

	Autumn Term	Spring Term	Summer Term
Year 1	<u>Fruit - Cooking and Nutrition</u> Explore understanding of food - fruits Fruit Kebabs	<u>Sliders and Levers - Mechanisms</u> Design, make and evaluate a class information book to help explain to Reception class how to save energy, recycle and look after the planet.	<u>Free Standing - Structures</u> Design, make and evaluate a new desirable playground for your local community to promote inclusion and physical well-being in young people.
Year 2	<u>Templates and Joining - Textiles</u> Design, Make and Evaluate a glove puppet for themselves to promote mental health through role play.	<u>Wheels and Axles - Mechanisms</u> Design, make and evaluate a stable vehicle for a rural family to transport water over large distances.	<u>Vegetables - Cooking and Nutrition</u> Explore understanding of food – vegetables: Vegetable Soup Hummus and fresh Vegetables Coleslaw
Year 3	<u>Levers, Linkages and Pneumatics - Mechanisms</u> 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.	<u>Carbohydrates - Cooking and Nutrition</u> Explore understanding of food – carbohydrates: Flat-breads Scones Pasta	<u>2D shape to 3D project - Textiles</u> Design, Make and Evaluate a new product from a 2nd hand T-shirt for a fashion show to promote recycling.
Year 4	<u>Shell - Structures</u> Design, make and evaluate a recycling station for your classroom to ensure appropriate recycling of all different items.	<u>Circuits and Switches - Electrical</u> Design, make and evaluate a product that incorporates an electrical circuit to aid everyday living	<u>Dairy, Fats and Sugar - Cooking and Nutrition</u> Explore understanding of food – dairy, fats and sugar: Meringue, Spanish Omelette, Cheese scones.
Year 5	<u>Combining different fabrics and shapes - Textiles</u> 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.	<u>Herbs and Spices - Cooking and Nutrition</u> Explore understanding of food – herbs and spices. An investigation into herbs and spices. Tomato sauce, Biscuits and Sweet and Savoury spring Rolls	<u>Frame – Structures</u> Design, make and evaluate a system of flood defense for a rural islander to keep themselves safe from flood dangers.
Year 6	<u>Meat/Fish Alternatives - Cooking and Nutrition</u> Explore understanding of food - Meat and Fish. Are they sustainable? What are the alternatives? Lentil Curry/Ragu Quorn Shepherd's Pie Mexican Bean Burgers	<u>Mechanisms – Rube Goldberg Machines</u> Design, make and evaluate a machine that combines all the mechanisms you have learnt to perform a simple task.	<u>Pulleys, Gears and Cams - Mechanisms</u> Design, make and evaluate a boxcar for your team to complete in The RIVERS Boxcar Rally.