

## Design Technology Intent and Overview

At Maple Tree Primary School (MTPS) we aim to design a Design Technology curriculum with appropriate subject knowledge, skills and understanding as set out in the National Curriculum. We aim to provide an inspiring, balanced and broad curriculum, which engages all children and promotes a love of exploring how and why different machines, mechanisms and technologies work. We aim to draw on children's knowledge and understanding from mathematics, computing, art and science. Our children try to develop their critical understanding through taking risks, evaluating present day designs and technologies and through considering a wide range of users.

Design Technology encourages children to learn to think creatively to solve problems both as individuals and a member of a team. At MTPS, we encourage children to use their creativity and imagination, to design and make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We would love our children to leave Year 6 with a drive to enter the world of work with the aspiration of developing creative tech-based solutions to existing problems.



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	This can be taken from the year group overviews:					
Year 1	Diorama of under the sea	Making a lighthouse	Making shields	Design and make a castle	Making a weather vane	
Year 2	Designing a Tudor Home Fixing and joining a Tudor Home		Design clothing for the Emperor Decorate a T shirt using fabric pens	Design a model Clay models inspired by Barbara Hepworth	Making bread Design and create a habitat for an imaginary animal	Design and create a picnic plate
Year 3	Design and make stone age tools	Design and make a healthy meal	Make a river and mountains model	Make a working volcano	Design, make and evaluate a shaduf	Make a Canopic Jar/King Tut's mask
Year 4	Design, make and evaluate a Roman soldier's shield				Design, make and evaluate a Viking long ship	
Year 5	Earthquake proof buildings		Design Greek clothing		Create a model of the solar system	
Year 6	VE Day street party – plan and food prep		Evaluate bird boxes, design and make		Build a ski lift – Alps link	