

KS1 Knowledge and Skills – Design & Technology

Knowledge and Skills	Year/Topic
Aims	
Develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire YB Spring 1 – Amazing individuals YB Summer 2 – Forever changing me
Build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users	YA Spring 1 – Terrific Toys YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire YB Spring 1 – Amazing individuals YB Summer 2 – Forever changing me
Critique, evaluate and test their ideas and products and the work of others	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Summer 2 – Forever changing me
Understand and apply the principles of nutrition and learn how to cook	YA Spring 2 – Castles
Design	
Design purposeful, functional, appealing products for themselves and other users based on design criteria	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire YB Spring 1 – Amazing individuals YB Summer 2 – Forever changing me
Generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire
Make	
select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing]	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Summer 2 – Forever changing me
Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 1 – Heroes YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire
Evaluate	
Explore and evaluate a range of existing products	YA Spring 1 – Terrific Toys YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Spring 1 – Amazing individuals YB Summer 2 – Forever changing me
Evaluate their ideas and products against design criteria	YA Spring 1 – Terrific Toys YA Summer 2 – At the Beach YB Spring 1 – Amazing individuals

	YB Summer 2 – Forever changing me
Technical Knowledge	
Build structures, exploring how they can be made stronger, stiffer and more stable	YA Spring 2 – Let’s Go to China YA Summer 2 – At the Beach YB Autumn 2 – Fire Fire
Explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products	YA Spring 1 – Terrific Toys
Cooking and Nutrition	
Use the basic principles of a healthy and varied diet to prepare dishes	YA Spring 2 – Castles
Understand where food comes from.	YA Spring 2 – Castles