

Yr 6 Autumn Overview - D&T

Term	Task	Knowledge, Skills & Understanding	Resources	Useful Websites
Autumn 1	WWI Commemoration - Poppy/soldier/toy (TECHNICAL KNOWLEDGE - CAMS)	<u>Designing</u> - Generate innovative ideas, drawing on research (DATA) - Make design decisions, taking account of constraints such as time, resources and cost (DATA) - Follow and refine original plans - Justify planning in a convincing way - Show that culture and society is considered in plans and designs	- Shoe boxes/ cardboard - Wheels/cams - Wooden dowel - glue - Materials for decoration Cams resource sheets - Twinkl	
Autumn 2	WWII Make-Do & Mend (TEXTILES)	<u>Making</u> - Accurately measure, mark out, cut and shape (DATA) - Accurately assemble, join and combine materials and components (DATA) - Know which tools to use for a specific practical task - Know how to use any tool correctly and safely - know what each tool is used for - Explain why a specific tool is best for a specific action <u>Evaluating</u> - Know how to test and evaluate designed products - explain how products should be stored and give reasons - evaluate products against clear criteria <u>Technical Knowledge</u> - That a 3D textiles product can be made from a combination of fabric shapes - how mechanical systems, such as cams or pulleys or gears create movement	- Old item of clothing - Needles - Cotton - Embroidery threads - Stitching Guide	https://swinemoorprimary.org.uk/make-do-and-mend/ EXAMPLE idea

<https://www.thegrid.org.uk/learning/dandt/ks1-2/resources/qca.shtml>

<http://www.hmdt.org.uk/hmdtmusic/trenchbrothersteaching/5designtechnology/#lightbox/6/>

ICT - Check with NJ & DA - Use MORE complex IT programs to help enhance the quality of the product produced.

STICKY KNOWLEDGE - KNOW how to communicate designs, UNDERSTAND the properties of a wide range of materials and components, KNOW how to strengthen & reinforce, UNDERSTAND mechanical and electrical systems

Yr 6 Spring Overview - D&T

Term	Task	Knowledge, Skills & Understanding	Resources	Useful Websites
Spring 1	Food Packaging Environmental improvements (DESIGN, MAKE, EVALUATE /STRUCTURES/ TEXTILES?)	<u>Designing</u> - Generate innovative ideas, drawing on research (DATA) - Make design decisions, taking account of constraints such as time, resources and cost (DATA) - Use market research to inform plans and ideas. - Follow and refine original plans - Justify planning in a convincing way - Show that culture and society is considered in plans and designs <u>Making</u> - Accurately measure, mark out, cut and shape (DATA) - Accurately assemble, join and combine materials & components (DATA) - Know which tools to use for a specific practical task - Know how to use any tool correctly and safely - know what each tool is used for - Explain why a specific tool is best for a specific action <u>Evaluating</u> - Know how to test and evaluate designed products - explain how products should be stored and give reasons - evaluate products against clear criteria <u>Technical Knowledge</u> - use knowledge to improve a made product by strengthening, stiffening or reinforcing <u>Food Technology</u> - explain how food ingredients should be stored and give reasons - work within a budget to create a meal - understand the difference between a savoury and sweet dish - that recipes can be adapted to change the appearance, taste, aroma (DATA)	- card - cellophane	
Spring 2	Mexican meal Traditional and contemporary Mexican meal (FOOD TECHNOLOGY)	(Continued from Spring 1)	- Cooking utensils - Ingredients	

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STICKY KNOWLEDGE - KNOW how to communicate designs, UNDERSTAND the properties of a wide range of materials and components, KNOW how to strengthen & reinforce, UNDERSTAND mechanical and electrical systems

Yr 6 Summer Overview - D&T

Term	Task	Knowledge, Skills & Understanding	Resources	Useful Websites
Summer 1	Local history Plan and make a game to play on a fund raising afternoon. Highest earning group win a prize. (DESIGN, MAKE, TECHNICAL KNOWLEDGE- MECHANICAL &/OR ELECTRICAL)	<u>Designing</u> • Generate innovative ideas, drawing on research (DATA) • Make design decisions, taking account of constraints such as time, resources and cost (DATA) • Use market research to inform plans and ideas. • Follow and refine original plans • Justify planning in a convincing way • Show that culture and society is considered in plans and designs <u>Making</u> • Accurately measure, mark out, cut and shape (DATA) • Accurately assemble, join and combine materials and components (DATA) • Know which tools to use for a specific practical task • Know how to use any tool correctly and safely • know what each tool is used for • Explain why a specific tool is best for a specific action <u>Evaluating</u> • Know how to test and evaluate designed products • explain how products should be stored and give reasons • evaluate products against clear criteria <u>Technical Knowledge</u> • use electrical systems correctly and accurately to enhance a given product • know which IT product would further enhance a specific product • use knowledge to improve a made product by strengthening, stiffening or reinforcing • how mechanical systems, such as cams or pulleys or gears create movement	• Cardboard • PVA glue • Tape • Electrical components - batteries, wires, bulbs, motors, etc.	
Summer 2	Local History Create a new Chetwynd logo, reflecting our culture and society in school today. (DESIGN - CAD?) ICT - Secondary school visit?	<u>Evaluating</u> • Know how to test and evaluate designed products • explain how products should be stored and give reasons • evaluate products against clear criteria <u>Technical Knowledge</u> • use electrical systems correctly and accurately to enhance a given product • know which IT product would further enhance a specific product • use knowledge to improve a made product by strengthening, stiffening or reinforcing • how mechanical systems, such as cams or pulleys or gears create movement	•	

ICT - Check with NJ & DA - Use MORE complex IT programs to help enhance the quality of the product produced.

STICKY KNOWLEDGE - KNOW how to communicate designs, UNDERSTAND the properties of a wide range of materials and components, KNOW how to strengthen & reinforce, UNDERSTAND mechanical and electrical systems