

KNOWLEDGE ORGANISER – St Gregory’s RC Primary School

Topic: Design Technology

Year Group: 5 Autumn

Strand: Textiles - Combining Different Fabric Shapes

What I should already know	Sticky knowledge	Key skills
<ul style="list-style-type: none"> I know different fabrics have different properties which make them good for different purposes. I know how to join materials with a running stitch and over stitch. I know that sewing involves joining different textiles using a needle and thread. I know that some stitches also create an attractive looking seam. I know there are different stitches to join fabrics together. Some are easier and quicker, and some are more secure I know how to design an idea in depth by using annotated diagrams and sketches. I know how to evaluate a products functionality and appearance against its user, function and audience. 	<ul style="list-style-type: none"> I know how to make a prototype to modify my design brief I know how different designers have impacted on fabrics and products. I know that different textiles have been chosen for their properties linked to their purpose. I know how to use different stitching techniques for decoration, finishing and joining. I know about current issues within the textiles industry I know the 5 different types of textiles. I know how to use fabric pens within my pattern and design I know how textiles was manufactured locally and how the production of textiles has changed over time (Atlas Mill) 	<p>Designing:</p> <ul style="list-style-type: none"> I can communicate my ideas through detailed annotated drawings from different perspectives. I can produce a step-by-step plan which includes tools, fabrics and components needed. <p>Making</p> <ul style="list-style-type: none"> I can use a range of tools and equipment competently I can make a prototype before making a final version I can create a product using a pattern piece. <p>Evaluating</p> <ul style="list-style-type: none"> I can evaluate as I proceed with my work and at the final stage of the product in use. I can critically evaluate the quality, manufacture, functionality, and fitness for purpose while considering others’ opinions. I can investigate key events and individuals in design and technology <p>Technical knowledge</p> <ul style="list-style-type: none"> I can use seam allowance when sewing. I can create 3D textiles using a pattern piece I understand and apply seam allowance I can pin and tack fabric pieces together I can combine a variety of materials (including zips) by using a variety of stitches (running, cross , blanket, stitch, whip stitch)
<p align="center">Design brief</p>		
<p>Can you design and make a fabric class advent calendar that can be used each year to help your class prepare for Christmas?</p>		

Vocabulary

Annotate	Adding notes to a diagram to give information or to explain
Criteria	A set of standards that a product has or has not achieved
Fastenings	Something that joins two or more objects together.
Hem	The edge of a piece of cloth which has been turned under and sewn.
Pattern pieces	Templates of individual parts which will make the product when joined together.
Reinforce	To strengthen or support something with extra material
Right side	The printed side or pretty surface of the fabric.
Seam	A line where fabric is sewn together in a garment.

Diagrams/Pictures