

# Design and Technology Report for Governors 2025

## Curriculum Coverage

This year has seen continued development and consolidation of our revised Design and Technology (DT) curriculum. The focus has remained on aligning our DT offer with both the National Curriculum expectations and our school's creative, cross-curricular topic-based approach. The aim has been to provide meaningful, relevant, and progressive learning experiences for all pupils across year groups.

## Curriculum Development

**Curriculum Rewrite:** The DT curriculum has undergone further refinement to ensure it remains current, relevant, and engaging. Planning has been adapted to better reflect our school topics and to ensure natural links to other subjects. This has helped embed DT more deeply across the wider curriculum and make learning more purposeful.

**Topic Integration:** Where possible, units have been redesigned to support our whole-school themes. For example, in KS1, a transport topic led into a DT focus on wheels and axles; in LKS2, a study of the Victorians inspired pin cushion textiles; and in UKS2, electricity work has supported projects like a steady hand game.

**Progression & Coverage:** Progression maps have been updated to show clear skill development across year groups in all key strands: mechanisms, structures, textiles, food, and electrical systems (KS2). The curriculum now better supports progression of knowledge and technical vocabulary alongside design, make, and evaluate processes.



### Year 5 DT Cooking and Nutrition - Greek Gyros

**People**

**Lefteris Lazarou**  
The first Greek chef to win a Michelin star

To prevent cross-contamination, we use different coloured chopping boards.

**Skills**

- Slicing
- Dicing
- Measuring
- Frying
- Simmer

**Nutritional value** helps us to understand how healthy a food is. Nutritional information on food labels can help us make better choices for our bodies by showing us the amounts of nutrients.

**Vocabulary**

1	adaptation	The process of changing something
2	cook	To prepare food by heating it
3	cross-contamination	When something harmful spreads from one food to another
4	form	To grow, creep or keep animals as business
5	hygiene	Keeping things clean to prevent illness
6	ingredients	The foods a recipe is made from
7	label	Something that provides information about the product it is attached to
8	nutrient	Substances that help living things stay healthy and grow
9	nutritional value	The nutrients a food or recipe provides
10	process	A series of actions

**Did you know?**  
The world's earliest needle was discovered in a Siberian Denisova cave and is thought to date back some 50,000 years.

### Year 3 DT Textiles - Pin Cushions

**People**

**Sampson Mordan**  
A British silversmith who invented and patented the pin cushion.

**Skills**

- Cutting
- Measuring
- Threading
- Sewing
- Stuffing
- Decorating

**Vocabulary**

1	applique	A piece of fabric with which a small piece of cloth is sewn or stuck to the fabric with a needle and thread
2	cross stitch	A type of stitch that makes the fabric look like a cross
3	running stitch	A type of stitch that makes the fabric look like a series of connected loops
4	cushion	A small bag made of fabric used to make sitting more comfortable
5	detail	The small features of an object
6	fabric	A material or cloth made from threads woven or knitted together that is used to make clothes, bags, etc.
7	patch	A piece of material used to mend or replace a damaged part of a fabric
8	seam	Where two pieces of fabric are joined or sewn together
9	stencil	A shape that you can draw around
10	stuffing	Soft material used to fill cushions and stuffed toys
11	target audience	A particular group of people who a product is aimed at

**Remember to tie a knot in your thread so that the stitches stay secure and do not come undone!**

**Beads, buttons and sequins can all be used to decorate your design**

### Year 2 DT Textiles - Medal Pouches

**People**

**Louis Doyen**  
The CEO of the French machinery manufacturer Thimble.  
He invented the original stand-up pouch in 1962.

**Skills**

- Cutting
- Measuring
- Sewing

**Vocabulary**

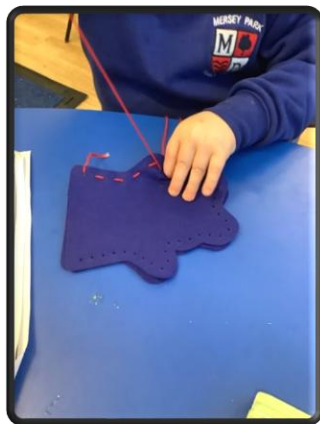
1	accurate	Neat, correct shape, size and pattern with no mistakes
2	fabric	A natural or man-made woven or knitted material that is made from plant fibres, animal fur or synthetic materials
3	knot	A join made by tying two pieces of string or rope together
4	pouch	A small bag made to keep objects safe and to be carried easily
5	sew	To join or fasten by using a needle and thread
6	shape	The form of an object
7	stencil	A shape that you can draw around
8	template	A stencil which you use to help you draw a shape more easily on to different materials
9	thimble	A small metal cap to cover and protect your finger when sewing
10	running stitch	A type of stitch that runs back and forth through the fabric in a line

**Did you know?**  
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**template**

**running stitch**

Each topic in D&T has a cross-curricular theme, but the focus is teaching the skills and knowledge of design and technology, ensuring these are built on from previous years. Pupils are taught how to research, design, make and evaluate throughout a project, develop their construction skills and use of electrical and mechanical systems. A statement of intent in DT can also be found on the school website, along with the DT curriculum maps.



**EYFS** - In Foundation Stages, pupils regularly experience many aspects of design and technology, through construction play and exploration, workshop area, cookery and food tasting and motor skill activities, such as threading beads. A brand-new document has been created to explore how D&T is taught in F1 and F2.

The following projects were completed in 2024/2025:

**Year 1:** Watermelon Pizza, Hand Puppets and Seaside Levers and Sliders

**Year 2:** Potato Salad, Moving Vehicles (with wooden chassis) and Medal Pouches.

**Year 3:** Pizza, Moving Books (levers and linkages) and Victorian Pin Cushions.

**Year 4:** Healthy Soup, Light Box with electrical circuit and Rabbit Toy.

**Year 5:** Scouse Stew, Water-bottle Carrier and Moving Cam Toy.

**Year 6:** Stir-fry/ Fajitas, Fruit Smoothie, Felt Pencil/ Phone Cases and Steady Hand Game.



## **Monitoring & Evaluation**

**Assessment** - New DT assessment spreadsheets have been rolled out this year, offering a clearer, more consistent way to track pupil progress and identify gaps. Staff have responded positively to the simplified format, which aligns with our approach to assessment across other subjects.

**Monitoring and Pupil Voice** – Lesson monitoring and drop-ins, and pupil voice activities have highlighted increased engagement in DT, particularly where projects have real-life purpose or clear links to pupil interests. Pupils spoke positively about the hands-on nature of lessons and the opportunity to make choices in their designs.

**Staff Feedback** - Staff have welcomed the revised planning structure and the flexibility it offers. CPD needs around subject knowledge for certain areas (e.g., electronics) have been identified and will be addressed in the next academic year.





## Clubs and extra-curricular

Our KS1 Healthy Eating Club continues to be a big hit in summer term, with lots of lovely recipes made including veggie pittas, fruit sundaes, courgette sushi and smoothies. We also had a textiles club where the children enjoyed weaving wool, creating pom poms and making bunnies. Both KS1 and KS2 enjoyed an Art and Crafts club practising many skills including measuring, cutting and designing.



## What's next?

We are always looking for ways to keep D&T as updated and relevant as possible. We will continue to monitor the new curriculum planning and assessment and correct any issues should they arrive. We will also explore event days and school wide competitions such as Primary Engineer, F1 in Schools and Lego League heading into the next academic year.

This year has seen strong progress in shaping a DT curriculum that is engaging, progressive, and deeply connected to the wider school curriculum. Continued development, responsive to both national guidance and school context, will ensure DT remains a valued and dynamic subject that equips pupils with creative and practical life skills.

## CPD

SIL termly briefings regularly attended by co-ordinator (Autumn, Spring and Summer 2024/25).



B Jones

July 2025

## **End of Year Data July 2025**

	% below expectation	% At expectation	% Above expectation
<b>Year 1</b>			
<b>Year 2</b>			
<b>Year 3</b>			
<b>Year 4</b>			
<b>Year 5</b>			
<b>Year 6</b>			