

Inspire	Design Technology National Curriculum Requirements KS1	I can	A 1	A2	Sp1	Sp 2	Su 1	Su 2
1	Design: Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.	I can plan out my designs, create sketches and templates, talking through my strengths and weaknesses. When appropriate, I can use ICT to support this process	Yr1 Yr2	Yr1	Yr2		Yr1	
2	Design: Design purposeful, functional, appealing products for themselves and other users based on design criteria.	I can make designs that can appeal to a specific audience or purpose	Yr1 Yr2	Yr1	Yr2		Yr1	
3	Make: Select from and use a range of tools and equipment to perform practical tasks.	I can choose from a range of tools and equipment to help me create high quality products	Yr1 Yr2	Yr1	Yr2		Yr1	
4	Make: Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.	I can carefully select the right materials, fabrics and ingredients depending on the intended end product	Yr1 Yr2	Yr1	Yr2		Yr1	
5	Evaluate: Explore and evaluate a range of existing products.	I can explore existing products, evaluating their strengths and weaknesses before designing my own	Yr1 Yr2	Yr1	Yr2		Yr1	
6	Evaluate: Evaluate their ideas and products against design criteria.	I can review the effectiveness of my products against my initial plans and ideas	Yr1 Yr2		Yr2		Yr1	
7	Technical Knowledge: Build structures, exploring how they can be made stronger, stiffer and more stable.	I can explore a range of ways to make structures stronger and more stable	Yr1		Yr2		Yr1	
8	Technical Knowledge: Explore and use mechanisms in their products.	I can design and work with simple mechanisms including levers, slides and wheels on my products	Yr1		Yr2		Yr1	
9	Cooking and Nutrition: Use the basic principles of a healthy and varied diet to prepare dishes.	I can understand the importance of healthy eating and use this to help make simple dishes	Yr2	Yr1		Yr2		
10	Cooking and Nutrition: Understand where food comes from.	I can investigate where different types of food come from, both locally and further afield	Yr2	Yr1		Yr2		



Inspire	Design Technology National Curriculum Requirements KS2	I can	A 1	A2	Sp1	Sp 2	Su 1	Su 2
1	Design: Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.	I can research existing products to help identify the success criteria for my own designs, ensuring products are appealing, fit for purpose and suitable for specific roles	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4 Yr5 Yr6	Yr3	Yr5
2	Design: Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.	I can map out his designs from different perspectives and can draw and label diagrams of the individual components. I can create test models of my products and uses ICT software to help in the design process	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4 Yr5 Yr6	Yr3	Yr5
3	Make: Select from and use a wider range of tools and equipment to perform practical tasks.	I can select the most appropriate tools and resources, and uses them proficiently to achieve a high-quality end result	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4/5 Yr5	Yr3	Yr5
4	Make: Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	I base my choice of materials, fabrics or ingredients on their properties; their suitability for the purpose, and how aesthetically pleasing they are	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4 Yr5 Yr6	Yr3	Yr5
5	Evaluate: Investigate and analyse a range of existing products.	I can analyse and evaluated existing products to develop ideas and create success criteria for my own work	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4 Yr5 Yr6	Yr3	Yr5
6	Evaluate: Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.	I can self-evaluate my own work against the success criteria and use this, along with user-feedback, to improve my products	Yr4 Yr6	Yr3 Yr4	Yr5	Yr4/5 yr5 yr6	Yr3	Yr5
7	Evaluate: Understand how key events and individuals in design and technology have helped shape the world.	I can explore the work of designers and key events and can talk ably about how these have impacted on and shaped the world we live in				Yr5 Yr6		
8	Technical Knowledge: Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.	I can use my knowledge and understanding of structures and the properties of materials to strengthen and reinforce a range of complex structures	Yr6	Yr3 Yr4	Yr5	Yr4		
9	Technical Knowledge: Understand and use mechanical systems in their products.	I can design and build projects using cams, pulleys, gears and linkages	Yr6		Yr5			
10	Technical Knowledge: Understand and use electrical systems in their products.	I can build a range of electrical circuits with bulbs, buzzers, switches and motors to develop my products	Yr6	Yr4				
11	Technical Knowledge: Apply their understanding of computing to program, monitor and control their products.	I can write simple computer programs to help control and monitor my products	Yr6					
12	Cooking and Nutrition: Understand and apply the principles of a healthy and varied diet.	I understand the importance of healthy eating and the need for a varied diet to prepare suitably healthy dishes	Yr4			Yr6	Yr3	
13	Cooking and Nutrition: Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.	I can use range of cooking techniques to prepare a number of savoury and some sweet dishes	Yr4			Yr6	Yr3	
14	Cooking and Nutrition: Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.	I knows where a range of different ingredients are grown and reared, how some food is caught and how it is processed	Yr4			Yr6	Yr3	