The Design & Technology Learning Journey

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 7						
Year 8						
Year 9 Resistant materials D&T	**Pin ball machine** Mechanisms Forces Timbers- cutting, joining, and finishing Designing and modelling demonstrating Iterative design Materials and components theory			**Polymer Clock** Thermoplastics Polymer forming and finishing Designing and modelling demonstrating Iterative design Materials and components theory		
Year 9 Textiles D&T	**Fashion** Decades of design Environmental textiles- Recycling and upcycling fashion garments. Textiles polymers- Thermoplastics Textiles cutting, shaping and finishing processes Designing and modelling demonstrating Iterative design Materials and components theory			**Interiors** Surface decoration and interior product manufacture Varied printing processes Colour theory Industrial manufacture Materials and components theory		
Y9 Food						
Year 10 Both Textiles and RM D&T students	**Lights** To design and make a lamp creating wire framework and shade- stand is to consider environmental design and upcycle a product for the base. Environmental design Art Deco and Art Nouveau Electronics Metal manipulation- forming and finishing including welding Screen printing, free hand embroidery and Devore Mould manufacture Materials and components theory Mass production theory				NEA mock to develop drawing and modelling skills	GCSE NEA commences Criteria 1 complete.

Y10 Food						
Year 11 D&T	GCSE NEA iterative design process of designing and modelling	GCSE NEA iterative design development and mock exam revision	GCSE NEA Production of final prototype	GCSE Evaluation and completion of NEA	GCSE exam revision	
Year 11 Food	GCSE NEA					
Year 12	GCE Mock NEA based upon product improvement Design & Making Principals Theory	GCE Mock NEA based upon product improvement Design & Making Principals Theory	GCE Mock NEA based upon product improvement Design & Making Principals Theory	GCE Full NEA based upon student's own choice Technical Principals Theory	GCE Full NEA based upon student's own choice Technical Principals Theory	GCE Full NEA based upon student's own choice Technical Principals Theory
Year 13	GCE NEA iterative design process of designing and modelling	GCE NEA iterative design development and mock exam revision	GCE NEA Production of final prototype	GCE Evaluation and completion of NEA	GCE exam revision	