



Design and Technology Long Term Plan

	Autumn	Spring	Summer
Cycle 1 Year R	Textiles: Weaving Outcome: Weaving	Cooking and Nutrition: Preparing Fruit and Vegetables Outcome: Fruit Kebabs	Mechanisms: Wheels and Axles Outcome: Junk Model Vehicle
Cycle 2 Sparrows- Year R/I This year only	Mechanisms: Sliders and Levers Outcome: A moving picture using sliders	Mechanisms: Wheels and Axles Outcome: A simple moving vehicle	Cooking and Nutrition: Preparing Fruit and Vegetables Outcome: Smoothies
Cycle 1 Year 1/2	Freestanding Structures: Outcome: A bridge	Cooking and Nutrition Outcome: A nutritionally balanced snack product	Mechanisms: Sliders and Levers Outcome: A moving poster using levers and sliders
Cycle 2 Woodpeckers – Year 2/3	Templates in Textiles: Using fabric and joining techniques Outcome: A hand puppet	Mechanisms: Wheels and Axles Outcome: A moving Roman soldier/chariot	Cooking and Nutrition Outcome: Fruit fritter
Cycle 1 Year 3/4	Electrical Systems: Simple Circuits Outcome: A functional lantern with a switch	Cooking and Nutrition Outcome: A healthy salad	Textiles: 2D shape to 3D product Outcome: Money container
Cycle 2 Robins – Year 4/5	Cooking and Nutrition Outcome: A healthy chocolate bar/snack	Structures: Shell structures (CAD) Outcome: A reinforced shell structure	Mechanical Systems: Levers and Linkages Outcome: An interactive pop-up book.
Cycle 1 Year 5/6	Electrical Systems: more complex switches and circuits Outcome: Electrical Game about the monarchy	Cam Mechanisms: Pulleys, gears and levers Outcome: System that can transport tomatoes up a mountain in Nepal	Cooking and Nutrition Outcome: Egyptian bread
Cycle 2 Kingfishers – Year 6	Structures: Frame Structures Outcome: A reinforced frame structure designed to withstand forces	Textiles: combining different fabric shapes (CAD) Outcome: A 3D textile product	Cooking and Nutrition: Celebrating Culture and Seasonality Outcome: A soup for specific dietary or cultural needs

DT provision for Early Years links to Expressive arts and design and physical development ELGs. We utilise some of the Oak National Academy resources to support DT