



Design and Technology at Furzefield Primary School



At Furzefield, we develop skills and knowledge in design and technology (D&T), including cooking and textiles, through taking opportunities to design, make and evaluate across other curriculum areas. Each summer term, we have an 'enterprise' week' in which each class has a small budget with which to create items that are sold at the 'maths market'.

In addition to this, each year group completes two 'projects on a Page' from the Design and Technology association.

The following pages set out our Design and Technology curriculum by year group.



EYFS

In our Nursery and reception classes, children develop curiosity, relevant vocabulary, knowledge and skills through a mixture of adult led activities and continuous provision. Children have access to a wide variety of construction toys both large and small scale and to resources for junk modelling and other 'making' in the 'art gallery'. Children regularly cook in the nursery and the reception class kitchen and around a campfire in our Forest School area.



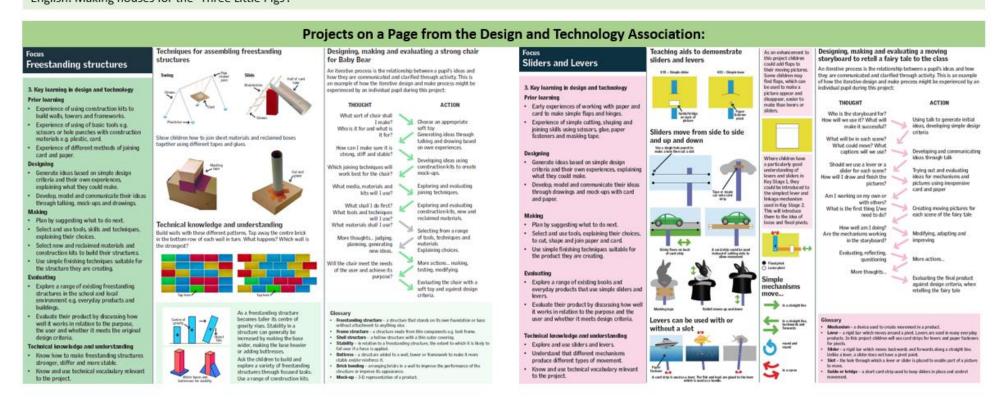






Examples of D&T taught in other subject areas

Geography: Cooking and eating food from class country. Making 3D models of where we live. Science: At Forest School, use fruits and vegetables grown on school site to create healthy recipes. English: Making houses for the 'Three Little Pigs'.









Examples of D&T taught in other subject areas

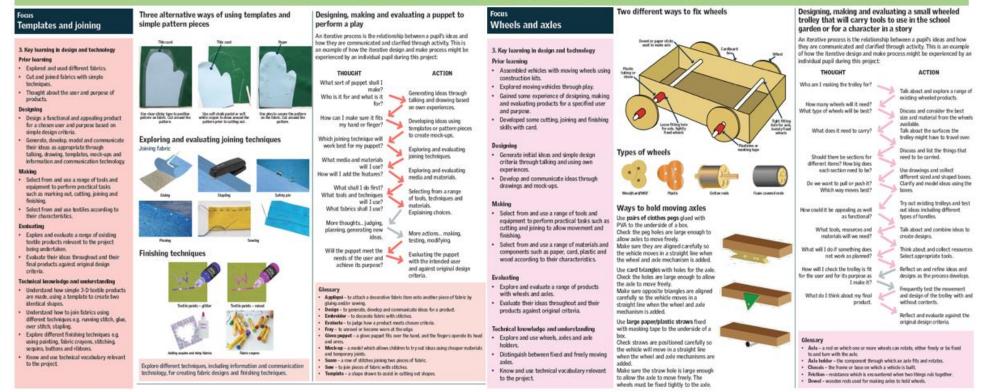
Geography: Cooking and eating food from class country.

English: At Forest School, making dragons out of clay, edible 'dragon tails' using dough wrapped around a stick and cooked on a campfire.

Science: Making scarecrows to explore waterproof materials.

History: Junk modelling Tudor houses to recreate Pudding Lane and the Great Fire. Baking Tudor bread.

Projects on a Page from the Design and Technology Association:









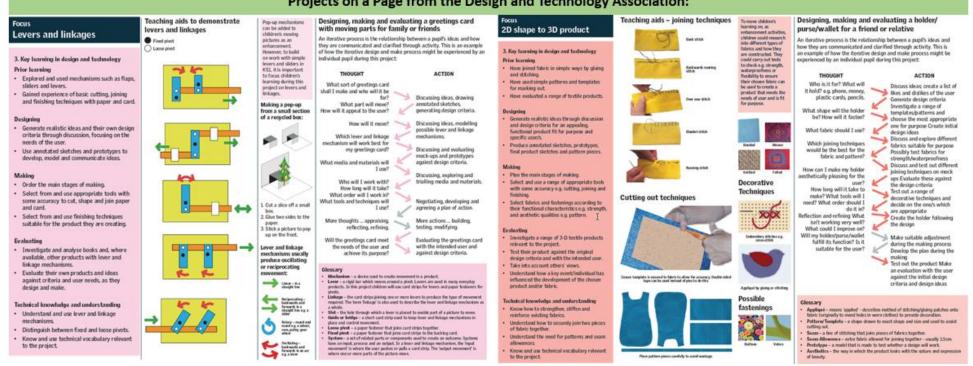
Examples of D&T taught in other subject areas

History: Making models of Stonehenge using various materials. Making replica 'stone age' jewellery using malleable materials. At Forest School, try flint knapping to create simple scraping tools and arrow heads.

Geography: Making a 'rainforest in a box' showing the different levels of vegetation linked to geography.

Science: cooking healthy savoury recipes as part of staying healthy.









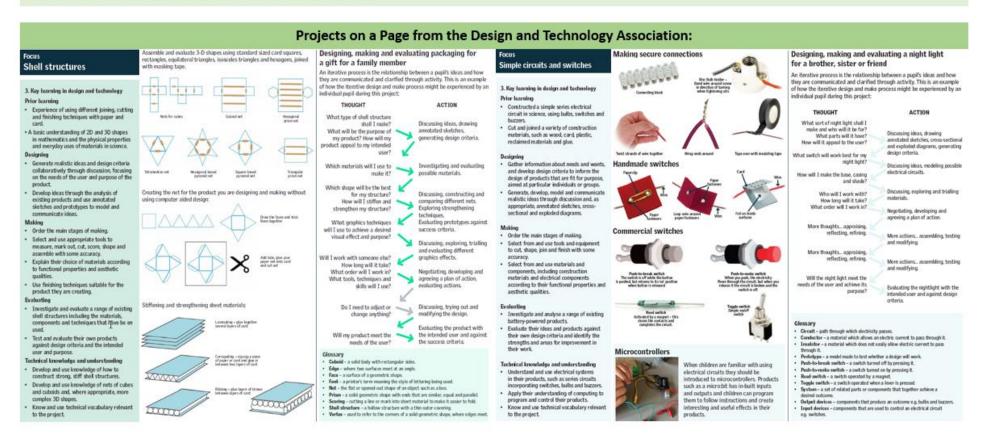
Year 4

Examples of D&T taught in other subject areas

History: At Forest School, exploring the various methods of farming of the ancient Maya by creating miniature systems of terraced and raised fields; making Maya style feather headdresses; making artists charcoal to recreate Maya style 'tattoos'

Geography: making 'working' models of volcanos.

Science: making models of human teeth using malleable materials.







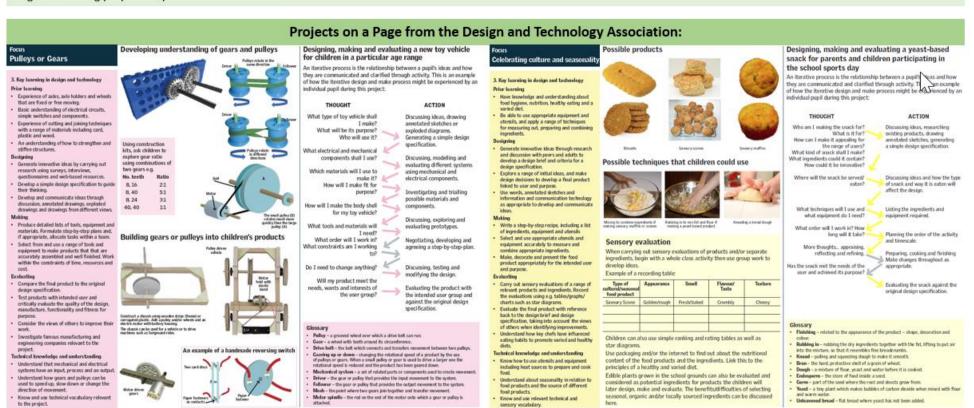
Year 5

Examples of D&T taught in other subject areas

Geography: At Forest School, making 'bull roarers'. Making models of didgeridoos.

History: Recreating recipes from Victorian Britain.

English: Creating props for a production of MacBeth.







Focus

Be kind, be respectful, be resilient. Aspiration and opportunity for all.

Year 6

Examples of D&T taught in other subject areas

History: At Forest School, making hawthorn fruit leather or jellies, making 'rationing' recipes. Using tools for making 'trollen wheels' to create Viking style braids. Making models of Viking Longboats.

English and drama: making props for a summer term production.





Progression in skills

Through the curriculum described in the previous pages, children should progress through these skills towards the end of KS2 expectations.

	EYFS	KS1	KS2
Design	*Select appropriate resources. *Use gestures, talking and arrangements of materials and components to show design. * Use contexts set by the teacher and myself. *Use language of designing and making (join, build, shape, longer, shorter, heavier etc.)	*Design purposeful, functional, appealing products for themselves and other users based on design criteria. *Generate, develop, model and communicate their ideas through talking, drawing, templates, mock ups and, where appropriate, information and communication technology.	*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. *Generate, develop, model and communicate their ideas through discussion, annotated sketches, prototypes, pattern pieces and computer aided design.
Make	*Construct with a purpose, using a variety of resources. *Select and use tools & techniques to shape, assemble and join. *Replicate structures *Understand different media can be combined for a purpose.	*Select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] *Select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.	*Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately. *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	*Discuss how to make an activity safe and hygienic. *Record experiences by drawing, writing, talking.	*explain what I am making and why it fits the Purpose. *make suggestions as to what I need to do next.	*Investigate and analyse a range of existing products. *Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work. *Understand how key events and individuals in design and technology have helped shape the world.