FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
 Talk about the materials they use. Name scissors, tape and glue. Select appropriate material by size. Use construction toys. Discuss work. 	Follow verbal instructions • Explain what they are making and which		made to give starting • Draw/sketch product understand how product • Think ahead about to and decide upon tools • Plan a sequence of a product • Record the plan by o sketches) or writing • Develop more than o of an initial design • Propose realistic sug can achieve their design	ts to help analyse and ucts are made he order of their work and materials octions to make a drawing (labelled one design or adaptation gestions as to how they	 Investigate products/ir Sketch and model alter Develop one idea in de Combine modelling an ideas Plan the sequence of wateryboard Record ideas using ann Use models, kits and deformulate design ideas Make prototypes Use found information Use a computer to model of the production Use a report using convocabulary 	rnative ideas epth d drawing to refine work using a notated diagrams rawings to help to inform decisions del ideas be read/followed by

Sheet Materials							
FS Using glue, tape and masking tape. Using card, paper and cardboard. Cutting skills using paper. Using scissors.	Year 1 Fold, tear and cut paper and card. Cut along lines straight and curved. Curl paper. Use simple pop ups. Use a hole punch. Insert paper fasteners for card. Create hinges.	Year 2 Roll paper to create tubes. Investigate strengthening sheet materials. Investigate joinings temporary, fixed and moving.	 Year 3 Year 4 Use lolly sticks and card to make levers and linkages. Use linkages to make movement larger or more varied. Plan a sequence of actions to make a product. Record the plan by drawing using annotated sketches. Use tools with accuracy. Select from techniques for different parts of the process. Begin to use cross-sectional and exploded diagrams. Investigate similar products to the one to be made to give starting points for a design. Research needs of user. Cut slots. Cut internal shapes. Use and explore complex pop ups. Create nets. 	 Year 5 Year 6 Cut slots Cut accurately and safely to a marked line. Use a craft knife, cutting mat and safety ruler under 1:1 supervision if appropriate. Choose an appropriate sheet material for the purpose. 			

<u>Construction</u>						
FS Use PVA, glue stick and tape to join materials. Join 3D boxes. Draw around a template.	 Year 1 Join appropriately for different materials and situations e.g. glue and tape. Mark out materials to be cut using a template. 	 Year 2 Make vehicles using construction kits which contain free running wheels. Use a range of materials to create models with wheels and axles (tubes, dowel, cotton reel) Attach wheel to chassis. Cut dowel using a hacksaw and bench hook See glue gun used by an adult. 	 Year 3 Use linkages to make movement larger or more varied. Use tools with accuracy. Select from techniques for different parts of the process Research needs of user. Create shell or frame structures, strengthen frames with diagonal struts. Prototype frame and shell structures. Measure and mark square selection, strip and dowel accordingly to 1cm. Use glue gun with close supervision. 	Use tools with accuracy. Select from techniques for different parts of the process. Use lolly sticks and card to make levers and linkages. Use electrical systems such as switches, buzzers and bulbs Incorporate a circuit with a bulb or buzzer into a model.	Year 5	Pear 6 Devise step-by-step plans which can be followed by someone else. Cut safely and accurately to a marked line. Research and evaluating existing products (including book and web based research). Consider and explain how the finished product could be improved. Use appropriate finishing techniques for the project. Refine their product-review and rework. Discuss how well the finished product meets the design criteria of the user. Test on the user! Make quality products. Cut strip wood, dowel, square section wood accurately to 1mm. Join materials using appropriate methods. Use brawdawl to mark positions. Use hand drill to drill tight and loose fitting holes. Use exploded diagrams to communicate ideas. Use mechanical systems such as cams, pulleys and gears. Use electrical systems such as motors. Program, monitor and control using ICT Incorporate motor and switch into a model. Build frameworks using arrange of materials. Use glue gun with supervision.

<u>Food</u>								
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6		
Introducing new tastes, smells and flavours in food tasting. Daily snack times. Simple baking and food preparation under supervision. Basic food hygiene. Experimenting with weighing and measuring via maths.	 smell, texture and Group familiar proceed vegetables. Explain where food Cut, peel, grate, che ingredients. Work safely and hy 	ducts e.g. fruit and comes from. op and range of gienically. ed for variety of foods	 Make healthy eating choices using the eatwell plate. Develop sensory vocab/knowledg e using smell, taste, texture and appearance. Analyse taste, texture, smell and appearance of a range of foods. Use tools with accuracy. Select from techniques for different parts of the process. Join and combine a range of ingredients. Work safely and hygienically. Explore seasonality of veg and fruit. Begin to use cross-sectional and exploded diagrams. Investigate similar products to the one to be made to give starting points for a design. Research needs of use 	 Make healthy eating choices using the eatwell plate. Develop sensory vocab/knowledge using smell, taste, texture and appearance. Analyse taste, texture, smell and appearance of a range of foods. Use tools with accuracy. Select from techniques for different parts of the process. Join and combine a range of ingredients. Work safely and hygienically. Explore seasonality of veg and fruit. Begin to use cross-sectional and exploded diagrams. Investigate similar products to the one to be made to give starting points for a design. Research needs of user. 	 Prepare food products taking into account the properties of ingredients and sensory characteristics. Taste a range of ingredients, food items to develop a sensory food vocabulary for use when designing. Weigh and measure using scales. Cut and shape ingredients using appropriate tools. Join and combine foods ingredients appropriately e.g. beating, rubbing in. Select and prepare foods for a purpose. Work safely and hygienically. Show awareness of a healthy diet using eatwell. Use a range of cooking techniques. Know where and how ingredients are grown and processed. Consider influence of chefs such as Hugh F.W. and sustainable fishing. Devise step by step plans which can be followed by someone else. Decide which idea to develop. Use researched information to inform decisions. 	 Prepare food products taking into account the properties of ingredients and sensory characteristics. Weigh and measure using scales. Select and prepare foods for a purpose. Taste a range of ingredients, food items to develop a sensory food vocabulary for use when designing. Cut and shape ingredients using appropriate tools. Join and combine foods ingredients appropriately e.g. beating, rubbing in. Decorate appropriately. Work safely and hygienically. Show awareness of a healthy diet using eatwell. Use a range of cooking techniques. Know where and how ingredients are grown and processed. (Consider influence of chefs such as Hugh F.W. and sustainable fishing.) 		

<u>Textiles</u>							
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	
Cutting materials with scissors. Using staplers and glue. Decoration with stickers and beads.	 Cut out shapes which have been created by drawing around a template onto fabric. Join fabrics by using running stitch, glue, staples, over sewing, tape. Decorate fabrics with attached items such as buttons, beads, sequins, braids, ribbons. 	Colour fabrics using a range of techniques fabric paints, printing, painting. Decorate fabrics with attached items such as buttons, beads, sequins, braids, ribbons.	IN ART: Understand seam allowance. Join fabrics using running stitch, over sewing, blanket stitch. Prototype a product using J cloths. Use appropriate decoration techniques. Understand the need for patterns. Create a simple pattern.	 Develop vocabulary for tools materials and properties. Understand seam allowance. Join fabrics using running stitch, over sewing, blanket stitch. Prototype a product using J cloths. Use prototype to make a pattern. Explore strengthening and stiffening of fabrics. Explore fastenings and recreate some. Sew on buttons and make loops. Use appropriate decoration techniques. 	Use the correct vocab appropriate to the project. Create 3D products using pattern pieces and seam allowance. Pin and tack fabric pieces together. Join fabrics using oversewing, back stitch, blanket stitch or machine stitching. Combine fabrics to create more useful properties. Decorate textiles appropriately before joining. Combine fabrics to create more useful properties. Decorate textiles appropriately before joining. Combine fabrics to create more useful properties. Develop one idea in depth. Cut safely and accurately to a marked line. Sketch and model alternative ideas. Research and evaluating existing products (including book and web based research). Consider user and purpose. Use appropriate finishing techniques for the project. Refine their product-review and rework. Make quality products.		

<u>Evaluating</u>									
FS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6			
Communicate about what they have made. Express feelings about own and others' work.	Say what they like and do have made and attempt to Talk about their designs a identify good and bad poin Talk about changes made process Discuss how closely their their design criteria	say why as they develop and ats e during the making	 Identify the strength their design ideas Decide which design Consider and explair product could be impr Discuss how well the meets the design crite meets the needs the needs 	idea to develop how the finished roved e finished product ria and how well it	Use the design criteria to decisions about ways to Justify their decisions methods of construction. Reflect on their work stating how well the deneeds of the user. Identify what does and the product. Make suggestions as becould be improved.	proceed about materials and n using design criteria sign fits the d does not work in			