

# Whitley Abbey Primary School

Hand in hand we learn

# **DT Curriculum**

	Curriculu	ım Drivers	
Possibilities and	Reading and Vocabulary	Health and Wellbeing	Celebrating Diversity
Citizenship			
Our curriculum is designed to promote aspirations by preparing children for a changing world by making links between their learning and careers and opportunities in adult life. The curriculum enables children to make connections between what is learnt in school and open-up possibilities for them in later life. Teachers support children to be good citizens through the development of British Values and the core learning values of; Commitment, Opportunity, Respect and Excellence.	Our curriculum is designed to meet the needs of the children we serve placing great emphasis on the development of tier 2 and tier 3 vocabulary and fluency in reading. At Whitley Abbey we recognise that vocabulary development helps children to communicate effectively and to understand what they hear. Reading enables pupils to develop independent learning skills – skills that will serve them well in later life.	Our curriculum is designed to promote children's health, wellbeing and resilience through the promotion of Whitley Character Values, friendship, kindness, courage, resilience, gratitude and honesty. We want our children to make good choices about their own health and wellbeing. Research suggested that better emotional wellbeing is associated with higher achievement in primary school. When children feel safe they are able to better access learning in the classroom.	Our curriculum is designed to celebrate diversity. This means understanding that each individual is unique and recognising and celebrating our individual differences. The concept of diversity encompasses community, acceptance and respect. We foster the exploration of these differences in a safe, positive, and nurturing environment. We believe that by practicing mutual respect for qualities and experiences that are different from our own we build alliances across differences so that we can work together to eradicate all forms of discrimination.

# Intent

The Design Technology curriculum is designed to develop creative, curious learners who have the ability to critically evaluate their work and the work of others. Through the teaching of DT, we hope that children will develop the capacity to problem solve by stimulating creativity and imagination through the production of quality products that solve real and relevant problems within a variety of contexts, considering their own and others' needs. We aim to, wherever possible, link work to other disciplines and topics to make learning relevant.

### EYFS

In the Foundation Stage, the learning and development of DT is taught throughout all areas of the curriculum as and when it compliments existing learning opportunities and more specifically through expressive arts and design. For example DT may be taught through providing pupils opportunities to create props for role play, create an junk modelled item or build with lego as inspired by a story or challenge set by the teacher.

#### ELG: Creating with Materials

Children at the expected level of development will: - Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function; - Share their creations, explaining the process they have used; - Make use of props and materials when role playing characters in narratives and stories.

Key Stage 1	Key Stage 2
Through a variety of creative and practical activities, pupils should be taught the	Through a variety of creative and practical activities, pupils should be taught
knowledge, understanding and skills needed to engage in an iterative process of	the knowledge, understanding and skills needed to engage in an iterative
designing and making. They should work in a range of relevant contexts [for example,	process of designing and making. They should work in a range of relevant
the home and school, gardens and playgrounds, the local community, industry and the	contexts [for example, the home, school, leisure, culture, enterprise, industry
wider environment].	and the wider environment]. When designing and making, pupils should be
When designing and making, pupils should be taught to:	taught to:
<b>Design</b> 🖓 design purposeful, functional, appealing products for themselves and other	<b>Design</b> $ar{arphi}$ use research and develop design criteria to inform the design of
users based on design criteria $\bigtriangledown$ generate, develop, model and communicate their ideas	
through talking, drawing, templates, mock-ups and, where appropriate, information and	particular individuals or groups 🖓 generate, develop, model and
communication technology	communicate their ideas through discussion, annotated sketches, cross-
<u>Make</u> $\sqrt{2}$ select from and use a range of tools and equipment to perform practical tasks	sectional and exploded diagrams, prototypes, pattern pieces and computer-
[for example, cutting, shaping, joining and finishing] $4$ select from and use a wide range	
of materials and components, including construction materials, textiles and ingredients,	Make $ar{\mathcal{O}}$ select from and use a wider range of tools and equipment to
according to their characteristics	perform practical tasks [for example, cutting, shaping, joining and finishing],
<b>Evaluate</b> $\sqrt{2}$ explore and evaluate a range of existing products $\sqrt{2}$ evaluate their ideas	accurately $ earrow  extsf{S}$ select from and use a wider range of materials and
and products against design criteria	components, including construction materials, textiles and ingredients,
<b>Technical knowledge</b> $\bigcirc$ build structures, exploring how they can be made stronger,	according to their functional properties and aesthetic qualities
stiffer and more stable $4$ explore and use mechanisms [for example, levers, sliders,	Evaluate 🖓 investigate and analyse a range of existing products 🖓 evaluate
wheels and axles], in their products.	their ideas and products against their own design criteria and consider the
	views of others to improve their work $\diamondsuit$ understand how key events and
	individuals in design and technology have helped shape the world
	Technical knowledge
	more complex structures $\checkmark$ understand and use mechanical systems in their

products [for example, gears, pulleys, cams, levers and linkages] 🖓
understand and use electrical systems in their products [for example, series
circuits incorporating switches, bulbs, buzzers and motors] 🗗 apply their
understanding of computing to program, monitor and control their products.

## Implementation

### New Curriculum organisation:

In the academic Year 2021/22 pupil numbers have led to the necessity to combine classes in Year 1 and 2 and Year 4 and 5 for their foundation subject teaching. School has retained a one form entry model for the delivery of English and Maths teaching. This significant change has resulted in a whole school review of the planned curriculum. Leaders have developed an aspiration curriculum which meets the needs of the unique teaching set up. Pupils in Year 1 and 2 and 4 and 5 will be taught in a two year rolling curriculum program to ensure full curriculum coverage with the exception of science where key objectives have been identified for each curriculum year group. In the year 2023/24 it is the intention to return to single year group classes as numbers have increased.

Teachers will retain the autonomy to decide whether each DT topic should be taught weekly or block taught and make this judgment based upon the merits of each approach and the intended outcomes.

#### **Resources**

We use resources from Kapow to support the teaching of DT throughout the school however, we have made some adaptations to the design brief in order to make stronger links to other areas of the curriculum.

#### Assessment:

At Whitley Abbey Primary School, assessment is carried out in accordance with our Assessment Policy. Ongoing teacher assessment ensures that skills are developed and progress is made in the area of DT. Key assessment questions are planned for in the curriculum, at the end of each unit of work.

### <u>Monitoring:</u>

• Books scrutiny to check coverage of content, skills, quality and evidence of key computing vocabulary being taught in all topics.

- Pupil voice
- Teacher observations
- Evidence of continuous assessment
- Pupil final products and skill development
- Pupil evaluations and presentations

### Work-life balance:

The schemes of work support staff by providing lessons plans and resources to support the teaching of the DT curriculum.

<b>EYFS</b> Our EYFS curriculum is planned but may be adapted to be responsive to pupil's interests				
Example - Teacher Led experiences Example - Enhanced Provision opportunities linked to DT				
Nursery~ Provide children with a range of materials for children to construct with.Encourage them to think about and discuss what they want to make. Discussproblems and how they might be solved as they arise. Reflect with children onhow they achieved their aims.Through guided play teach children to -Design invitationsCreate wrapping paperCreate a musical instrumentDesign and make gingerbread men	Develop: Cutting skills during funky finger activities Threading skills Joining techniques Experiment with different joining materials Pretend cooking in the home corner Playdough activities Mud kitchen activities Small and large construction			

			Junk modelling	
adhesive tap new things a ~ Provide chi Encourage th problems an how they acl Build a range	e and different sorts of g t once. Ildren with a range of ma nem to think about and d d how they might be solv nieved their aims. e of different shelters models based upon a top r cards	for joining materials, such as using lue, taking care not to introduce too n terials for children to construct with. iscuss what they want to make. Discus yed as they arise. Reflect with children ic	55	
	<b>Vocabulary</b> Apron, Bead, Cello tape, Build, Chop, Button, Glue stick, Make, Cut, Fabric, Masking tape, Equipment, Felt, Paper Clip, Fork, Scissors, Plasticine, Knife, Ruler, Mix, Straws,		<sup>7s,</sup> Can children describe the purp Can children talk about how th Can children choose appropria	ose of their creations? ey made their creation?
			Year 1	
	Term	Autumn	Spring	Summer
DT	Deliberate Practice (Skills)	<ul> <li>generate, develop, model and communica and, where appropriate, information and e select from and use a range of tools and eq select from and use a wide range of materia and ingredients, according to their characte</li> <li>explore and evaluate a range of existing prevaluate their ideas and products against e build structures, exploring how they can be</li> </ul>	uipment to perform practical tasks [for example, cutting, s als and components, including construction materials, text ristics roducts design criteria made stronger, stiffer and more stable levers, sliders, wheels and axles], in their products	-ups shaping, joining and finishing] tiles Deliberate practise vocabulary: evaluate, evaluation, product, design, suitable, suitability, investigate, design criteria, function
		Puppets	Structures - Inspired by London's skyline	Smoothies Ainsley Harriet

	Knowledge Assessment questions:	<ul> <li>Assessment questions https://www.kapowprimary.com/ subjects/design-technology/key- stage-1/year-1/textiles-puppets/ assessment-dt-y1-puppets/</li> <li>Can the children explain what a joining technique is?</li> <li>Can the children identify and name the simple equipment they need to make a puppet?</li> <li>Can the children explain what a template is?</li> <li>Can the children describe a fabric using simple adjectives?</li> <li>Can the children explain the importance of a design idea?</li> <li>Can the children develop and communicate their ideas through talk, drawings and mock-ups?</li> <li>Can the chidren select the tools they need for the job?</li> </ul>	<ul> <li>Assessment questions</li> <li>Can the children explain what a structure is?</li> <li>Can the children identify a manmade material/object?</li> <li>Can the children identify a natural material/object?</li> <li>Can the children differentiate between strong and weak structures?</li> <li>Can the children explain if a structure is stable or unstable?</li> <li>Can the children explain the function of the product they have made?</li> <li>https://www.drawingtolearn.com.au/blog/cereal-box-city-from-riba-architecturecom</li> </ul>	Assessment questions         https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-1/fruit-and-vegetables/assessment-dt-y1-fruit-and-vegetables/         • Can the children identify a variety of fruits and vegetables?         • Can the children differentiate between a fruit and a vegetable?         • Can the children say how certain vegetables and fruit are grown and where?         • Can the children explain how a blender is used to create a smoothie?         • Can the children cut food safely?         • Can the children select the correct tool to complete a task?
	Vocabulary	Design, glue, decorate, model, hand puppet, safety pin, staple, stencil, template	Function, man- made, stiff, stable, strong, structure, natural	Blender, fruit, vegetable, seed, root, ingredients, peel, peeler, smoothie
			Year 2	
	Term	Autumn	Spring	Summer
DT	Deliberate Practice (Skills)	design purposeful, functional, appealing products for them generate, develop, model and communicate their ideas and, where appropriate, information and communication select from and use a range of tools and equipment to pe select from and use a wide range of materials and compo and ingredients, according to their characteristics explore and evaluate a range of existing products evaluate their ideas and products against design criteria build structures, exploring how they can be made stronge explore and use mechanisms [for example, levers, sliders,	through talking, drawing, templates, mock-ups n technology rform practical tasks [for example, cutting, shaping, joining nents, including construction materials, textiles er, stiffer and more stable	g and finishing] <b>Deliberate practise vocabulary:</b> evaluate, evaluation, product, design, suitable, suitability, investigate, design criteria, function

	Circus big top	Wraps	Fairgrounds
Knowledge	Assessment Questions		(construction materials mechano etc)
Micuge	https://www.kapowprimary.com/subjects/design-technology/key-stage-	Assessment Questions	
Assessment	1/year-1/ks1-y1-design-and-technology-constructing-windmills/	https://www.kapowprimary.com/subjects/	According to Ouestigns
	assessment-dt-v1-windmills/	neepsi//www.kapowprintary.com/subjects/	Assessment Questions

	questions:	<ul> <li>Can the children what a structure is?</li> <li>Can the children can explain who a client is and why they important?</li> <li>Can the children explain what design criteria is and why it important?</li> <li>Can the children evaluate their product saying that they lil and dislike about their design?</li> <li>Can the children explain what the term stable means and make changes to their design to ensure it is stable?</li> <li>Can the children offer ways to make their structure strong</li> <li>Can children explore suitability of materials e.g. waterproduct of the explore suitability of materials e.g.</li> </ul>	<ul> <li>Can the children explain where some of the ingredients come from?</li> <li>Can the children explain what a balanced diet is and what foods may/may not appear?</li> <li>Can the children say what a refrigerator is used for and what foods you may find in one?</li> <li>Can the children say what nutrients are and why they are good for the body?</li> </ul>	<ul> <li>https://www.kapowprimary.com/subjects/design-technology/key-stage-1/year-2/mechanisms-fairground-wheel/assessment-dt-y5-fairground-wheel/</li> <li>Can the children explain what a structure is?</li> <li>Can the children explain what a mechanism is?</li> <li>Can the children explain what the world stable means?</li> <li>Can the children explain how the Ferris Wheel spins?</li> <li>Can the children explain what strong and weak means and give examples of this? What happens when a structure is strong or weak?</li> <li>Can the children distinguish between fixed and freely moving axles?</li> <li>Can the children give examples of materials which are strong and weak? Which materials are the most and least suitable for their structure?</li> <li>Can the children list the main parts of the Ferris Wheel and explain what each part does?</li> </ul>
	Vocabula ry	Strong, stable, structure, client, design criteria, structure, te weak, strong, features	vegetables, protein, diet, balanced diet, nutrients, ingredients, healthy, unhealthy	Axle, mechanism, stable, strong, test, waterproof, weak, strong, Ferris Wheel, Ferris Wheel pod, base
	I		Year 3	
	Term		Spring	Summer
DT	Deliberate Pra (Skills)	are fit for purpose, aimed at p generate, develop, model a and exploded diagrams, pro- joining and finishing], accurate select from and use a wider rai according to their functional p investigate and analyse a rai evaluate their ideas and pro- understand how key events an apply their understanding of ho understand and use mechanica apply their understanding of co	and communicate their ideas through discussion, and ototypes, pattern pieces and computer-aided design by ange of materials and components, including construction main roperties and aesthetic qualities ange of existing products oducts against their own design criteria and consider d individuals in design and technology have helped shape th bow to strengthen, stiffen and reinforce more complex structu al systems in their products [for example, gears, pulleys, cam systems in their products [for example, series circuits incorpor imputing to program, monitor and control their products.	betated si Deliberate Practise Vocabulary: evaluation, product, design criteria, suitable, suitability, constructive criticism, test, audience, annotated diagram, prototype, functional the views of others to improve their work e world Technical knowledge res ns, levers and linkages] prating switches, bulbs, buzzers and motors]
	Knowledge Assessment questions:	Stone age tools https://www.oldfield.cheshire.sch.uk/work/design-technology-in-year-3-stone-age-tools-and-w 32512 <u>Assessment questions</u>	Meander Sewing Patterns           Assessment questions           • Can the children explain what a template is and how	Pneumatic Toy/ Tarts- Hero of Alexandria Assessment questions <u>https://www.kapowprimary.com/subjects/design-technology/</u> lower-key-stage-2/year-3/mechanical-systems-pneumatic-

		<ul> <li>Can the children discuss what design criteria is?</li> <li>Can the children explain what constructive criticism is and why it is important in the design process?</li> <li>Can the children discuss the importance of feedback as part of the design process?</li> <li>Can the children explain what materials are most suitable to meet their design criteria?</li> <li>Can children use different joining techniques?</li> <li>Can the children test product against the design criteria?</li> </ul>	<ul> <li>one is used?</li> <li>Can the children show an example of applique?</li> <li>Can children name at least two types of stitches?</li> <li>Can the children show an example of a running stitch?</li> <li>Can the children use a simple running stitch to join two pieces of fabric together?</li> <li>Can the children show an example of a cross stitch?</li> <li>Can the children explain what a seam is?</li> </ul>	<ul> <li>toys/assessment-dt-y3-mechanical-systems-pneumatic-toys/</li> <li>Can the children explain what a mechanism is?</li> <li>Can the children explain what a pneumatic system is?</li> <li>Can the children explain what an exploded diagram is?</li> <li>Can the children say what motion is and how the motion has occurred?</li> <li>Can the children explain what a paper net is?</li> <li>Can the children explain what function means?</li> <li>Can the children explain what function means?</li> <li>Can the children explain what product?</li> </ul>
	Vocabulary	design criteria, feedback, evaluation, test, material, bind, tie, construct, knot, cut, saw, glue gun, wood, flint, stone.	Accurate, applique, cross-stitch, decorate, detail, fabric, patch, running stich, seam, stencil, stuffing, target audience, template	Exploded diagram, function, input, lever, linkage, mechanism, motion, net, pivot, output, pneumatic system,
			Year 4	
	Term	Autumn	Spring	Summer
		i i i i i i i i i i i i i i i i i i i	the information designs of increasing from the second	
<b>L</b>	Deliberate Practice (Skills)	<ul> <li>are fit for purpose, aimed at particular</li> <li>generate, develop, model and com and exploded diagrams, prototypes joining and finishing], accurately</li> <li>select from and use a wider range of ma according to their functional properties</li> <li>investigate and analyse a range of</li> <li>evaluate their ideas and products at</li> <li>understand how key events and individi apply their understanding of how to stree</li> <li>understand and use mechanical systems</li> <li>understand and use electrical systems i</li> </ul>	municate their ideas through discussion, annota s, pattern pieces and computer-aided design aterials and components, including construction materi and aesthetic qualities	ated sket       Deliberate Practise Vocabulary: Evaluation, target audience, target customer, suitability, prototype, aesthetics, innovative, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, an
DT	Practice	<ul> <li>are fit for purpose, aimed at particular</li> <li>generate, develop, model and com and exploded diagrams, prototypes joining and finishing], accurately</li> <li>select from and use a wider range of ma according to their functional properties</li> <li>investigate and analyse a range of</li> <li>evaluate their ideas and products at</li> <li>understand how key events and individi apply their understanding of how to stree</li> <li>understand and use mechanical systems</li> <li>understand and use electrical systems i</li> </ul>	individuals or groups municate their ideas through discussion, annota s, pattern pieces and computer-aided design aterials and components, including construction materi and aesthetic qualities existing products gainst their own design criteria and consider the uals in design and technology have helped shape the w engthen, stiffen and reinforce more complex structures is in their products [for example, gears, pulleys, cams, n their products [for example, series circuits incorporation]	ated sket       Deliberate Practise Vocabulary: Evaluation, target audience, target customer, suitability, prototype, aesthetics, innovative, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, prototype, aesthetics, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, annotated customer, suitability, an

	Vocabulary	Aesthetic, cladding, design criteria, evaluation, frame structure, reinforce, stable, structure, target audience, target customer, texture, structure	• Aesthetic, assemble, design criteria, evaluation, fabric fastening, running stitch, stencil, target audience, target customer, template	Assessment questions         https://www.kapowprimary.com/subjects/design-technology/lower-key-stage-2/year-4/food-adapting-a-recipe/assessment-dt-y4-food-adapting-a-recipe/         • Can the children describe the importance of the method in a recipe?         • Can the children explain how to keep safe when handling hot food?         • Can the children explain how to improve a recipe?         • Can the children use appropriate equipment to combine ingredients?
	Term	Autumn	Spring	Summer
Deliberate Practice (Skills)		<ul> <li>use research and develop design criteria to infor are fit for purpose, aimed at particular individua</li> <li>generate, develop, model and communication</li> </ul>	rm the design of innovative, functional, appealing proc als or groups to their ideas through discussion, appotated ske	
DT		<ul> <li>and exploded diagrams, prototypes, patter joining and finishing], accurately</li> <li>select from and use a wider range of materials a according to their functional properties and aes</li> <li>investigate and analyse a range of existing</li> <li>evaluate their ideas and products against</li> <li>understand how key events and individuals in de apply their understanding of how to strengthen, understand and use mechanical systems in their</li> </ul>	rn pieces and computer-aided design and components, including construction materials, text sthetic qualities g products their own design criteria and consider the views esign and technology have helped shape the world Ter , stiffen and reinforce more complex structures r products [for example, gears, pulleys, cams, levers a products [for example, series circuits incorporating swi	tiles an product analysis, target audience, design decisions, authentic, design specification, prototype, mock up, functionality final product formulate of others to improve their work chnical knowledge nd linkages]
DT		<ul> <li>and exploded diagrams, prototypes, patter joining and finishing], accurately</li> <li>select from and use a wider range of materials a according to their functional properties and aes</li> <li>investigate and analyse a range of existing</li> <li>evaluate their ideas and products against f</li> <li>understand how key events and individuals in de apply their understanding of how to strengthen, understand and use mechanical systems in their</li> <li>understand and use electrical systems in their p</li> </ul>	rn pieces and computer-aided design and components, including construction materials, text sthetic qualities g products their own design criteria and consider the views esign and technology have helped shape the world Ter , stiffen and reinforce more complex structures r products [for example, gears, pulleys, cams, levers a products [for example, series circuits incorporating swi	tiles an product analysis, target audience, design decisions, authentic, design specification, prototype, mock up, functionality final product formulate of others to improve their work chnical knowledge nd linkages]

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	Vocabular y	<ul> <li>toys/</li> <li>Can the children explain what a fastening is?</li> <li>Can the children say what a template is?</li> <li>Can the children identify a blanket stitch?</li> <li>Can the children identify applique?</li> <li>Can the children explain what an objects form is?</li> </ul>	<ul> <li>upper-key-stage-2/year-5/electrical-systems-electronic-greeting-cards/</li> <li>Can the children explain what a greetings card is and give examples?</li> <li>Can the children explain what product analysis is?</li> <li>Can the children name and make a series circuit with an LED, battery and two wires?</li> <li>Can the children name and identify an LED, wire, buzzer, battery (the components)?</li> <li>Can the children discuss the importance of Roland Hill in developing the postal system?</li> </ul> Assessment questions - Bolognese https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-5/food-what-could-be-healthier/ <ul> <li>Can the children explain what the term 'technique' means?</li> <li>Can the children explain what the method of a recipe is?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what a balanced diet means and give examples of this?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what explain what a balanced diet means and give examples of this?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what cross-contamination is?</li> <li>Can the children explain what welfare is with regards to farm animals?</li> <li>Can the children follow a method to make a Bolognese sauce?</li> </ul>	stage-2/year-5/structure-bridges/ assessment-dt-y5-structures-bridges/         • Can the children name some tools which are used in a workshop?         • Can the children say what some of the tools are used for?         • Can the children name some different kinds of bridges?         • Can the children say where some of these types of bridges are found?         • Can the children identify some materials bridges are made from?         • Can the children recall some key facts about Isambard Kingdom Brunel and why he is significant to bridge building?         Can the children critically evaluate their finished product
			Year 6	
	Term	Autumn	Spring	Summer

Practice (Skills)	Deliberate Practise Vocabula		
	Steady Hand Game	Air-raid shelter/preparing light meal	Design a Pencil Case
Knowledge	Assessment questions	Assessment questions https://www.kapowprimary.com/subjects/design-technology/	Assessment questions
Assessment questions:	<ul> <li>https://www.kapowprimary.com/subjects/design-technology/upper-key-stage-2/year-6/electrical-systems-steady-hand-game/assessment-dt-y6-electrical-systems-steady-hand-game/</li> <li>Can the children analyse a product?</li> <li>Can the children identify a series circuit and name the components within it?</li> <li>Can the children name and identify an LED, buzzer, wire, battery pack?</li> <li>Can the children say what the term 'fit for purpose' mean?</li> </ul>	<ul> <li>upper-key-stage-2/year-6/structure-playgrounds/assessment-dt- y6-structures-playgrounds/</li> <li>Can the children suggest ways to make a structure stronger?</li> <li>Can the children explain why making a prototype is so important?</li> <li>Can the children describe the properties of some common materials?</li> <li>Can the children explain the importance of modifying a prototype to make improvements?</li> <li>Can the children work safely with a variety of tools?</li> <li>Can the children design a balanced meal on a budget (rations)?</li> <li>Can children use their knowledge of food groups and availability of food during the war?</li> <li>https://www.bhjs.org.uk/wp-content/uploads/2020/03/DT- Food-and-rationing-project-weeks-commencing-23rd-30th- March.pdf</li> </ul>	<ul> <li>Can children make a prototype which can then create a pattern?</li> <li>Can the children say what a template is a why it is important for making item?</li> <li>Can the children say what fabric is and name some different types of fabric?</li> <li>Can the children explain the suitability of fabrics for different purposes?</li> <li>Can the children describe the properties of some fabrics?</li> <li>Can the children explain the importance of being accurate when measuring to make item?</li> <li>Can the children explain what is meant by target audience?</li> <li>Can the children offer advice to others making a pencil case?</li> <li>Can children evaluate their work?</li> </ul>
Vocabula ry	Assemble, battery, battery pack, bulb, bulb holder, buzzer, circuit, circuit symbol, component, conductor, copper, design criteria, evaluation, function, insulator, LED, magnetic field, net, drawing, plan, prototype, series circuit, steady hand, target audience, test, top view, wire cutters	Adapt, design, design brief, cladding, evaluation, feedback, landscape, mark, measure, materials, planning, prototype, reinforce, strong, structure, texture, weak, strong, corrugated cut, landscape, mark, measure, materials, planning, prototype, reinforce, strong, structure, texture, weak, strong, corrugated cut, chop, hygiene, nutrients	Accurate, adapt, annotate, design criteria, detai fabric, fastening, knot, properties, running stitch seam, sew, shape, target audience, template, thread, waist coat, waterproof

DT