

Church Walk Primary School DT Scheme of Work

Springfield Cycle A	Year 5 / 6	Cycle	Year 5 Year 6	Key Assessment Criteria
	Autumn	Spring	Summer	
Focus	Making Victorian printing stamps Victorian Room (model, textiles, electrical systems)  Food technology: Victorian Christmas cake	 Making soap and packaging	Levers and linkage/ mechanisms: Making moon buggies 	- 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 - I can use a range of tools and equipment competently - I can make a prototype before I make a final version - I can show that I can be
Resources	Recycled materials, paper, coloured card, wood, dowel rod, basic hand tools for cutting wood and making holes,		Examples of variety of controllable toy vehicles, kits, wire, crocodile leads, switches, aluminium foil, batteries and holders Motors, motor mounting clips Pulleys, elastic bands Square section wood, dowel rods, card	

			triangles, glue, plastic tubing Materials for finishing Wire strippers	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- the Victorians Maths- measuring Literacy- notes, labels, explanations Science- electrical	Maths- measuring (weighing, using different scales)	History- the Space Race Maths- measuring Literacy- notes, labels, explanations	
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	—————→ Research and design for a specific purpose- investigation and analysis Developing design criteria Choosing appropriate ingredients (additions) and utensils Designing packaging according to criteria Making and evaluating prototypes Evaluating finished products against design criteria	—————→ Mark out, cut and join Techniques for reinforcing and strengthening Select appropriate tools, materials, components Methods of construction (variety) Design for a specific purpose Show designs and follow them Modify designs	

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