




## National Curriculum Coverage by Kapow's themes and topics



Key stage 1 National Curriculum D&T subject content	D&T Strands	Kapow Topics	
Pupils should be taught to:		Year 1	Year 2
Design purposeful, functional, appealing products for themselves and other users based on design criteria		Windmills Wheels and Axles	Moving Monsters Pouches
Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology		Windmills, Wheels and Axles	Moving Monsters Pouches
Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]		Windmills Wheels and Axles	Moving Monsters Pouches

Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics	Make	Windmills Wheels and Axles Smoothies	Moving Monsters Pouches A Balanced Diet
Explore and evaluate a range of existing products	Evaluate	Windmills Wheels and Axles Smoothies	Moving Monsters Pouches A Balanced Diet
Evaluate their ideas and products against design criteria	Evaluate	Windmills Wheels and Axles	Moving Monsters Pouches
Build structures, exploring how they can be made stronger, stiffer and more stable	Technical Knowledge	Windmills	
Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.	Technical Knowledge	Wheels and Axles	Moving Monsters
<b>Cooking and Nutrition:</b> Use basic principles of a healthy and varied diet to prepare dishes	Technical Knowledge	Fruit and Vegetable Smoothie	A Balanced Diet
<b>Cooking and Nutrition:</b> Understand where food comes from	Technical Knowledge	Fruit and Vegetable Smoothie	A Balanced Diet

Key stage 2 National Curriculum Computing subject content	D&T Strands	Kapow Topics			
Pupils should be taught to:		Y3	Y4	Y5	Y6
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	Design	Eating Seasonally Castles Cushions	Slingshot Cars Torches Adapting a Recipe	Pop-Up Books Greetings Cards What Could Be Healthier?	Playgrounds Waistcoats
Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design	Design	Castles Cushions	Slingshot Cars Torches	Pop-Up Books Greetings Cards What Could Be Healthier?	Playgrounds Waistcoats
Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately	Make	Castles Cushions	Slingshot Cars Torches	Pop-Up Books Greetings Cards	Playgrounds Waistcoats

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	Make	Eating Seasonally Castles Cushions	Slingshot Cars Torches Adapting a Recipe	Pop-Up Books Greetings Cards What Could Be Healthier?	Playgrounds Waistcoats
Investigate and analyse a range of existing products	Evaluate	Castles Cushions	Slingshot Cars Torches Adapting a Recipe	Pop-Up Books Greetings Cards	Playgrounds Waistcoats
Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work	Evaluate	Castles Cushions	Slingshot Cars Torches Adapting a Recipe	Pop-Up Books Greetings Cards	Playgrounds Waistcoats
Understand how key events and individuals in design and technology have helped shape the world	Evaluate		Slingshot Cars Torches	What Could Be Healthier?	
Apply their understanding of how to strengthen, stiffen and reinforce more complex structures	Technical Knowledge	Castles			Playgrounds

Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]	Technical Knowledge		Slingshot Cars	Pop-Up Books	
Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]	Technical Knowledge		Torches	Greetings Cards	
Apply their understanding of computing to program, monitor and control their products.	Technical Knowledge		Torches		Computing > Bletchley Park 2***
<b>Cooking and Nutrition:</b> Understand and apply principles of a healthy and varied diet	Technical Knowledge	Eating Seasonally	Adapting a Recipe	What Could Be Healthier?	
<b>Cooking and Nutrition:</b> Prepare and cook variety of predominantly savoury dishes using a range of cooking techniques	Make	Eating Seasonally	Adapting a Recipe	What Could Be Healthier?	
<b>Cooking and Nutrition:</b> Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed	Technical Knowledge	Eating Seasonally	Adapting a Recipe	What Could Be Healthier?	