

Design & Technology (DT) Unit Overview

Francis Baily School



Year Group	Autumn 2	Spring 2	Summer 1
FS			
1	Shade and Shelter Subject content: exploration of shelters before designing and making a prototype. An evaluation of the product will take place at the end.	Taxi! Subject content: first exploration of wheels, axels, and chassis – how they work together to make a vehicle move.	Chop, Slice and Mash Subject content: introduction to where food comes from. Children will learn a range of preparatory skills.
2	Remarkable Recipes Subject content: exploration of where food comes from. Children will learn to read a recipe before designing and making a new school meal.	Beach Hut Subject content: Children will learn about making and strengthening structures, including different ways of joining materials.	Cut, Stitch and Join Subject content: an introduction to sewing patterns and using a running stitch and embellishments before making a sewn bag tag.
3	Cook Well, Eatwell Subject content: Children will learn about food groups and the Eatwell guide. They learn about methods of cooking and explore these by cooking potatoes and ratatouille.	Making it Move Subject content: Children will learn about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating a child's automaton toy.	Greenhouse Subject content: Children will learn about the purpose, structure and design features of greenhouses, and compares the work of two significant greenhouse designers. They learn techniques to strengthen structures and use tools safely. They use their learning to design and construct a mini greenhouse.
4	Fresh Food, Good Food Subject content: Children will learn about food decay and preservation. They discover key inventions in food preservation and packaging. The children prepare, package and evaluate a healthy snack.	Functional and Fancy Fabrics Subject content: Children will about home furnishings and the significant designer William Morris. They learn techniques for decorating fabric, including block printing, hemming and embroidery and use them to design and make a fabric sample.	Tomb Builders Subject content: Children will learn about simple machines, including wheels, axles, inclined planes, pulleys and levers, exploring how they helped ancient builders to lift and move heavy loads.
5	Moving Mechanism Subject content: Children will learn about pneumatic systems. They experiment with pneumatics before designing, making and evaluating a pneumatic machine that performs a useful function.	Eat the Seasons Subject content: Children will learn about the meaning and benefits of seasonal eating, including food preparation and cooking techniques.	Architecture Subject content: Children will learn about how architectural style and technology has developed over time and then use this knowledge to design a building with specific features.
6	Food for Life Subject content: Children will learn about processed food and healthy food choices. They make bread and pasta sauces and learn about the benefits of whole foods. They plan and make meals as part of a healthy daily menu and evaluate their completed products.	Engineer Subject content: Children will learn about remarkable engineers and significant bridges, learning to identify features, such as beams, arches and trusses. They complete a bridge-building engineering challenge to create a bridge prototype.	Make Do and Mend Subject content: Children will learn a range of simple sewing stitches, including ways of recycling and repurposing old clothes and materials.