



Logo	Autumn Term	Spring Term	Summer Term
Y1	Mechanisms: Sliders and Levers	Textiles: Template and Joining	Food: Preparing fruit and vegetables
	Can I design, make and evaluate a moving	Can I design, make and evaluate a story book	Can I design, make and evaluate a
	puppet?	character?	fruit/vegetable smoothie?
	- Can you think of some ideas of your own?	Can you think of ideas based upon	- Can you think of some ideas of your own?
	- Can you use pictures and words to plan?	investigations of products?	- Can you use pictures and words to plan?
	- Can you generate ideas for purposeful	- Can you plan what to do next based on	- Can you generate ideas for purposeful
	designs?	experience of working with materials?	designs?
	- Can you explain what you want to do?	- Can you describe your design by using	- Can you explain what you want to do?
	- Can you explain what you are making and	pictures, diagrams, models and words?	- Can you explain what you are making and
	which tools are you using?	- Can you join things (materials/components)	which tools are you using?
	- Can you describe how something works?	together in different ways to make a functional	- Can you describe how something works?
	- Can you talk about your own work and	product?	- Can you talk about your own work and
	describe how something works?	- What went well with your work?	describe how something works
	- Can you recognise features of familiar	- If you did it again, what would you want to	- Can you recognise features of familiar
	products?	improve?	products?
	- Can you make a product which moves?	- Can you measure textile?	- Can you cut food safely?
	- Can you cut materials using scissors?	- Can you join textiles together to make	- Can you describe the texture of foods?
	- Can you describe the materials using	something?	- Do you wash your hands and make sure
	different words?	- Can you cut textile?	that tools & surfaces are clean?
	- Can you say why you have chosen moving	- Can you explain why you chose a certain	
	parts?	textile?	
Y2	Food Cooking and nutrition: Preparing fruit	Freestanding Structures	Mechanisms: Sliders and Leavers
	and vegetables	Can I design, make and evaluate a chair for	Can I design, make and evaluate a moving
	Can I design, make and evaluate a	grandad?	dinosaur?
	healthy fruit snack?	-Can you think of ideas based upon	- Can you think of some ideas of your own?
	- Knowledge, skills and understanding:	investigations of products?	- Can you use pictures and words to plan?
	- Can you think of some ideas of your own?	- Can you plan what to do next based on	- Can you generate ideas for purposeful
	- Can you use pictures and words to plan?	experience of working with	designs?
	- Can you generate ideas for purposeful	materials?	- Can you explain what you want to do?
	designs?	- Can you describe your design by using	- Can you explain what you are making and
	- Can you explain what you want to do?	pictures, diagrams, models and	which tools are you using?





	- Can you explain what you are making and	words?	- Can you describe how something works?
	which tools are you using?	- Can you join things (materials/components)	- Can you talk about your own work and
	- Can you describe how something works?	together?	describe how something works?
	- Can you talk about your own work and	- Can you join things (materials/components)	- Can you recognise features of familiar
	describe how something works	together in different ways?	products?
	- Can you recognise features of familiar	- Can you join materials together as part of a	- Can you make a product which moves?
	products?	moving product?	- Can you cut materials using scissors?
	- Can you cut food safely?	- Can you add some kind of design to your	- Can you describe the materials using
	- Can you describe the texture of foods?	product?	different words?
	- Do you wash your hands and make sure that	- What went well with your work?	- Can you say why you have chosen moving
	tools & surfaces are	- If you did it again, what would you want to	parts?
	clean?	improve?	
Y3	Food: Cooking and nutrition:	Structures: Constructing	Mechanical Systems: Pneumatic toys
	Can I design, make and evaluate a healthy	Can I design, make and evaluate a lunchbox?	Can I design, make and evaluate a boat?
	cereal bar?	-Can you choose the best tools and materials?	-Can you think of ideas based upon
	-Can you choose the best tools and	-Can you give a reason	investigations of products?
	materials?	why these are best?	- Can you plan what to do next based on
	-Can you give a reason why these are best?	- Can you describe your design using an	experience of working with
	- Can you describe your design using an	accurately labelled sketch and	materials?
	accurately labelled sketch and words?	words?	- Can you describe your design by using
	- Can you join and combine materials and	- Can you join and combine materials and	pictures, diagrams, models and
	components in a variety of ways to make a	components	words?
	functional product?	in a variety of ways to make a functional	- Can you join things
	- Can you use equipment and tools	product?	(materials/components) together?
	accurately?	-Can you use equipment and tools accurately?	- Can you join things materials/components)
	What went well with your work?	What went well with your work?	together in different
	- If you did it again, what would you want to	- If you did it again, what would you want to	ways?
	improve?	improve	- Can you join materials together as part of a
	- Can you describe the properties of the	- Can you measure materials to use in a model	moving product?
	ingredients you are using?	or structure?	- Can you add some kind of design to your
	- Can you explain what it means to be	- Can you join material in different ways?	product?
	hygienic?	- Can you join, fold or roll material to make it	- What went well with your work?
	- Are you hygienic in the kitchen?	stronger?	





			- If you did it again, what would you want to improve?
Y4	Food: Cooking and Nutrition	Electrical Systems: Simple circuits	Textiles: Fastenings
	Adapting a recipe	and switches	2-D shape to 3-D product
	Can I design, make and evaluate different	Can I design, make and evaluate a torch?	Can I design, make and evaluate a piece of
	types of bread?	-Can you describe your design using	ancient Greek clothing?
	-Can you describe your design using an	an accurately labelled sketch and	- Can you describe your design using an
	accurately labelled sketch and words?	words?	accurately labelled sketch and words?
	- Can you show that your design meets a	- Can you show that your design	- Can you show that your design meets a
	range of requirements?	meets a range of requirements?	range of requirements?
	- How realistic is your plan?	- How realistic is your plan?	- How realistic is your plan?
	- Can you put together a step-by-step plan	- Can you put together a step-by	- Can you put together a step-by-step plan
	which shows the sequence and also what	step plan which shows the sequence and also	which shows the sequence and also what
	equipment and tools you need?	what equipment and tools	equipment and tools you need?
	-Can you use equipment and tools	you need?	-Can you use equipment and tools
	accurately?	-Can you use equipment and tools accurately?	accurately?
	- What did you change which made your	- What did you change which made your design	- What did you change which made your
	design even better?	even better?	design even better?
	- Can you choose the right ingredients for a	- Do you select the most appropriate	- Can you join textiles of different types in
	product?	tools & techniques?	different ways?
	- Can you use equipment safely?	- Can you make a product which uses both	- Can you choose textiles both for their
	- Can you make sure that your product looks	electrical & mechanical components?	appearance and their qualities?
	attractive?	- Can you use a simple circuit?	
	- Can you describe how your combined	- Can you use a number of	
	ingredients come together?	components?	
Y5	Electrical systems: More complex switches	Cooking and nutrition: Developing a recipe	Mechanical Systems: Cams
	and circuits	Can I design, make and evaluate a meal	Can I design, make and evaluate a moving
	Can I design, make and evaluate a doodler?	suitable for a family?	message?
	- Can you follow and refine your plan if	- Can you put together a step-by-step plan	-What is a cam and how does it work?
	necessary?	which shows the sequence	Research different cam movements by
	- Can you justify your plan to someone else?	and also what equipment and tools you need?	making a prototype.
	- Can you use a range of data to inform your	- Can you come up with a range of ideas after	-Can you design your own moving message?
	design?	you have collected information?	





Υ6	- Can you use market research to inform plans? - Can you work within constraints? - Do you consider cultural & societal factors in your designs? - Can you use a range of tools, ingredients, equipment, components and materials precisely? - Do you change the way you are working if needed? How well do you test and evaluate your final product? - Can you show that it is fit for purpose? - What would improve it? - Would different resources have improved your product? - Would you need more or different information to make it even better? - Do you select the most appropriate tools & techniques? - Can you make a product which uses both electrical & mechanical components? - Can you use a simple circuit? - Can you use a number of components? - Can you use different kinds of circuit in your product? Food: Cooking and Nutrition. Balanced diet	- Can you use equipment and tools accurately? - Is your finished product going to be of good quality? - Do you keep checking that your design is the best it can be? - Can you choose the right ingredients for a product? - Can you use equipment safely? - Can you make sure that your product looks attractive? - Can you describe how your combined ingredients come together? - Can you explain how your product should be stored with reasons?	Decide on their target audience and message they want to get across, then design their own moving message (ensuring they've included measurements). -Can you create your own moving message? Build their moving message. -Can you evaluate your work? Evaluate their work deciding on what they would improve if they were to do it again.
10	Can I design, make and evaluate a protein bar for a mountaineer?	Can I design, make and evaluate a steady hand game?	Can I design, make and evaluate a fabric book sleeve?
	- Can you put together a step-by-step plan	- Can you follow and refine your plan if	- Can you put together a step-by-step plan
	which shows the sequence	necessary?	which shows the sequence and also what





and also what equipment and tools you need?

- Can you come up with a range of ideas after you have collected information?
- Can you use equipment and tools accurately?
- Is your finished product going to be of good quality?
- Do you keep checking that your design is the best it can be?
- Can you choose the right ingredients for a product?
- Can you use equipment safely?
- Can you make sure that your product looks attractive?
- Can you describe how your combined ingredients come together?
- Can you explain how your product should be stored with reasons?

- Can you justify your plan to someone else?
- Can you use a range of data to inform your design?
- Can you use market research to inform plans?
- Can you work within constraints?
- Do you consider cultural & societal factors in your designs?
- Can you use a range of tools, ingredients, equipment, components and materials precisely?
- Do you change the way you are working if needed?

How well do you test and evaluate your final product?

- Can you show that it is fit for purpose?
- What would improve it?
- Would different resources have improved your product?
- Would you need more or different information to make it even better?
- Do you select the most appropriate tools & techniques?
- Can you make a product which uses both electrical & mechanical components?

equipment and tools you need?

- Can you come up with a range of ideas after you have collected information?
- Can you use equipment and tools accurately?
- Is your finished product going to be of good quality?
- Do you keep checking that your design is the best it can be?
- Can you join textiles of different types in different ways?
- Can you choose textiles both for their appearance and their qualities?
- Could your product be sold?
- What would improve it even more?