

Curriculum Coverage Overview – Design and Technology

<u>Key Stage One</u>												
	<u>Year 1</u>						<u>Year 2</u>					
	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
Design												
Design purposeful, functional, appealing products for themselves and other users based on design criteria.			X	X	X		X	X		X	X	
Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.			X	X	X		X	X	X	X	X	
Make												
Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing].				X				X			X	X
Select from and use a wide range of materials and components, including construction materials, textiles and ingredients,	X			X		X		X		X	X	X

according to their characteristics.												
Evaluate												
Explore and evaluate a range of existing products.		X	X		X					X		X
Evaluate their ideas and products against design criteria.		X				X				X		X
Technical knowledge												
Build structures, exploring how they can be made stronger, stiffer and more stable.	X	X	X			X				X		
Explore and use mechanisms [for example, levers, sliders, wheels and axles] in their products.		X									X	
Cooking and Nutrition												
Use the basic principles of a healthy and varied diet to prepare dishes.	X		X		X	X	X	X				X
Understand where food comes from.				X			X					

<u>Lower Key Stage Two Potton Lower School</u>												
	<u>Year 3</u>						<u>Year 4</u>					
	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
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	X	X	X	X			X	X	X	X		
generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	X	X	X	X			X	X	X	X		
Make												
select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately		X	X					X				
select from and use a wider range of materials and components, including	X	X	X		X		X	X	X	X	X	X

switches, bulbs, buzzers and motors]												
apply their understanding of computing to program, monitor and control their products												
Cooking And Nutrition												
Understand and apply the principles of a healthy and varied diet.				X						X		
Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.				X			X					X
Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.				X								

Upper Key Stage Two Potton Middle School												
	Year 5						Year 6					
	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2	Aut1	Aut 2	Spr 1	Spr 2	Sum 1	Sum 2
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	X	X						X				
generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	X	X						X				
Make												
select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately				X								
select from and use a wider range of materials and components, including	X			X	X	X	X	X		X		X

switches, bulbs, buzzers and motors]												
apply their understanding of computing to program, monitor and control their products												X
Cooking And Nutrition												
Understand and apply the principles of a healthy and varied diet.												X
Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.							X	X				X
Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.				X								