End Points
Year 3 – Making a castle

What I know and can explain

- To understand that wide and flat based objects are more stable.
- To understand the importance of strength and stiffness in structures
- Designing a castle with key features to appeal to a specific person/purpose.
- Drawing and labelling a castle design using 2D shapes, labelling: -the 3D shapes that will create the features - materials needed and colours.
- Designing and/or decorating a castle tower on CAD software
- Constructing a range of 3D geometric shapes using nets.
- Creating special features for individual designs.
- Making facades from a range of recycled materials.
- Evaluating own work and the work of others based on the aesthetic of the finished product and in comparison to the original design.
- Suggesting points for modification of the individual designs

Useful vocabulary

2D shapes
3D shapes
castle
design criteria
evaluate
façade
feature
flag

net
recyclable
scoring
stable
strong
structure
tab
weak