



Useful Websites:

pasta etc.

pulses, lentils

oil, olive oil etc.

Carbohydrates

Protein

Fat

http://www.foodafactoflife.org.uk/site.aspx?siteId=19&t=3 https://www.bbc.com/food/techniques https://www.ifst.org/lovefoodlovescience/resources

rubbing in.

Chemical - Bicarbonate of soda. baking powder, S.R.flour.



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Year 8 Graphic Products Mug Project Essential Knowledge Sheet.

Key Term	Definition	
Vanishing Point	Point(s) at which all lines in a perspective drawing appear to meet.	
Horizon	The line on which the vanishing point(s) sit.	
Logging	The harvesting of trees for paper production.	
Deforestation	The removal of large areas of forest.	
Pulp	Wood fibre reduced chemically or mechanically to pulp used in the manufacture of paper.	
Raymond Loewy	'The father of industrial design'- Loewy is famous for designing logos such for Shell and BP. He is also famous fo	
	'streamlining' the design of vehicles.	
Typeface	A set of fonts with shared characteristics.	
Serif	A typeface with 'feet', or 'flicks' at the end of the letters stems. SERIF	
Sans Serif	This typeface has no feet or flicks (just like the letters you are reading now!) SANS SERIF	
Script	This typeface will have a handwritten look- think 'Coca Cola'.	
Decorative	This typeface will be designed to have a theme incorporated into it. Decorative	
Wordmark Logo	A logo consisting of only lettering.	
Symbolic Logo	A logo consisting of only images.	
Sublimation	The process of transferring a printed image onto an item. The process uses heat to evaporate ink which	
	condenses when it hits the surface of the object to be printed onto.	
Heat Transfer Paper	r Special paper used in the sublimation process. Dye particles sit on the top surface of the paper, the water from	
	the de is absorbed into the second layer of the paper.	
Polymer Coating	A polymer coating (plastic) that absorbs the evaporated ink during the sublimation process.	



RESISTANT MATERIALS



RESISTANT MATERIALS



Timbers: Stock Forms, Types & Sizes

and thicknesses. Measurements are usually listed as length × width × thickness (mm) Planed Timber

Timber is available rough-cut and planed. Planed timber is smoother than rough-cut timber, but it is also more expensive.

Planing removes around 2–3 mm of material

rom each side of the timber, so planed timbe

Planks, Boards & Strips

Timber planks, boards and strips are available in a range of stock sizes, with set lengths, widths





TEXTILES

(C)

Fabric	Advantages	Disadvantages	Y8 Design Te Essential Kno
Plain Weave Cotton	Breathable, Lightweight, Biodegradable, Easy to care for, Absorbent (good for dying)	Takes a long time to dry	
Cotton Velvet	Insulating, Soft, Luxurious sheen.	Difficult to care for, Not very durable.	Poly
Polyester (Synthetic)	Strong, Durable, Drapes Well, Hydrophobic (does not absorb water) so quick drying, Easy to care for, Pleats/shapes can be set with heat-good for adding structure, Diagonal pattern on surface of fabric can be used to create patterns, Cheap to purchase as manmade.	Polyester can melt or misshape with high temperatures. Take care with aftercare.	F
Cotton Terry Towelling	Very absorbent due to the loops (takes a long time to dry), Interesting surface texture, Soft	Loops can snag. Takes a long time to dry.	Crisp Packets
Satin (Synthetic)	Lustrous shine, Drapes well, Strong, Durable, Pleats/shapes can be set with heat-good for adding structure, Hydrophobic (does not absorb water) so quick drying,	Can snag easier than other weaves so not suitable for everyday wear.	
Knitted Wool	Insulating, Soft, Absorbent Natural elasticity, Lots of texture.	Takes a long time to dry, Heavy when wet, Expensive.	V
Lace	Breathable, Absorbent, Lightweight, Easy to clean, Biodegradable, Lots of variations of intricate designs (good to add pattern and texture), Areas of pattern alongside sheer areas.	Delicate to work with. Can snag or pull easily.	Zip
Cotton Jersey knit	Breathable, Stretchy Soft, Lightweight, Absorbent, Biodegradable, Crease Resistant	It doesn't retain its shape well when over stretched. Unravels if cut or snagged as made from one continuous yarn.	Sec. Cor
Cotton Denim	Breathable, Biodegradable, Easy to care for, Absorbent (good for dying), durable, diagonal twill surface adds pattern and texture.	Expensive, no stretch, heavy when wet, slow drying.	Bells and Squeakers
Cotton Corduroy	Insulating, Soft, Biodegradable, Absorbent (good for dying), different cord thicknesses are available.	Medium durability, the pile cord can wear down with abrasion, takes a long time to dry.	



TEXTILES

Decorative Technique	Description	Y8 Design Technology:Textiles
Machine Applique	Applique is completed on a sewing machine using a C2 zig zag stitch. Applique adds texture and interest to products, and completing it by machine is quicker and the applique will be more durable. You can complete both 2D applique (lies flat to the product) and 3D applique (applique which protrudes from the surface such as ears, legs, a tail etc.) on a sewing machine.	Essential Knowledge Organiser
Hand Applique	When applique is completed by hand sewing. Hand applique can only be used to produce 2D applique. Stitches should overlap the raw edge for durability, to reduce fraying and for an aesthetically pleasing finish. Stitches can be a contrasting colour to add decoration. Applique adds texture and interest to a product.	ading the m
ABC O CAD/CAM Embroidery	CAD/CAM (Computer Aided Design/Computer Aided Manufacture) Embroidery is an automated process to produce quick, durable and professional embroidery stitches. In manufacture of toys it is used for motifs, decorative stitches and elements such as facial features to add durability but also to reduce the risk of choking on potential choking hazards. In school we can use CAD/CAM embroidery machines t produce letters and numbers.	And
Hand Embroidery	Hand embroidery is a method of producing intricate stitches which add texture and decoration. Stitches can lie flat or be 3D dependent on the stitch selected. You will need an embroidery hoop, embroidery needle and embroidery threads to complete it to a high standard. A variety of patterns and texture can be added to your work using hand embroidery, it also works well combined with decorative embellishment. The key for a high quality finish is even length stitches and good stitch tension!	 Machine Applique Stitch=C2 Should overlap raw edge Reverse when you start and end for durability
Decorative Empellishment	Decorative embellishment is where you sew sequins and beads onto a fabric to add decoration, pattern and texture. We do this technique by hand sewing each one individually to build up to a desired pattern. Decorative embellishment can be time consuming and quite fiddley so you need to concentrate but its worth the effort when you see the finished result!	Seams • Stitch=A2 (straight) C2 (Zig Zag) • Straight stitch 1cm from the raw edge • Zig zag stitch along the raw edge to prevent fraying • Reverse when you start and end for durability