Long term curriculum plan

Subject: Design and Technology

Threads in design and technology

Design and Evaluation	Structures	Mechanisms	Textiles	Electrical systems

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYSF1	**Me and my Family** Expressive arts and design: creating with materials	**Let's Explore Outside** Expressive arts and design: creating with materials	**Animals in Winter** Expressive arts and design: creating with materials	**Life Cycles** Expressive arts and design: creating with materials	**Journeys and Transport** Expressive arts and design: creating with materials	**My Garden** Expressive arts and design: creating with materials
EYFS2	**All About me** Expressive arts and design: creating with materials	**Autumn and Celebrations** Expressive arts and design: creating with materials	**Wonderful Water** Expressive arts and design: creating with materials	**Things with Wings (life cycles)** Expressive arts and design: creating with materials	**Journeys and Transport** Expressive arts and design: creating with materials	**Amazing Animals** Expressive arts and design: creating with materials
Year 1	**Unit 3** Templates in textiles: hand puppets *8 lessons*		**Unit 2** Rotary mechanisms - windmills *8 lessons*		**Unit 1** Frame structures: bridges *8 lessons*	
Year 2	**Unit 1** Levers and sliders- moving cards *8 lessons*		***Unit 3*** Free standing structurers: playground *8 lessons*		**Unit 2** Wheels and axles: vehicles *8 lessons*	
Year 3	**Unit 3** 2D shapes to 3D products: stationery storage 8 lessons		**Unit 1** Pneumatics: moving toys *8 lessons*		**Unit 2** Shell structures: packaging 8 lessons	

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Year 4	**Unit 1** Levers and linkages: interactive books *8 lessons*	**Unit 4** Textile pattern pieces: hats and caps *8 lessons*	**Unit 2** Simple programming and control: data loggers *8 lessons*
Year 5	**Unit 3** Combining fabrics: accessible textiles *8 lessons*	**Unit 1:** CAD structures: architecture *8 lessons*	**Unit 2** Pulleys and gears: electric vehicles *8 lessons*
Year 6	**Unit 3:** Products and people inspirational design *4 lessons*	**Unit 2:** System control: sensor alarms *4 lessons*	**Unit 1** Cams: automata *8 lessons*
Owlery	The Owlery children have a rich diet of design and technology, but this cannot be placed under a design and technology umbrella. We provide child-centred, individualised learning opportunities for all pupils, which are crucial for the all-round development of the autistic learner. Fluid children will access learning in this subject in their mainstream year groups if appropriate.		

Years1-6 are following Oak National Academy