



Year 2

COMPONENT SKILL

Design

To design purposeful, functional and appealing products for themselves and other users.

To draw on a range of ideas to inform and influence their designs.

To research pre-existing designs and use these ideas to inform their own designs.

To have own ideas and plan what to do next.

To identify purposeful and specific criteria for their designs.

To follow a given success criteria.

To communicate their ideas through a variety of methods.

To use pictures, words, models and diagrams to plan.

To begin to use ICT.

To create, discuss and share their designs with others.

To explain what their design is for and discuss design decisions.

COMPONENT SKILL

Make

To select from and use a range of tools, equipment, materials and components.

To cut and join materials together using a variety of techniques.

To measure, mark and cut out with increasing confidence..

To join materials using glue and scissors.

To shape and finish their designs using a variety of techniques.

To shape their design with support.

To use finishing techniques to make their product look good.

To choose appropriate materials and components to make their designs.

To choose suitable materials and explain why based on their properties.

To choose appropriate tools and equipment to make their design.

To select tools and explain why and how they are used.

COMPONENT SKILL

Evaluate

To explore and evaluate a range of existing products and their own ideas and products.

To research and evaluate existing designs and products.

To evaluate how good existing products are and express their personal opinion.

To recall facts about some famous inventors/inventions in history.

To evaluate and adapt their own designs as they plan them.	To evaluate the usefulness of pictures, labels and diagrams based on a given success criteria.
To evaluate and adapt their own designs as they make them.	To discuss different approaches (materials/tools/techniques) to the making process.
To evaluate their final product against a specific success criteria and reflect on how they could improve their designs in future.	To talk about what could be done differently next time.
COMPONENT SKILL Technical Knowledge To build structures, exploring how they can be improved and understand and use mechanisms in their products.	
To learn how to make structures more robust and fit for purpose.	To use own ideas to make products stronger.
To use a variety of mechanisms and mechanical systems in their designs.	To use levers/slides and wheels/axels.
To use electrical systems in their designs when appropriate.	To understand that metal conducts electricity and how to stay safe. [non-statutory]
COMPONENT SKILL Cooking and Nutrition To use the basic principles of a healthy and varied diet to prepare dishes and understand where food comes from.	
To understand and reflect on what it means to follow a healthy diet and lifestyle.	To identify where food comes from (e.g. farmed, caught, reared, home-grown)
To understand and reflect on where food comes from and the wider global context.	To identify where food comes from (e.g. farmed, caught, reared, home-grown)
To select and present recipes in a variety of interesting ways.	To shape and finish a product or dish to make it look appealing.
To learn key skills in the preparation of food, including safety and hygiene.	To cut, peel and grate with some independence.
	To explain what hygiene means and how to be hygienic when handling food.