

D.T

Year 5 and Year 6

SUBJECT AIMS - *By the end of KS2 children at WVPS will:*

- Develop creative vision, technical vocabulary and practical skills.
- Critically evaluate and test their own ideas, products and the work of others.
- Understand and apply principles of nutrition and learn how to cook.

In KS2 pupils should be taught:

Design

- 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, prototypes, pattern pieces and computer-aided design

Make

- 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, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities

Evaluate

- 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

Technical knowledge

- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures
- Understand and use mechanical systems in their products
- Understand and use electrical systems in their products
- Apply their understanding of computing to program, monitor and control their products

Cooking and nutrition

- 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

National Curriculum Links	Year 5	Term	Year 6	National Curriculum Links
	<td>Autumn 1</td> <td> <td></td> </td>	Autumn 1	<td></td>	
	<td>Autumn 2</td> <td> <td></td> </td>	Autumn 2	<td></td>	
	<td>Spring 1</td> <td> <td></td> </td>	Spring 1	<td></td>	
	<td>Spring 2</td> <td> <td></td> </td>	Spring 2	<td></td>	
	<td>Summer 1</td> <td> <td></td> </td>	Summer 1	<td></td>	
	<td>Summer 2</td> <td> <td></td> </td>	Summer 2	<td></td>	

inspire enjoy achieve

