

Church Walk Primary School DT Scheme of Work

Springfield Cycle B	Year 5 / 6	Cycle	Year 5 Year 6	Key Assessment Criteria
	Autumn	Spring	Summer	
Focus	Structures: Anderson Shelters (strengthen, stiffen, reinforce)  WW2 Rationing and cooking Dig for Victory	Levers: Cam Mechanisms Animal Automata – Desert Animal Moving Toy	Textiles: Phone cases	- I can come up with a range of ideas after collecting information from different sources - I can produce a detailed, step-by-step plan - I can suggest alternative plans; outlining the positive features and draw backs - I can explain how a product will appeal to a specific audience - I can evaluate appearance and function against original criteria
Resources	Colletions of books, pictures, DVDs, internet showing different shelters Paper straws, dowel, square-section wood, pipe-cleaners,	Visual resources to stimulate designs Square section wood, card, string, cam wheels, wood dowel, adhesives, G clamps, hacksaws,	Felt, thread, needles, suitable decoration (buttons, zips, sequins etc.)	- I can use a range of tools and equipment competently - I can make a prototype before I make a final version

	masking tape,paper fasteners,PVA, wood glue, plastic tube to join dowelling, card, fabric, cotton, plastic bags (for sheeting)thread, string, needles Model figure or doll to use for scale	sandpaper, drills, glue guns		• I can show that I can be both hygienic and safe in the kitchen • I can use market research to inform my plans and ideas • I can follow and refine my plans • I can justify my plans in a convincing way • I can show that I consider culture and society in my plans and designs • I can show that I can test and evaluate my products • I can explain how products should be stored and give reasons • I can work within a budget • I can evaluate my product against clear criteria
Curriculum links	History WW2 Literacy- notes, labels, annotations, non-fiction reading	Geography: Deserts Literacy- notes, labels, annotations, non-fiction reading	Literacy: communicating ideas linked to knowledge of different text types Speaking and Listening: strategies for talking in groups PSHE: online safety, personal responsibility	
Skills	Generate ideas Plan what to do next Select appropriate tools, materials, components Explain choices Produce annotated diagrams			

	Measure, mark out, cut and assemble Use ICT for researching and designing Techniques for reinforcing and strengthening materials Use bench hook / G- cramp hacksaw safely			
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