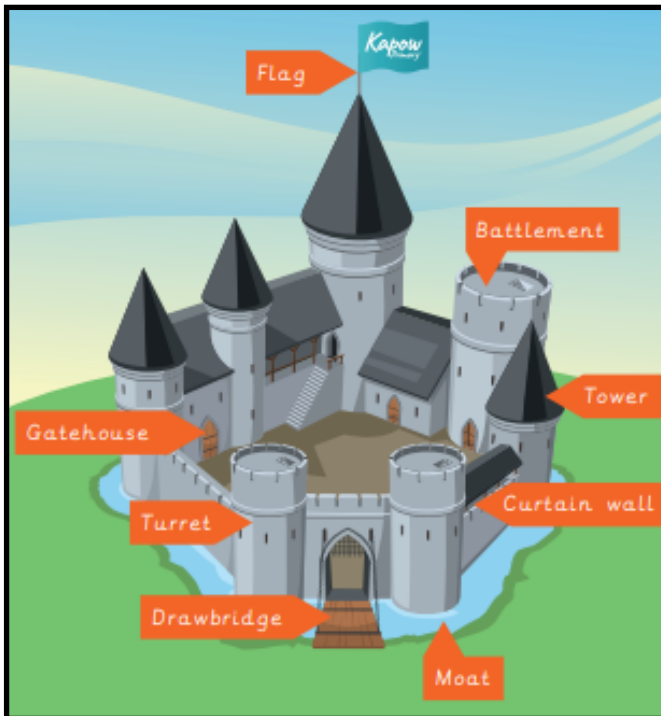
Castles can have lots of features such as towers, turrets, battlements, moats, gatehouses, curtain walls, drawbridges and flags.



Windsor Castle is the largest castle in England



3D shapes



Glossary

2D shapes

Flat objects with 2-dimensions, such as a square, rectangle and circle.

3D shapes

Solid objects with 3-dimensions, such as cube and sphere.

castle

A type of building that used to be built hundreds of years ago to defend land and be a home for Kings and Queens and other very rich people.

design criteria

A set of rules to help designers focus their ideas and test the success of them.

evaluation

When you look at the good and bad points about something, then think about how you could improve it.

facade

The front of a structure.

feature

A specific part of something.

flag

A piece of cloth used as a decoration or to represent a county or symbol.

net

A 2D flat shape, that can become a 3D shape when assembled.

recyclable

Material or an object that, when no longer wanted or needed, can be made into something else new.

scoring

Scratching a line with a sharp object into card to make the card easier to bend.

stable

Object does not topple over easily.

strong

It doesn't break easily.

tab

The small tabs on the net template that are bent and glued down to hold the shape together.

weak

It breaks easily.