

**Shevington Vale Primary Schemes of Work
DESIGN TECHNOLOGY**

Y6 Children will learn :	Level	Autumn	Spring	Summer
DEVELOPING, PLANNING AND COMMUNICATING IDEAS.	4/5			
To collect and analyse images and examples of designs as a base for own design- like a mood board.	5			
To study designers that create products – to build a bank of ideas.	5			
To independently disassemble products as a support for own design ideas.	5			
To make sketches of a range of alternative ideas.	4			
To draw detailed step by step labelled plans that can be followed by someone else.	5			
To record changes to their plans and annotate with reasons as to why changes need to be made.	5			
To decide whether to use model kits and drawings to formulate ideas or create a prototype of design idea.				
To independently create a success criteria to work to a high standard ensuring they work to precision and accuracy.	5			
FOOD				
About the need for and purpose of table manners and the reason for changes in eating habits through time. Link into History breadth of study.	5			
To select and prepare foods for a particular purpose and evaluate effectiveness.	4			
To be able to use the correct vocabulary for techniques e.g. beating, chopping, peeling, spreading	3/4			
To create a recipe with 6 or less ingredients for a purpose.	4			
To consider food in Britain across history and how and why it has changed and developed. Link to history.	5			
To select the appropriate scales and measure accurately and independently.	4			
To select the most appropriate tools and equipment suitable for the task.	4			
To present food attractively.	4			
To be responsible for own safety and show awareness of others.	4			
To select a balance diet for a range of dietary requirements.	5			
TEXTILES				
To produce high quality products both 2d and 3d, using patterns, prototypes and seam allowances with precision	5			
To extend stitch range with French knots, herringbone, double chain stitch and fly stitch. – these add to the ones learned in previous years. To experiment and create new effects with known stitches.	4			
To make purposeful choices of articles linked to the theme being studied.	4			
To independently make choices of materials to match need of the article.	4			
To make choices of decoration depending on the need of the article or user and justify these choices.	4			

To be aware of the restraint of a school budget when planning to meet the need of the user.	5			
CONSTRUCTION				
To learn to use a glue gun independently in a small group. Teacher to risk assess on knowing pupils. Risk assessment needed in weekly planning.	4			
To use a hand drill to drill tight and loose fit holes in a small group.	3			
To build a framework from corrugated plastic to hold a mechanism.	3			
To control a model using ICT control programme.	4			
To learn to use a cam to make an up and down mechanism.	3/4			
To cut balsa wood and dowel wood accurately to 1mm.	3/4			
SHEET MATERIALS				
To be able to assemble materials independently ready for a project and make appropriate risk assessment.	4			
To choose appropriate materials and justify choices.	4			
To reflect back across previous classes and create an info sheet on all skills needed as a resource bank that can be used as a prompt.	4			
To use a craft knife cutting mat and safety ruler on a 1-1 supervision with the teacher. Risk assessment needed in weekly planning.	3/4			
EVALUATING				
To test their product with the needs of the user in mind bearing in mind the constraints under which they are working.	5			
To use the design and success criteria created at the initial stage to improve the finished product as the project progresses.	5			
To know and understand why a high quality finish to the final product is important in the design process.	4			
To evaluate their choice of research sources in their final product.	5			
To make considered suggestions as to how their and others designs could be improved.	4			
To reflect on whether the design does meet the needs of the user.	4			
To give and accept constructive criticism in a way that is not threatening. Link to SEAL themes	4			