

Design and Technology



Intent statement—

Using creativity and imagination pupils design and make products that solve real and relevant problems within a variety of contexts while considering their own and others' needs.

Focus	Hampton Dene Discoverers
Independence	Checks work carefully Makes good decisions for themselves Evaluates what has been learnt and compares approaches with others
Imagination	Transfers learning from one situation to another Offers own suggestions of improvement by viewing this as an opportunity, not a criticism Learns from and builds on own and others' ideas and experiences
Resilience	If stuck thinks about what could be used to help themselves Understands and responds to feedback
Teamwork	Takes advice from others Shows others how to do things Shows value for other children's ideas and comments

Design	Make	Evaluate	Technical Language	Cooking & Nutrition
Design purposeful, functional, appealing products for themselves and other users based on design criteria.	Select from and use a range of tools and equipment to perform practical tasks such as cutting, shaping, joining and finishing.	Explore and evaluate a range of existing products.	Explore and use mechanisms, such as levers, sliders, wheels and axles, in their products.	Understand where food comes from
Generate develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.	Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.	Evaluate their ideas and products against design criteria.	Build structures, exploring how they can be made stronger, stiffer and more stable.	Use the basic principles of a healthy and varied diet to prepare dishes.

Subject and Intent statement DT

Using imagination and creativity, products are designed and made to solve real and relevant problems within different contexts. The needs of themselves and others are also considered. Pupils learn how to take risks, become resourceful and innovative. Through evaluation of past and present Design and Technology pupils will develop a critical understanding of its impact on daily life and the wider world.



Design	Make	Evaluate	Technical Language	Cooking & Nutrition
Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.	Select from and use a wider range of tools and equipment to perform practical tasks, such as cutting, shaping, joining and finishing, accurately.	Investigate and analyse a range of existing products.	.Apply their understanding of how to strengthen, stiffen and reinforce more complex structures.	Understand and apply the principles of a healthy and varied diet.
Generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.	Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.	Understand and use electrical systems in their products, such as series circuits incorporating switches, bulbs, buzzers and motors.	Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques.
			Apply their understanding of computing to programme, monitor and control their products.	Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.