Chaucer Community Primary School — Design and Technology Overview — Leader: Miss Porter

Key Stage 1		
Term	**Year A**	**Year B**
Autumn	**Structures** (Investigating different techniques to make structures stronger. Joining materials appropriately for different situations.)	**Food** (Investigating diet/where food comes from. Learning simple chopping and measuring techniques.)
Spring	**Mechanisms** (Experimenting with levers and sliders to find different ways of moving things. Cutting and folding techniques.)	**Mechanisms** (Making vehicles with construction kits. Using a range of materials to make wheels/axles.)
Summer	**Food** (Investigating diet/where food comes from. Learning simple chopping and measuring techniques.)	**Textiles** (Joining, decorating and colouring fabrics. Cutting out fabrics using a template.)

Lower Key Stage 2		
Term	**Year A**	**Year B**
Autumn	**Food** (Exploring seasonality, where food is grown and healthy eating choices. Following recipes and combining a range of ingredients.)	**Food** (Exploring seasonality, where food is grown and healthy eating choices. Following recipes and combining a range of ingredients.)
Spring	**Mechanical systems** (Using gears, pulleys, levers and linkages.)	**Textiles** (Join fabrics using running stitch and blanket stich. Prototype patterns using J cloths.)
Summer	**Structures** (Create and strengthen shells and frames with diagonal struts.)	**Electrical Systems** (Incorporating a circuit into a model using switches, bulbs and buzzers. Using ICT to control products.)

Upper Key Stage 2		
Term	**Year A**	**Year B**
Autumn	**Textiles** (Creating 3D products using pattern pieces and seam allowance. Joining fabrics using a range of stitches.)	**Food** (Preparing food products taking into account the properties of ingredients and sensory characteristics. Using a range of cooking techniques.)
Spring	**Food** (Preparing food products taking into account the properties of ingredients and sensory characteristics. Using a range of cooking techniques.)	**Mechanical systems** (Using cams, pulleys and gears. Programming, monitoring and controlling using ICT.)
Summer	**Structures** (Using a hand drill and bradawl. Cutting strip wood and dowel accurately to 1mm.)	**Electronic systems** (Using switches, bulbs, buzzers and motors. Programming, monitoring and controlling using ICT.)