

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Reception	Express ideas creatively	Express ideas creatively	Express ideas creatively	Express ideas creatively	Express ideas creatively	Express ideas creatively
Year 1	Construction Can I talk with others about how they want to construct their product? Can I select appropriate resources and tools for building projects? Can I make simple plans for making objects?		Textiles Can I describe how different textiles feel? Can I make a product from textile by glueing?	Cooking and Nutrition Can I cut food safely? Can they describe the texture of foods? Can I wash my hands and make sure that surfaces are clean? Can I think of interesting ways of decorating food they have made?	Mechanisms Can I make a product that moves? Can I cut materials using scissors? Can I describe materials using different words? Can I say why I have chosen moving parts?	Use of Materials Can I make a structure/model using different materials? Can I make a model stronger if it needs to be?
	Developing, Planning and Communicating Ideas Can they think of some ideas of their own? Can they explain what they want to do? Can they use pictures and words to plan?		Working with Tools, equipment, materials and components to make quality products Can they explain what they are making? Which tools are they using?		Evaluating Processes and Products Can they describe how something works? Can they talk about their own work and things that other people have done?	
Year 2	Cooking and Nutrition Can I describe properties of the ingredients I am using? Can I explain what it means to be hygienic?	Textiles Can I measure textiles? Can I join textiles to make something? Can I cut textiles? Can I explain why they choose a certain textile?	Mechanisms Can I join materials together as part of a moving product? Can I add some kind of design to their product?	Use of Materials Can I measure materials to use in a model or structure? Can I join material in different ways? Can I use joining, folding or rolling to make it stronger?	Construction Can I make sensible choices as to which material to use for my constructions? Can I develop my own ideas from initial starting points? Can I incorporate some type of movement into models? Can I consider how to improve my construction?	
	Developing, Planning and Communicating Ideas Can they think of ideas and plan what to do next? Can they choose the best tools and materials? Can they give a reason why these are best? Can they describe their design by using pictures, diagrams, models and words?		Working with Tools, equipment, materials and components to make quality products Can they join things (materials/ components) together in different ways?		Evaluating Processes and Products What went well with their work? If they did it again, what would they want to improve?	
Year 3	Textiles Can I join textiles of different types in different ways? Can I choose textiles both for their appearance and also qualities?	Cooking and Nutrition Can I choose the right ingredients for a product? Can they use equipment safely? Can I make sure that their product looks attractive? Can I describe how their combined ingredients come together? Can I they set out to grow plants such as cress and herbs from seed with the intention of using them for their food product?	Electrical and Mechanical Components Can I select the most appropriate tools and techniques to use for a given task? Can I they make a product which uses both electrical and mechanical components? Can I use a simple circuit? Can I they use a number of components?	Stiff and Flexible Sheet Materials Can I use the most appropriate materials? Can I they work accurately to make cuts and holes? Can I they join materials?	Cooking and Nutrition Can I choose the right ingredients for a product? Can they use equipment safely? Can I make sure that their product looks attractive? Can I describe how their combined ingredients come together? Can I they set out to grow plants such as cress and herbs from seed with the intention of using them for their food product?	Mouldable Materials Can I select the most appropriate materials? Can I they use a range of techniques to shape and mould? Can I use finishing techniques?
	Developing, Planning and Communicating Ideas Can they show that their design meets a range of requirements? Can they put together a step-by-step plan which shows the order and also what equipment and tools they need? Can they describe their design using an accurately labelled sketch and words? How realistic is their plan?		Working with Tools, equipment, materials and components to make quality products Can they use equipment and tools accurately?		Evaluating Processes and Products What did they change which made their design even better?	

Year 4	<p>Textiles</p> <p>Can I think what the user would want when choosing textiles? Can I think about how to make their product strong? Can I devise a template? Can I explain how to join things in a different way?</p>	<p>Cooking and Nutrition</p> <p>Can I know what to do to be hygienic and safe? Can I think what they can do to present their product in an interesting way?</p>	<p>Electrical and Mechanical Componenets</p> <p>Can I add things to their circuits? Can I alter products after checking it? Am I confident about trying out new and different ideas?</p>	<p>Stiff and Flexible Sheet Materials</p> <p>Can I measure carefully so as to make sure they have not made mistakes? Can I attempt to make their product strong?</p>	<p>Cooking and Nutrition</p> <p>Can I know what to do to be hygienic and safe? Can I think what they can do to present their product in an interesting way?</p>	<p>Mouldable Materials</p> <p>Can I take time to consider how they could have made their idea better? Can I work at my product even though my original idea might not have worked?</p>
	<p>Developing, Planning and Communicating Ideas</p> <p>Can they come up with at least one idea about how to create their product? Do they take account of the ideas of others when designing? Can they produce a plan and explain it to others? Can they suggest some improvements and say what was good and not so good about their original design?</p>		<p>Working with Tools, equipment, materials and components to make quality products</p> <p>Can they tell if their finished product is going to be good quality? Are they conscience of the need to produce something that will be liked by others? Can they show a good level of expertise when using a range of tools and equipment?</p>		<p>Evaluating Processes and Products</p> <p>Have they thought of how they will check if their design is successful? Can they begin to explain how they can improve their original design? Can they evaluate their product, thinking of both appearance and the way it works?</p>	
Year 5	<p>Electrical and Mechanical Componenets</p> <p>Can I incorporate a switch into their product? Can I refine their product after testing it? Can I incorporate hydraulics and pneumatics?</p>	<p>Cooking and Nutrition</p> <p>Can I know what to do to be hygienic and safe? Can I think what they can do to present their product in an interesting way?</p>	<p>Mouldable Materials</p> <p>Can I refine and improve their product? Can I persevere through different stages of the making process?</p>	<p>Textiles</p> <p>Can I think what the user would want when choosing textiles? Can I make my product attractive and strong? Can I make up a prototype first? Can I use a range of joining techniques?</p>	<p>Cooking and Nutrition</p> <p>Can I know what to do to be hygienic and safe? Can I think what they can do to present their product in an interesting way?</p>	<p>Stiff and Flexible Sheet Materials</p> <p>Are my measurements accurate enough to ensure that everything is precise? Can I ensure that my product is strong and fit for purpose?</p>
	<p>Developing, Planning and Communicating Ideas</p> <p>Can they come up with a range of ideas after they have collected information? Do they take a user's view into account when designing? Can they produce a detailed step-by-step plan? Can they suggest some alternative plans and say what the good points and drawbacks are about each?</p>		<p>Working with Tools, equipment, materials and components to make quality products</p> <p>Can they explain why their finished product is going to be of good quality? Can they explain how their product will appeal to the audience? Can they use a range of tools and equipment expertly?</p>		<p>Evaluating Processes and Products</p> <p>Do they keep checking that their design is the best it can be? Do they check whether anything could be improved? Can they evaluate appearance and function against the original criteria?</p>	
Year 6	<p>Electrical and Mechanical Componenets</p> <p>Can I use different kinds of circuit in their product? Can I think of ways in which adding a circuit would improve their product?</p>	<p>Cooking and Nutrition</p> <p>Can I explain how their product should be stored with reasons? Can I set out to grow their own products with a view to making a salad, taking account of time required to grow different foods?</p>	<p>Mouldable Materials</p> <p>Can I consider the use of the product when selecting materials? Can I create a product that meets all design criteria?</p>	<p>Textiles</p> <p>Can I think about how their product could be sold? Can I give considered thought about what would improve their product even more?</p>	<p>Cooking and Nutrition</p> <p>Can I explain how their product should be stored with reasons? Can I set out to grow their own products with a view to making a salad, taking account of time required to grow different foods?</p>	<p>Stiff and Flexible Sheet Materials</p> <p>Can I justify why they selected specific materials? Can I work within a budget? Can I ensure that my work is precise and accurate? Can I hide joints so as to improve the look of their product?</p>
	<p>Developing, Planning and Communicating Ideas</p> <p>Can they use a range of information to inform their design? Can they use market research to inform plans? Can they work within constraints? Can they follow and refine their plan if necessary? Can they justify their plan to someone else? Do they consider culture and society in their designs?</p>		<p>Working with Tools, equipment, materials and components to make quality products</p> <p>Can they use tools and materials precisely? Do they change the way they are working if needed?</p>		<p>Evaluating Processes and Products</p> <p>How well do they test and evaluate their final product? Is it fit for purpose? What would improve it? Would different resources have improved their product? Would they need more or different information to make it even better?</p>	