

## Kimbolton Primary Academy

Newtown, Kimbolton, Huntingdon, Cambs PE28 0HY

Tel No: 01480 860743

Fax No: 01480 861369

E-mail: [office@kimboltonprimaryacademy.cambs.sch.uk](mailto:office@kimboltonprimaryacademy.cambs.sch.uk)

Website: [www.kimboltonprimaryacademy.cambs.sch.uk](http://www.kimboltonprimaryacademy.cambs.sch.uk)

Executive Head: Mrs Suzi Whiting



## Key stage 2 Design and Technology

- ❖ 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.
- ❖ Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams.
- ❖ Generate, develop, model and communicate their ideas through prototypes, pattern pieces and computer-aided designs.
- ❖ Select from and use a wider range of tools and equipment to perform practical tasks accurately.
- ❖ Select from and use a wider range of materials and components, textiles and ingredients according to their functional properties and aesthetic qualities.
- ❖ Investigate and analyse a range of existing products.
- ❖ Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.
- ❖ Understand how key events and individuals in design and technology have helped shape the world.
- ❖ Understand and use electrical systems in their products.
- ❖ Apply their understanding of computing to programme, monitor and control their products.
- ❖ Understand and apply the principles of a healthy and varied diet.
- ❖ Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
- ❖ Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.
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## Year 5 Objectives:

- ❖ I can come up with a range of ideas after collecting information from a range of sources.
- ❖ I can provide a detailed step by step plan.
- ❖ I can suggest alternative plans; outlining the positive features and draw backs.



- ❖ I can explain how a product can appeal to a specific audience.
- ❖ I can evaluate appearance and function against the original criteria.
- ❖ I can use a range of tools and equipment competently.
- ❖ I can make a prototype before making a final version.
- ❖ I show that I can be both hygienic and safe in the kitchen.