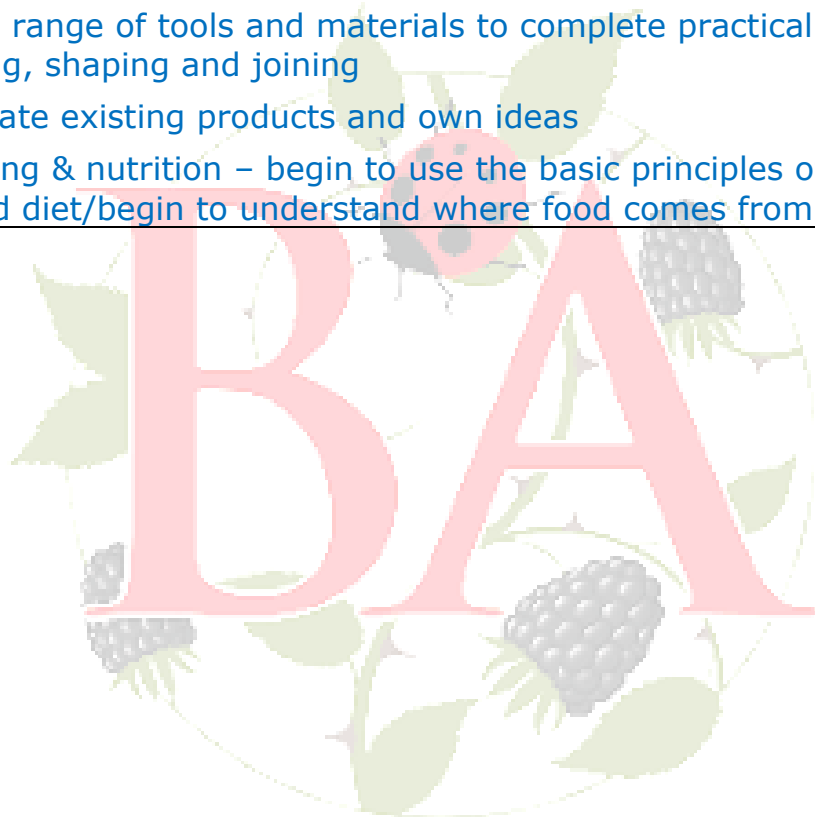


SUBJECT AREA: Design & Technology

End of year expectations:

Year 1

- Begin to design purposeful, functional and appealing products
- Generate, model and communicate their ideas through talking, drawing and templates
- Use a range of tools and materials to complete practical tasks i.e. cutting, shaping and joining
- Evaluate existing products and own ideas
- Cooking & nutrition – begin to use the basic principles of a healthy and varied diet/begin to understand where food comes from



End of year expectations:

Year 2

- Confidently design purposeful, functional and appealing products
- Generate, model and communicate their ideas through mock ups and, where appropriate, information and communication technology
- Use a range of tools and materials to complete practical tasks such as cutting, shaping, joining and finishing
- Evaluate existing products against design criteria
- Cooking & nutrition – use the basic principles of a healthy and varied diet/understand where food comes from



End of year expectations:

Year 3

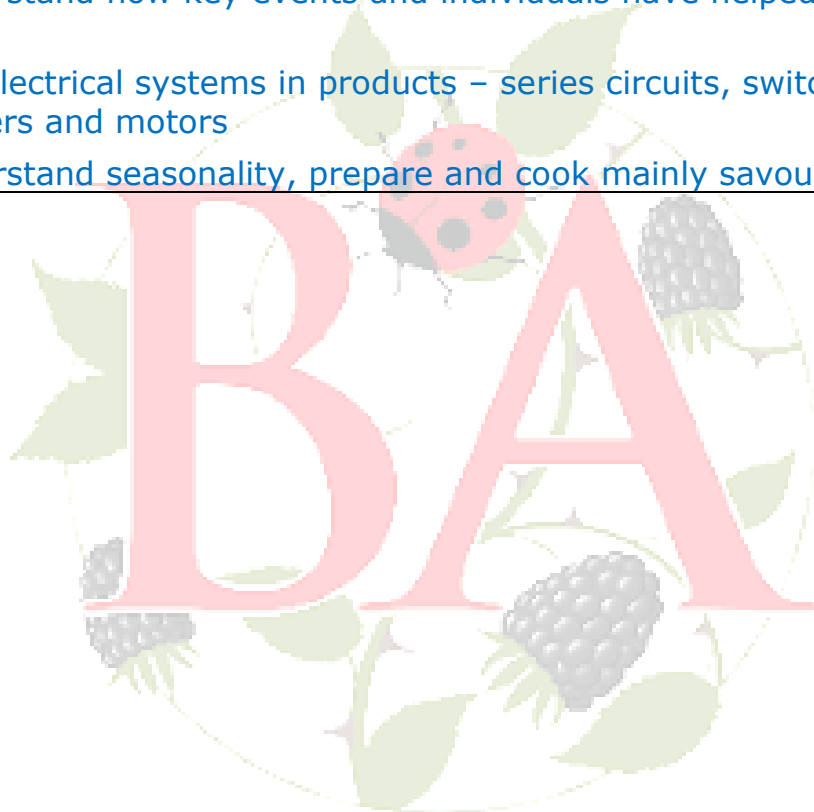
- Use research and criteria to develop products which are fit for purpose
- Use annotated sketches and prototypes to explain ideas
- Use a wide range of materials - textiles
- Evaluate existing products and improve own work
- Use mechanical systems in own work – cams, levers and linkages
- Understand seasonality, prepare and cook mainly savoury dishes



End of year expectations:

Year 4

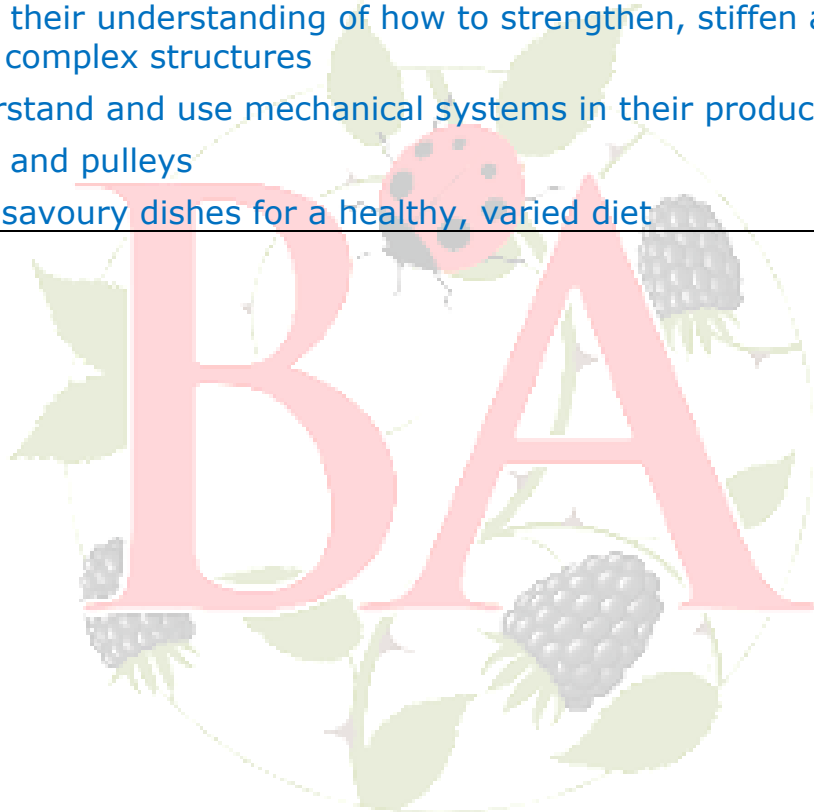
- Use research and criteria to develop products which are fit for purpose
- Select from and use a wide range of materials - ingredients
- Use annotated sketches and prototypes to explain ideas
- Evaluate existing products and improve own work
- Understand how key events and individuals have helped shape the world
- Use electrical systems in products – series circuits, switches, bulbs, buzzers and motors
- Understand seasonality, prepare and cook mainly savoury dishes



End of year expectations:

Year 5

- Use research and criteria to develop products which are fit for purpose and aimed at specific groups
- Select from and use a wider range of tools and equipment to perform practical tasks i.e. cutting, shaping, joining and finishing
- Evaluate existing products and improve own work
- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- Understand and use mechanical systems in their products i.e.
- gears and pulleys
- Cook savoury dishes for a healthy, varied diet



End of year expectations:

Year 6

- Use research and criteria to develop products which are fit for purpose and aimed at specific groups
- Select from and use a wider range of materials and components including construction materials and textiles
- Evaluate existing products and improve own work
- Apply their understanding of computing to programme, monitor and control their products
- Cook savoury dishes for a healthy, varied diet

