



DT Yearly Overview

	Autumn Term	Spring Term	Summer Term
Year 1	<p><u>Fruit - Cooking and Nutrition</u> What is a fruit and where do they come from?</p>	<p><u>Free Standing - Structures</u> Can I design, make and evaluate a new desirable playground for my local community to promote inclusion and physical wellbeing in young people?</p>	<p><u>Sliders and Levers - Mechanisms</u> Can I design, make and evaluate a class information book to help explain to Reception class how to save energy, recycle and look after the planet?</p>
Year 2	<p><u>Templates and Joining - Textiles</u> Can I design, Make and Evaluate a glove puppet for themselves to promote mental health through role play?</p>	<p><u>Wheels and Axles - Mechanisms</u> Can I design, make and evaluate a stable vehicle for a rural family to transport water over large distances?</p>	<p><u>Vegetables - Cooking and Nutrition</u> What is a vegetable and how can I use a vegetable?</p>
Year 3	<p><u>Levers, Linkages and Pneumatics - Mechanisms</u> Can I design, make and evaluate a water cleaning system for you to remove plastics and rubbish from the oceans and move them to an appropriate recycling facility?</p>	<p><u>Carbohydrates - Cooking and Nutrition</u> What is a carbohydrate?</p>	<p><u>2D shape to 3D project - Textiles</u> Can I design, make and evaluate a new repurposed product from a second-hand pillowcase to promote a sustainable culture?</p>
Year 4	<p><u>Shell - Structures</u> Can I design, make and evaluate a recycling station for your classroom to ensure appropriate recycling of all different items?</p>	<p><u>Dairy, Fats and Sugar - Cooking and Nutrition</u> What are dairy, fats and sugars used for?</p>	<p><u>Circuits and Switches - Electrical</u> Can I design, make and evaluate a product that incorporates an electrical circuit to aid everyday living?</p>
Year 5	<p><u>Combining different fabrics and shapes - Textiles</u> Can I design, make and evaluate a 'fidget' blanket for someone with Alzheimer's/autism to help relieve anxiety or agitation and to aid a feeling of calmness?</p>	<p><u>Herbs and Spices - Cooking and Nutrition</u> What are herbs and spices used for?</p>	<p><u>Frame – Structures</u> Can I design, make and evaluate a system of flood defence for a rural islander to keep themselves safe from flood dangers?</p>
Year 6	<p><u>Meat/Fish Alternatives - Cooking and Nutrition</u> What are the alternatives to eating meat and fish?</p>	<p><u>Mechanisms – Rube Goldberg Machines</u> Can I design, make and evaluate a machine that combines all the mechanisms you have learnt to perform a simple task?</p>	<p><u>Pulleys, Gears and Cams - Mechanisms</u> Can I work as a team to design and make all the elements of a successful racing team The RIVERS Boxcar Rally?</p>