Year 3
Tents

Research

Students will research and investigate joining two materials together

Students will investigate joining materials together.

Students will explore and investigate making a structure based on a 3D shape.

Student will need to create a material board

Design

Students will be able to create a range of design ideas for their tent.

Students will be able to label the key features of their designs.

Students will be able to respond to the feedback of their peers in order to developed their design ideas further.

Students will produce a prototype using card of their final design idea, which will inform their making.

Make

Students will measure and mark out the dowel (lollipop sticks) pieces.

Students will cut and sand the dowel to the correct length.

Students will measure the fabric of their tent.

Students will cut out the fabric to the correct length.

Students will cut out any other patterns to be featured on the tent.

Students will sew the patterns onto the fabric.

Students will see the fabric around the dowel to create the tent.

Students will attach the top of the tent together using an adhesive.

Evaluate

Students will evaluate the design work of their peers, explaining the feature they like and the features that they would like to see improved in the future.

Students will test their product to see how successful it is as a finished product.

Students will suggest ways in which their designs can be improved, should they do it again.

Students will answer a number of questions to evaluate their tent based upon different criteria.

Mood Board



Key Vocabulary

Aesthetics - Appreciation of an object's appearance and whether it is pleasing.

Prototype - A model which is made to test whether a design will work.

Needles - Range includes fine crewel needles, bodkins and tapestry needles.

Running Stitch - Stitches which do not overlap.

Function - The intended use of any product.

Mock-Up - A model which allows you to try out ideas using cheaper materials/temporary joints.

Related Mathematics

1 centimetre = 10 millimetres
100 centimetres = 1 metre

Interesting Websites

http://technologystudent.com/
http://www.mr-dt.com/

Famous Designers

Cath Kidston