



DESIGN TECHNOLOGY LTP

2024-25

CAREERS

Jobs connected to DT	Companies you could work for	Famous People
Product designer	Apple	Alan Rickman
Graphic designer	Microsoft	Peter Capaldi
Advertising director	Google	Kalpana Chawla
Car designer	BMW	Alfred Hitchcock
Furniture designer	Repair shop	James Dyson

Design and Technology progression through EYFS

EAD: Creating with Materials & Being Imaginative and Expressive

Focus	Designing	Making	Evaluating	Technical Skills	Food Technology	Vocabulary- To be used daily.
Reception Skills	<ul style="list-style-type: none"> Develop own ideas through experimentation with diverse materials to express & communicate their discoveries & understanding. Create collaboratively sharing ideas, resources & skills. 	<ul style="list-style-type: none"> Use increasing knowledge & understanding of tools & materials to explore their interests & enquiries & develop their thinking. Create representations both imaginary & real-life ideas, events, people & objects. 	<ul style="list-style-type: none"> Express & communicates working theories, feelings & understandings. Responds imaginatively to art works & objects. Return to & build on previous learning, refining ideas & developing their ability to represent them. Discuss problems & how they might be solved. 	<ul style="list-style-type: none"> Use different techniques for joining materials. <p>Use tools independently, with care & precision.</p>	<ul style="list-style-type: none"> Look closely at similarities, differences, patterns & change. Know & talk about the different factors that support their overall health & well-being. 	<p>Cutting, measure, folding, joining, gluing, tearing, decorate, printing, tools, strong, shape, materials, textiles, wheels, equipment, like, dislike, improve, better, cutting, plants, animals, farming, foods.</p>
Reception Knowledge	<p style="text-align: center;">Autumn 1 Me and My Family</p> <ul style="list-style-type: none"> Can work together to make structures e.g. building a house/home/school. Can use colour and materials to express how they are feeling through own creations using a variety of textures. 	<p style="text-align: center;">Autumn 2 Seasons and Celebrations</p> <ul style="list-style-type: none"> Can use an increasing range of tools such as; building tools and gardening tools with accuracy. Begins to talk about the effect of exercise and food on their health. 	<p style="text-align: center;">Spring 1 The Ocean</p> <ul style="list-style-type: none"> Can create own representations in relation to space and sea; explain how they work and what they have used and why. Can use an increasing range of small construction such as mobilo, Lego, stickle bricks and octagons to make representations including some moving parts. 	<p style="text-align: center;">Spring 2 Transport</p> <ul style="list-style-type: none"> Can brush own teeth and talk about the importance of good oral health. <p>Can use different materials to design and make their own modes of transport.</p>	<p style="text-align: center;">Summer 1 Growth and Change</p> <ul style="list-style-type: none"> Can draw designs for the things that they build and label each element. Can verbally evaluate their work and explain what is good and one thing that could make it better. 'From food to fork'. Understand where food comes from and experience growing their own vegetables, harvesting, preparing, and eating. 	<p style="text-align: center;">Summer 2 Castles and Dragons</p> <ul style="list-style-type: none"> To use a range of materials and split pins to connect and join materials to make a moving puppet.
Food		Mechanisms			Structures	

N.B - These are our overarching themes that have been mapped to national curriculum subjects in KS1. The knowledge content is identified in the intent subject documents.

KS1 Design Technology Overview 2024 2025	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Mechanisms sliders and levers		Food Sandwiches fruits and vegetables Mini Food Overnight oats		Structures Freestanding structures	
Year 2	Mechanisms wheels and axels		Food Soup preparing fruit and vegetables Mini Food Berry banana split		Textiles Templates and joining techniques	

KS2 Design and Technology Overview 2024 2025	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Shell structures		Electrical systems Circuits and switches Mini Food Hot sandwich		Textiles 2D shapes to 3D shapes	
Year 4	Mechanical systems Levers and Linkages		Hydraulics and pneumatics Mini food Fruit pie		Cooking and nutrition Stew(Healthy and varied diet)	
Year 5	Frame Structures		Food and nutrition Celebrating culture and seasonality Mini food Fruit taquito		Mechanical systems Pulleys and gears	
Year 6	Electrical systems More complex switches and circuits		CAMS Mini food Locro		Textiles Combining different shapes	