DT Yearly Overview

The Rivers C.of E. Academy Trust

	Autumn Term	Spring Term	Summer Term
Year 1	**Fruit - Cooking and Nutrition** What is a fruit and where do they come from?	**Free Standing - Structures** Can I design, make and evaluate a new desirable playground for my local community to promote inclusion and physical wellbeing in young people?	**Sliders and Levers - Mechanisms** Can I design, make and evaluate a moving book to retell a traditional tale to share with a reception class?
Year 2	**Vegetables – Cooking and Nutrition** What is a vegetable and how can I use a vegetable?	**Wheels and Axles - Mechanisms** Can I design, make and evaluate a stable vehicle for a rural family to transport water over large distances?	**Templates and Joining – Textiles** Can I design, make and evaluate a glove puppet for themselves to promote mental health through role play?
Year 3	**Levers, linkages and pneumatics-Mechanisms** Can I design make and evaluate a decoration using a moving mechanism?	**Carbohydrates - Cooking and Nutrition** What is a carbohydrate? Can I design, make and evaluate a healthy, well balanced flat bread sandwich?	**2D shape to 3D project - Textiles** Can I design, make and evaluate a new repurposed product from a second-hand pillowcase to promote a sustainable culture?
Year 4	**Shell - Structures** Can I design, make and evaluate a recycling station for your classroom to ensure appropriate recycling of all different items?	**Dairy, Fats and Sugar - Cooking and Nutrition** What are dairy, fats and sugars used for?	**Circuits and Switches - Electrical** Can I design, make and evaluate a product that incorporates an electrical circuit to aid everyday living?
Year 5	**Combining different fabrics and shapes - Textiles** 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?	**Herbs and Spices - Cooking and Nutrition** What are herbs and spices used for?	**Frame – Structures** Can I design, make and evaluate a system of flood defence for a rural islander to keep themselves safe from flood dangers?
Year 6	**Meat/Fish Alternatives - Cooking and Nutrition** What are the alternatives to eating meat and fish?	**Mechanisms – Rube Goldberg Machines** Can I design, make and evaluate a machine that combines all the mechanisms you have learnt to perform a simple task?	**Pulleys, Gears and Cams - Mechanisms** Can I work as a team to design and make all the elements of a successful racing team The RIVERS Boxcar Rally?