# **DT CURRICULUM PROGRESSION MAP**

Mr Carr

# **Belthorn Academy Primary School**

## **DT Curriculum**

#### DT intent

The intention of the DT curriculum at Belthorn Academy is to nurture and promote creative thinkers who are equipped with the necessary knowledge and skills needed to solve the designing needs of the world in which they live. Through well planned sessions, which expose learners to working with a range of materials in a variety of relevant contexts, teachers aim to develop children's confidence to tackle larger projects in a systematic and planned way. Children will be able to take calculated risks. By designing and making quality products based on the needs of others, children will become confident in their own abilities, take ownership of their learning and be confident in the knowledge that success comes from mistakes. They will develop a sense of achievement and pride and discover areas of interest that may contribute to their futures.

### **Character Education**

Our school values seek to ensure that through our curriculum we teach our children to be ambitious, passionate, kind, confident, happy, safe, valued, resilient and accepting. These values permeate through everything we do as a school.

We promote Character Education in History through the following:

- Critical thinking when designing and evaluating their products
- Ambition and Resilience attempting new skills and persevering when things go wrong
- Communication articulating how they want their finished product to look and why

In addition, Design and Technology education provides a number of opportunities to develop pupils' character through visits, visitors and discussions around careers:

- Visits to local industries
- external visitors including: local architect, environmentalists, builders, local chefs
- Career discussions about: building, designing, kitchen work, tailors, engineering,
- Clubs: Baking, Cooking, Lego club, sewing club,

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2					
Nursery	The pre-school DT curriculum focuses on developing physical skills necessary for handling and manipulating simple tools, materials and resources. Activities revolve around exploration and are subject to the interests of the cohort and aim to equip learners with confidence to engage and take calculated risks.										
Reception	Fundam	nental skills	Coo	king							
Year 1		<b>truction</b> ys – peg dolls	Sewing Hand puppets	Cooking Fresh produce	Design and Technology not						
Year 2		ewing ed soft toys	Construction Inventions to take care of where we belong	Cooking Festive family foods							
Year 3	Conservi	ooking ng food and ources	Sewing Keeping things safe on holiday	Construction Models with lights	taught in Su	mmer term.					
Year 4		<b>truction</b> tric cars	<b>Cooking</b> European food	<b>Sewing</b> Flags							

Y	ear 5	<b>Cooking</b> Feeding people	Construction Levers and linkages - Bridges	<b>Sewing</b> T-shirt design
Y	ear 6	<b>Cooking</b> Great British bake off	Construction Cam toys	Sewing Being unique

			Pre-School		
	Curriculum Content Skills and knowledge	Key vocabulary	Authentic outcome	Cultural Capital/ SMSC / British Values	Evidence
Pre-School should have constant access to areas that enable learners to develop fundamental skills throughout the year.	Fine motor skills needed to use scissors to cut paper and card  Explore other joining methods eg gluing, taping and stapling.  Handling a range of materials and exploring their properties.  Developing spatial awareness through using a range of construction toys.  Develop interest and enjoyment in mixing ingredients to bake and cook.  Following simple verbal instructions.	Cut Snip Join Scissors Chop Fold	Children make a variety of items throughout the year as part of celebrations in their own and others' cultures  Discussions are based on personal experiences	Discussions about personal likes and dislikes develops their sense of self.  Children explore items from a range of cultures.  Children are encouraged to explore the world around them and begin to consider how things are made.  Through looking at products from around the world, children can develop their sense of awe and wonder	Floor book Wall displays Photograph on the iPad.

	<u>Reception</u>											
	Curriculum Content Skills and knowledge	Key vocabulary	Authentic outcome	Cultural Capital/ SMSC / British Values	Evidence							
	Fine motor skills needed	Cut	Children make a	Discussions about personal	Floor book							
Pupils in	to use scissors to cut	Snip	variety of item	likes and dislikes develops								
Reception should	paper and card	Join	throughout the year	their sense of self.	Wall displays							
have constant		Scissors	as part of									
access to areas	Explore other joining	Chop	celebrations in their	Children explore items	Photographs on the							
that enable	methods eg gluing,	Fold	own and others'	from a range of cultures.	iPad.							
learners to	taping and stapling.	Stir	cultures									
develop		Staple		Children are encouraged to								
fundamental skills	Handling a range of	Fabric	Discussions are	explore the world around								
throughout the	materials and exploring	Material specific	based on personal	them and begin to consider								
year.	their properties.	vocab.	experiences	how things are made.								
Reception												
progresses on	Developing spatial			Through looking at								
from nursery in	awareness through			products from around the								
aspects of	using a range of			world, children can								
independence	construction toys.			develop their sense of awe								
and with a little				and wonder								
more structure	Develop interest and											
for given tasks.	enjoyment in mixing											
Opportunities	ingredients to bake and											
should be taken	cook.											
to discuss and use												
wider vocabulary.	Following simple verbal											
	instructions.											

			Year 1			
Term	Unit Name	Procedural knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/ SMSC / British Values
Autumn	Simple toys	Join appropriately for different materials and situations e.g. glue and tape.  • Mark out materials to be cut using a template.	Simple knowledge of material properties. How to join materials using the most appropriate methods. Correct, safe use of scissors	Material Cut tear join fasten measure	Using real people as a user for their toy. Toys can be given as a gift	Learning to consider others needs and wants Exploration of toys from times in history as well as from other cultures and backgrounds.
Spring 1			Properties of some fabric Selecting correct tools	Running stitch Seam Fabric Needle Thread sequins	Puppets used for story telling in EYFS	Understanding how toys and life has changed
Spring 2	Fresh produce	ribbons.  Develop a food vocabulary using taste, smell, texture and feel.  Group familiar products e.g. fruit and vegetables.	Know where some food comes from Understand the need for variety of foods in a diet.	Nutrition Healthy Fruit Vegetable Hygiene Texture	Parents open morning where they are able to come in and sample the children's food	Understanding of healthy living choices and how these can affect wellbeing.

	<ul> <li>Cut, peel, grate, chop and range of ingredients.</li> <li>Work safely and hygienically.</li> <li>Measure and weigh food items, non - statutory measures</li> </ul>			Origin	Surveys ar within sche what peop like/dislike	ool to see ole	
	e.g. spoons, cups.		Heine Materials			Fueluetin	_
	Developing, planning and		Using Materials Fold, tear and cut page	or and card		Evaluatin	<b>g</b> at they like and do not like about
	communicating ideas		• Cut along lines stra			· ·	y have made and attempt to say
	Follow verbal instructions •Explain what they are making and w	nich	• Curl paper.	igiit aiiu cui veu	why	y have made and attempt to say	
	materials they are using	IICII	<ul> <li>Use simple pop ups.</li> <li>Use a hole punch.</li> </ul>			Talk about their designs as they develop	
	, -	Name the tools they are using				and identify good and bad points	
	Describe what they need to do next		<ul><li>Insert paper fastene</li><li>Create hinges.</li></ul>	2.3.10. 00.0.			out changes made during the
	Select materials from a limited range					making p	
	will meet the design criteria						how closely their finished
	Select and name the tools needed to	work				products	meet their design criteria
	the materials						
Constant	Select appropriate technique explain	ning					
Skills	FirstNextLast						
	Explore ideas by rearranging materi						
	<ul> <li>Model ideas with kits, reclaimed ma</li> <li>Select pictures to help develop idea</li> </ul>						
	Use pictures and words to convey warms.						
	they want to design and make	IIat					
	<ul> <li>Describe their models and drawings</li> </ul>						
	ideas and intentions						
	Use kits/reclaimed materials to devel	elop an					
	idea	•					
	<ul> <li>Use drawings to record ideas as the</li> </ul>	y are					
	developed						

	Discuss their work as it progresses	
	<ul> <li>Add notes to drawings to help</li> </ul>	
	explanations	

		Υ	ear 2			
Term	Unit Name	Procedural knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/SMSC/ British Values
Autumn	Recycled soft toys	<ul> <li>Join fabrics using running stitch, over sewing, blanket stitch.</li> <li>Prototype a product using J cloths.</li> <li>Use appropriate decoration techniques.</li> <li>Understand the need for patterns.</li> <li>Create a simple pattern.</li> </ul>	Appropriate tools for cutting A range of stitching techniques Understand seam allowance.	Sustainable Recycle Seam allowance Stuffing Blanket stitch Embroidery Prototype pattern	Links to the whole school Geography aim to increase sustainability.	
Spring 1	Mobile Inventions to help the environment	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  • use glue gun supervised by an adult.	Understand how structures can be strengthened  Secure knowledge of cutting materials  Understand that different methods can be used to achieve the same outcome.	Chassis Axle Dowel		

Spring 2	Festive Family Foods	<ul> <li>Group familiar products e.g. fruit and vegetables.</li> <li>Cut, peel, grate, chop and range of ingredients.</li> <li>Work safely and hygienically.</li> <li>Measure and weigh food items, non - statutory measures e.g. spoons, cups.</li> </ul>	stand the or variety of n a diet op a food ulary using smell, e and feel.	Texture Peel Grate	Visits to or culture se External v in to explo cooking in different cultures.	ttings isitors ore		
				where omes from.				
Constan Skills	Follow verbal instruct Explain what they are Name the tools the Describe what the Select materials from Select and name the Select appropriate Explore ideas by ree Model ideas with kees Select pictures to he Use pictures and with the Use pictures and with the Describe their model ideas with the Use drawings to ree Discuss their work	ey are using y need to do next om a limited range that will meet the des ne tools needed to work the materials technique explaining FirstNextLast earranging materials cits, reclaimed materials nelp develop ideas vords to convey what they want to design dels and drawings of ideas and intentions materials to develop an idea cord ideas as they are developed	using sign t	Using Mater Fold, tear ar  Cut along Curl paper  Use simple punch.	nd cut paper and of lines straight and of lines straight and of lines straight and of lines are pop ups. • Use a contract of the lines are fasteners for contract of lines are straight and lines are straight	l curved a hole	not like have m say wh • Talk a they do good a • Talk a during • Discufinishe	hat they like and do e about items they nade and attempt to

			Year	. 3		
Term	Unit Name	Procedural knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/ SMSC / British Values
Autumn	Conserving and preserving food and resources	<ul> <li>Develop sensory vocab/knowledge using smell, taste, texture and appearance.</li> <li>Analyse taste, texture, smell and appearance of a range of foods.</li> <li>Use tools with accuracy.</li> <li>Select from techniques for different parts of the process.</li> <li>Join and combine a range of ingredients.</li> <li>Begin to use cross - sectional and exploded diagrams. Research needs of user.</li> </ul>	Work safely and hygienically.  Understand seasonality of fruit and veg.  Make healthy eating choices using the eatwell plate.  Understand how to use existing products as a starting point for design ideas.	Seasonality User Preserving Stewing Salting Prolong Seal Sustainable		Promoting independence in preparing food
Spring 1	Keeping things safe on holiday	Develop vocabulary for tools materials and properties.  • Join fabrics using	Understand seam allowance.  Use prototype to make	Stiffening fabric Seam allowance		
	on nonday	running stitch, over	a pattern.	Blanket stitch		

		sewing, blanket stitch.  • Prototype a product using J cloths.  • Explore strengthening and stiffening of fabrics.  • Use appropriate decoration techniques  • Use tools with	Can re fasteni Unders approp	stand the most oriate stitch for	Over stitch Fleece Cotton Wool Thread Eye (needle)	Visit from	an	Discussed the different	
Spring 2	Models with lights (Houses)	accuracy. • 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	Can se tools a for diff the pro	lect different and techniques ferent parts of	Circuit Prototype	architect.	u.,	opportunities for employment that comes from designing houses.	
Constant Skills	ideas • Investigate sin	eveloping, planning and communicating eas Investigate similar products to the one to be			<ul> <li>Using Materials</li> <li>Use linkages to make movement larger or more varied.</li> <li>Plan a sequence of actions to make a</li> </ul>			Evaluating Identify the strengths and weaknesses of their design ideas  • Decide which design idea to develop	
	made to give st	arting points for a design	า	product.				r and explain how the finished ould be improved • Discuss how	

- Draw/sketch products to help analyse and understand how products are made
- Think ahead about the order of their work and decide upon tools and materials • Plan a sequence of actions to make a product
- Record the plan by drawing (labelled sketches) or writing
- Develop more than one design or adaptation of an initial design
- Propose realistic suggestions as to how they can achieve their design ideas
- Add notes to drawings to help explanations

- 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.

well the finished product meets the design criteria and how well it meets the needs the needs of the user

			Year 4			
Term	Unit Name	Procedural Knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/ SMSC / British Values
Autumn	Electric Cars	Use tools with accuracy.  • Select from techniques for different parts of the process.  • Incorporate a circuit with a bulb or buzzer into a model.  Measure accurately	Can use electrical systems such as switches, buzzers and bulbs Can select tools accurately. Can understand how to make models more stable Understand and use exploded diagrams. Knowledge of how a product such as a car has developed over time and the reasons for why.	Chassis Axle Rigid Circuit Motion Pulley Motor traction	Linked to sustainability which is to be covered in Geography. Ideas will reflect knowledge and learning on environmental factors.	Developing personal accountability for the planet.  Exploring the use of practical science (circuits)
Spring 1	European food	<ul> <li>Analyse taste, texture, smell and appearance of a range of foods.</li> <li>Use tools with accuracy.</li> <li>Join and combine a range of ingredients.</li> <li>Research needs of user.</li> </ul>	Have developed a sensory vocabulary  Can describe nutritional choices Can identify origins of fruit and veg Understand why different methods are used for different parts of the process.	Hygiene Diverse Texture Seasonality Knead Combine ingredients	Unit explores food in other countries and can show the process of transporting food, areas for growing and climate zones.	Unit offers opportunities to try foods not tried before.  Develop knowledge of healthy eating/hygiene  Experience hands on cooking which may not be able to do at home.

Spring 2	Flags	<ul> <li>Understand seam allowance.</li> <li>Join fabrics using running stitch, over sewing, blanket stitch.</li> <li>Prototype a product using J cloths.</li> <li>Explore strengthening and stiffening of fabrics.</li> <li>Sew on buttons and make loops.</li> <li>Use appropriate decoration techniques</li> </ul>	create and profabric of fabric of prod carried  Can strusing a technic  Knowle country	tand the types lucts that can be abroad. engthen fabric number of jues. edge of another y and how it ces designers reating	Seam allowance Abroad Pattern Prototype Fastening Influence Designer	Children to personalise based on t that are im to them ar family. This displayed i	ed flag hings iportant id their s can be	Exploring self Expressing individuality Broaden knowledge of other countries Develop pride in own heritage.
Constant Skills	<ul> <li>ideas</li> <li>Investigate and to give</li> <li>Draw/sketch understand h</li> <li>Think ahead decide upon to sequence of an execution or writing</li> </ul>	similar products to the one to starting points for a design the products to help analyse are ow products are made about the order of their wo tools and materials • Plan a factions to make a product plan by drawing (labelled skews or e than one design or adaptics in the plan of the plan of the plan of the plan one design or adaptics is the plan one design or adaptics.	nd ork and etches)	more varied.  • Plan a sequen product.  • Record the pla annotated sketc  • Use tools with  • Select from tea of the process.	o make movemen ce of actions to m n by drawing usin hes.	nake a ng rent parts	<ul><li>their desi</li><li>Decide</li><li>Conside</li><li>product of</li><li>well the f</li><li>criteria an</li></ul>	he strengths and weaknesses of

	<ul> <li>Propose realistic suggestions as to how they can achieve their design ideas</li> <li>Add notes to drawings to help explanations</li> </ul>	<ul> <li>Investigate similar products to the one to be made to give starting points for a design.</li> <li>Research needs of user.</li> <li>Cut slots.</li> <li>Cut internal shapes.</li> </ul>	
		<ul><li>Use and explore complex pop ups.</li><li>Create nets.</li></ul>	

			Year !	5		
Term	Unit Name	Procedural knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/ SMSC / British Values
Autumn	Feeding People	Prepare food products taking into account the properties of ingredients and sensory characteristics.  • 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.  • 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.	Know how to scale up recipes for larger groups.  Able to follow a sequence of increasingly complex instructions.  Can work safely and hygienically making conscious decisions to do so.  Can explain the benefits of choosing nutritional foods as part of a balanced diet.  To understand why different cooking techniques are used.  To know where food comes from and how it is made/grown.	Congregation Sensory Exploded diagram Profile diagram Scales Units of measurement Beating Rubbing Kneading Sustainability.	Prepare food for a celebration for a specific group.	Experience a range of foods from different cultures and religions.  Understanding why groups and families eat the food that they do.  Time to eat and enjoy food together.

		Use researched information to inform decisions  Devise step-by -step plans which can be followed by someone	Safe and accurate use of tools.	Cam Shaft Riser	Bridges are linked to relevant topics ( recently war in	Learning about service and aid. Developing awareness of others' needs.
Spring 1	Bridges Levers and Linkages	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.  Make quality products.  Cut strip wood, dowel, square section wood accurately to 1mm.	Use mechanical systems such as cams, pulleys and gears.  Can use mechanical systems such as cams, pulleys and gears.  Understand how to carry out product testing to see how it meets the needs of the user.	Pulleys gears	Ukraine – moving people and supplies)	Develops personal knowledge of national and international events and situations

		<ul> <li>Join materials using appropriate methods.</li> <li>Use bradawl to mark positions.</li> <li>Use hand drill to drill tight and loose fitting holes.</li> <li>Use exploded diagrams to communicate ideas.</li> <li>Use electrical systems such as motors.</li> <li>Program, monitor and control using ICT</li> <li>Incorporate motor and switch into a model.</li> <li>Use glue gun with supervision.</li> </ul>				
Spring 2	T-shirt design	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.	Know how to fabrics are combined to create better products with more useful properties.  Can understand how to develop an idea in depth including considering alternative models.	Print (technique) Over sew Back stitch	Fashion show with accompanying narrative to explore and justify the choices made	Clothes we wear have a big impact and say a lot about personality and individualism. The project gives learners a chance to explore who they are, what they stand for and what they support.  Time can be taken to explore the origin and ethics of modern clothing industry and how this is or is not sustainable in the long run.

Constant Skills	products.  Developing, planning and communicating ideas  Investigate similar products to the one to be made to give starting points for a design	Using Materials 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.	Evaluating  • Use the design criteria to inform their decisions about ways to proceed  • Justify their decisions about materials and methods of construction  • Reflect on their work using design criteria stating how well the design fits the needs of the user
	<ul> <li>Decorate textiles appropriately before joining.</li> <li>Cut safely and accurately to a marked line.</li> <li>Sketch and model alternative ideas. Research and evaluating existing products (including book and web based research).</li> <li>Consider user and purpose.</li> <li>Use appropriate finishing techniques for the project.</li> <li>Refine their product - review and rework.</li> <li>Make quality</li> </ul>		

	Develop more than one design or	Make suggestions as how designs can be
	adaptation of an initial design	improved
	<ul> <li>Propose realistic suggestions as to how</li> </ul>	
	they can achieve their design ideas	
	<ul> <li>Add notes to drawings to help explanations</li> </ul>	

			Ye	ar 6		
Term	Unit Name	Procedural Knowledge	Knowledge	Key vocabulary	Authentic Outcome	Cultural Capital/ SMSC / British Values
Autun	nn Great British Bake-off	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.  • Show awareness of a healthy diet using eatwell.  • Use a range of cooking techniques.	Traditional dishes of Britain from now and the past.  A range of cooking and baking techniques required for different products.  Specific preparation techniques and why they are needed. (eg not twisting when cutting out scones or they won't rise, leaving dough to prove)  Can justify why choices were made.  Understand how recipes develop and change over time.  Know about the significance of some	Bake Boil Stew Steam Roast Prove (dough) Rise Knock back Beat Rub Fold	Parent event for children to showcase their recipes.  Working with school catering team.	Chef visit from a local chef who discusses how he sources and prepares food for different occasions.  Exploring ethics of food  Preparing foods using ingredients that children may not have experienced before offers the chance to broaden horizons.

		<ul> <li>Know where and how ingredients are grown and processed.</li> <li>Consider influence of chefs such as Hugh F.W. and sustainable fishing.</li> <li>Devise step by step plans which can be followed by someone else.</li> <li>Decide which idea to develop.</li> <li>Use researched information to inform decisions</li> <li>Devise step-by -step plans which can be</li> </ul>	Understand the range of uses for paper and card.	Lever Linkage Pivot	Cam toy to show an environmental problem	Children are made more aware of world issues Development of debating
Spring 1	CAM toys	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.	Knowledge of how materials react when used in certain ways.  Know how to use levers to transfer movement  Understand pivots and how placement can reduce and increase the range of movement.	Riser Score Axel	Eg litter/drilling	issues Personal exploration of opinions and feelings and how this affects their actions.

		<ul> <li>Use appropriate finishing techniques for the project.</li> <li>Refine their product - review and rework.</li> <li>Make quality products.</li> <li>Join materials using appropriate methods.</li> <li>Use brawdawl to mark positions.</li> <li>Use exploded diagrams to communicate ideas.</li> <li>Use glue gun with supervision.</li> </ul>	Understand the different levels of pressure needed to cut and score with a knife.			
Spring 2	Being Individual	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.	Understand how fashion has changed over time and know some significant designers.  Know how patterns can be altered create 3D products.  Explain the order in which actions must be taken when creating a garment.  Some history of the textile industry and	Tack Sample Fashion Weave Hem Cuff Collar Waistband Binding	Fashion show. Opportunity to visit some local mills to explore fabric production.	Exploring the history of material trade within the British Empire and America can open up some important discussions regarding how countries make money from fashion.  The modern fashion trade and the ethics of fabric manufacture is also a chance to explore the real cost and sustainability of modern clothes.

	<ul> <li>Decorate textiles appropriately before joining.</li> <li>Combine fabrics to create more useful properties.</li> <li>Develop one idea in</li> </ul>	fabrics Know of som be able	different s come from the properties he fabrics and he to explain hey are used				
	depth.  • Cut safely and accurately to a marked line.  • Sketch and model alternative ideas.  • Use appropriate finishing techniques for the project.  • Refine their product - review and rework.  • Make quality	for cer	tain products.				
Constant Skills	products.  Developing, planning and communicating ideas  Investigate similar products to the one made to give starting points for a design Draw/sketch products to help analyse understand how products are made  Think ahead about the order of their valued and decide upon tools and materials of sequence of actions to make a product  Record the plan by drawing (labelled sketches) or writing	and work	Use a craft ki ruler under 1:2	Is  ely and safely to a nife, cutting mat I supervision if appropriate sheet	and safety opropriate.	decisions • Justify t methods • Reflect of stating ho the user • Identify the produ	design criteria to inform their about ways to proceed heir decisions about materials and of construction on their work using design criterials well the design fits the needs of what does and does not work in act.

Develop more than one desig	or		
adaptation of an initial design			
Propose realistic suggestions :	s to how they		
can achieve their design ideas			
Add notes to drawings to help	explanations		
That he test to are things to mark			

#### DT Impact

- Children will work independently and as part of a team solve real-world problems.
- Children will be able to work safely with tools, selecting appropriate ones for the projects
- Children will ultimately know more, remember more and understand more about Design Technology, and will be able to apply this to other curriculum areas.
- The large majority of children will achieve age related expectations in Design Technology.
- As designer's children will develop designs, ideas, skills and attributes Children will develop resilience to set backs and understand that success comes from perseverance.