



Curriculum Plan – Design Technology

	Autumn	Spring	Summer
Year 1	In the second half term in D&T the children will be looking at moving pictures. This will have a cross curricular link with RE making Christmas cards and tree toppers.	In D&T the children will be designing their own plate and fruit salad or kebab and making them. They will be required to think about healthy eating and the produce available to us.	In the second half term in D&T the children will be looking at playgrounds and use different materials to make their own playgrounds.
Year 2	We will be using a variety of DT skills to research, design and make our own Christmas stockings. We will compare joining techniques, including simple sewing, and will assess which is best for our designs. We will also evaluate our stockings against a design criteria.	In DT we will be developing our understanding of Nigerian culture by designing and printing our own Nigerian T-Shirts. We will also be designing and making our own movable vehicle.	In our DT lessons we will be exploring simple winding mechanisms within a Roald Dahl story. We will be designing a toy to fit a design criteria. We will then be making this toy using a variety of skills and materials – such as wood and cardboard.
Year 3	In Autumn 1 we will be making photo frames. We are investigating what makes a good photo frame ensuring that it can stand. The children will design their own frame based on their investigating and then make and evaluate the success of them.	In Spring 1 we will be designing and making healthy sandwiches based on our learning from our previous science topic, Health Eating.	In summer 2 we will be learning about air pressure and the pneumatic system. We will see how these forces are used to lift and move vast objects and apply this knowledge as we build our own moving monsters.
Year 4	In DT this term, we will learn how to design and create a bag, using the sewing techniques that we will learn.	In Spring, we will be learning about the mechanisms behind pop up books. We will practise these techniques and work together to create pop up books using our new skills.	In DT this term, we will link our learning to the learning in science. We will create an item that uses insulators and conductors.
Year 5	Later in the autumn term, we will look at the components and materials used to make effective structures and shelters. Children will design and make their own creative and resilient structure.	In Spring our DT topic will look at bread. We will analyse what is currently on the market. We will learn about the science of bread making. We will be designing and making our own bread guided by market research we carry out.	In Spring our DT topic will look at musical instruments. We will analyse what is currently on the market. We will learn about the science of sound and music. We will be designing and making our own musical instruments.
Year 6	We will be studying Cam toys in D.T, their purpose and key skills to making a working toy using tools such as drills and saws with wood. We will be researching a range of designs and adapting these to suit our purpose.		