

The Cornwall Independent School

KS1&2 Design Technology Curriculum Overview

Support

Strive

Succeed

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception Year 1 & 2	Puppets The pupils will have the opportunity to explore puppets and create stories and shows in our puppet theatre. We will learn to sew using some basic stitches and explore different types of textiles. Children will have the opportunity to create different types of puppets using a variety of materials before using the skills they were taught to design and make their own puppets using a variety of methods and techniques.		I Can Cook Children will go on a discovery of learning basic cooking skills while considering how to eat a balanced diet and learn about differing food needs. We will explore where in the world our food comes from and safe storage and use of foods. Children will cook a variety of sweet and savoury foods throughout this unit of work.		Vehicles We will investigate a variety of different vehicles before undertaking the fun task of designing, making and evaluating their own vehicle. They will learn all about wheels, axles and chassis and how they are combined to make the framework of the vehicle, as well as how to create an eye-catching body.	Winding Up This unit introduces the children to the concept of winding mechanisms, building on previous knowledge of wheels and axles. The children explore how to make winding mechanisms using construction kits, then, after discussion, make their own toy using a winding mechanism out of reclaimed materials. The unit uses the context of nursery rhymes and the rhyme but may be adapted.
	Delightful Decorations -Christmas Time Pupils will develop their cutting, modelling, construction and sewing skills whilst making delightful decorations for the festive season! They will explore, cut, sew, design, make and evaluate their products.					
Year 3&4	Let's Go Fly a Kite Pupils will test different materials, design kites, construct a carp kite and a diamond kite, fly kites and evaluate their own creations. We will explore the use of kites in	Seasonal Stockings Children will develop and use their knowledge of, and skills in, a variety of sewing techniques for joining and decorating fabric in order to design and make their very own Christmas stocking!	Seasonal Foods Explore food grown around the world. Identify food grown locally. Design and make a fruit salad using seasonal fruit. Look at seasonal vegetables, make a nutritious soup using seasonal ingredients.	Money Containers. Pupils will explore different types of money containers and their features, and practise their sewing skills, before designing making and evaluating their own money containers for a particular purpose.	Mini Greenhouses Children will find out the purpose of a greenhouse and how it works, before moving on to exploring how structures like these can be made stable, and what materials would be the most	Sandwich snacks Explore different types of bread and possible fillings. Explore nutritional value of different foods. Design and make sandwiches for two contrasting occasions. Evaluate products.

	different times and cultures.		Learn about air miles.		appropriate to use. Children then apply this knowledge and understanding when designing, making and evaluating their very own mini greenhouse!	
Year 5&6	Great British Dishes Pupils will explore some sweet and savoury national dishes of England, Scotland and Wales, before moving on to developing an understanding of how cuisines from other countries have influenced what is eaten in Britain today. Finally, children will practise the important life skill of how to plan and shop for a meal! Christmas Decorations Pupils will explore different decorations on the market and follow different methods of designing and making to construct a variety of Christmas products in different materials and using a wide range of techniques.	African Instruments Explore the rich and energetic genre of African music and use it to inspire the investigation and creation of several different African instruments including the kalimba, djembe drum and the shekere. Pupils will discover how each instrument makes its sound and replicate this using suitable materials and tools.	Bird Houses/Bird Tables Pupils will learn about bird houses and why they are constructed for birds in our environment. They will get the chance to research common birds and design a bird house suitable for a bird to nest in. Pupils will investigate some challenging skills such as drawing 3-D diagrams and exploded diagrams, reading and measuring dimensions, planning and designing products to suit requirements, using woodwork skills and tools to construct a product, and evaluating and promoting a finished product	Hats Pupils will explore sewing skills including developing knowledge of sewing machine skills and explore textile design techniques, they will create mood boards and understand the process of making a fleece hat. They will then create their own ideas and design and make a hat. Finishing off with product evaluation.		