



CARE

Care, Aspire, Respect, Excel

Design Technology

at

Winscombe Primary School



Design Technology at Winscombe

At Winscombe we teach Design Technology using the inspirational guidance, ideas and planning provided by the online resource:

**DESIGN &
TECHNOLOGY
ASSOCIATION**

Design Technology Curriculum intent

Our Intent is that all pupils:

- will develop a genuine interest and positive curiosity about all areas of Design Technology
- will use a broad range of knowledge, skills and understanding, prompting engagement in a wide variety of activities
- design and make products that solve real and relevant problems within a variety of contexts
- develop a critical understanding of its impact on daily life and the wider world

What Design Technology looks like at Winscombe

Our Design Technology lessons are structured from the 'Projects on a Page' from the Design and Technology Association. This scheme of work and resources ensures we

offer a relevant, broad, vibrant and ambitious curriculum that will inspire and excite our pupils.

We teach Design Technology in terms 1,3 and 5.

Across Y1 and Y2, Y3 and Y4, and Y5 and Y6, units of work are covered on the following aspects;

EYFS and KS1

Mechanisms = 3 Textiles=2 Structures=3

Food Technology=1

KS2

Mechanisms = 4 Textiles=3 Structures=2

Food Technology=2 Electrical Systems=1

Whole School

Mechanisms = 7 Textiles=5 Structures=5

Food Technology=3 Electrical Systems=1

How we teach Design Technology

Each project provides a clear structure and a wealth of ideas/materials for children to investigate and evaluate products, complete focussed practical tasks and then design, make and evaluate their own product.

Emphasis is on the understanding of the mechanisms – not just the finished product.

Design Technology in Early Years

There are opportunities for D&T engagement across all seven areas of learning.

- communication and language
- physical development
- personal, social and emotional development
- literacy
- mathematics
- understanding the world
- expressive arts and design

Design Technology in EYFS and Key Stage One

Year Group	Term 2 Project 1	Term 4 Project 2	Term 6 Project 3
EYFS	Mechanisms	Textiles	Structures
	Christmas cards / boxes Context: Christmas	Superhero Cape Context: Superheroes	Recycling Bins Context: ECO Link
Yellow Class	Structures	Food Technology	Textiles
	Whose House? Context: History	Fruit Salad Context: Handa's Surprise	Joining and Fastening Fabrics Context: Fabric Fish
Blue Class	Mechanisms	Structures	Mechanisms
	Sliders / Levers Context: Christmas Cards	Free Standing Structures Context: Brunel	Wheels and Axels Context: Farm Habitat

Design Technology in Key Stage Two

Year Group	Term 2 Project 1	Term 4 Project 2	Term 6 Project 3
Year 3	Structures Shell Structures - CAD Context: Christmas	Textiles 2D to 3D Context: Roman Purse	Mechanical Systems Levers and Linkages Context: Rainforest Posters
	Electrical Systems Simple Circuits and Switches Context: Electricity	Food Technology Healthy and Varied Diet Context: Tudor Food	Mechanical Systems Pneumatics Context: Making Mascots
Year 5	Mechanical Systems Pulleys of Gears Context: Space Buggy	Food Technology Culture and Seasonality Context: Greek Food	Textiles Combining Different Fabric Shapes Context: Vikings
	Mechanical Systems CAMS Context: Victorian Child's Toy	Textiles CAD Context: Mobile Phone Carrier	Structures Frames Context: Shelter

How we make Design Technology exciting and motivating for our children

The Scheme uses great resources which have been creatively linked to our curriculum topics given meaning and purpose.

How we assess Design Technology

.All abilities can access/use the scheme. Creativity and imagination has no barriers to learning.

How we help children who find Design Technology difficult

Those children who find it difficult can have pre-teaching sessions, additional help from the class LSA or the class teacher within the session to help with their knowledge and understanding.

How parents and carers can help

Parents can help with additional learning at home.

How we celebrate Design Technology

Work is celebrated by being shared with the intended user, whole school community by being displayed in classrooms, corridors, shared with parents and celebrated in assemblies and newsletters.