

St Laurence Church Infant School

Design and Technology Policy



Approved by: Curriculum, Safeguarding and
Pupil Welfare Committee

Last revised on: May 2023

Next review due by: July 2026

ST LAURENCE CHURCH INFANT SCHOOL

DT Policy



As a Rights Respecting School, our DT curriculum enables our children as rights holders to learn how to have ideas and share those freely, create items that are healthy, fully develop their talents and engage in play, cultural and creative activities.

Our children told us:

"DT is fun because you get to make things and you get to use lots of different things. It helps us to fix things together and you get to do cooking and learn about healthy foods. You can make things in DT out of recycled things then nothing gets wasted."

Intent

Why do we teach Design Technology?

At St Laurence Church Infant School we want our children to use their creativity and imagination to make products that solve real and relevant problems within a variety of contexts, considering their own and others' needs, wants and values. We want the children to know how products are made and used so they develop a critical understanding of its impact on daily life and the wider world.

We want to develop our children's knowledge and understanding of DT to help them to be confident to take risks, become resourceful, innovative and enterprising citizens that can contribute to the creativity, culture, wealth and well-being of the nation. We want our children to develop their understanding of food, where it comes from and how it can be combined so that they enjoy healthy eating and understand how it contributes to a healthy lifestyle.

We want the children to foster a sense of responsibility about the impact DT can have on God's and their World.

Our DT Curriculum is designed to develop five core characteristics in our pupils, which we believe will lay the foundations for them to be lifelong learners and good global citizens. These drivers are:



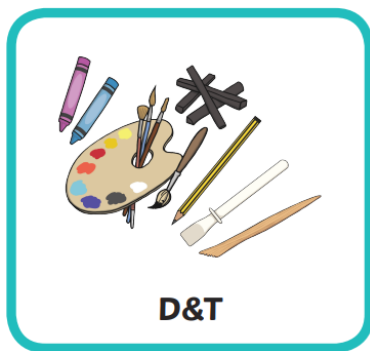
Our aims in teaching DT at St Laurence Church Infant School help all children to..

- **Feel part of a Community** by:
 - working as part of a team or with a partner
 - Creating products for others in the local and wider community
 - To explore existing products within the community
- **Be Creative** by:
 - Having their own ideas
 - Learning a range of skills and using a range of tools and materials
 - taking the lead in what they want to create and how they will do it.
- **Develop Curiosity** by:
 - Exploring a range of existing products and their uses
 - Trying different approaches to solve problems
- **Communicate confidently** by:
 - Talking and writing about their ideas, designs and plans
 - Working with partners or in small groups
 - Evaluating our own and other's work
- **Care for ourselves, others and our world**
 - Promoting a healthy lifestyle
 - Reusing materials and products to create new ones
 - Make products for others and not just ourselves
 - Respecting the views of the others

Implementation

How we teach Design Technology

The DT curriculum for Early Years Foundation Stage and Key Stage One will be taught through Cooking, mechanisms, textiles and structures. In KS1 Staff use the DT Subject Jingle at the beginning of each session along with the visual timetable icon to ensure children can articulate what DT is like at St Laurence Church Infant School.



DT Jingle: *(To the tune of this Old Man)*

*DT, DT is Design Technology. We have ideas for things that we can make.
We build, sew, join, fix, cook and bake*

We use a range of teaching and learning styles to deliver the DT curriculum. We teach termly themes that incorporate DT skills. Through practical, hands-on lessons we give children the opportunity to embed learning. Children work in mixed ability groups that allow for exploration and discussion. Teachers aim to provide a range of inspiring, rigorous and practical learning opportunities including ICT, to allow the children to develop DT skills and vocabulary. We also embed DT learning by drawing on other disciplines such as Mathematics, Science, Engineering, Computing and Art, forest school, and special events that may occur during the school year.

How we teach DT in EYFS

In EYFS DT is taught through Expressive Arts and Design but it is an integral part of all aspects of the EYFS curriculum. The children learn how to use basic tools safely such as scissors and single hole punches. They are introduced to different ways to attach items together and how to build and construct.

How we teach DT in KS1

DT is taught in blocks and fits within a wider learning theme. Children will have the opportunity to design and make purposeful, functional, appealing products for themselves and others. In Year One the children are introduced to textiles and different materials. They will learn how things can be attached. They have opportunities to learn about using templates for drawing and cutting around. The children will also make a simple recipe and start to see how ingredients can be combined to make healthy food. Mechanisms are introduced in Year One and the children will explore simple axles. These three areas of DT are revisited again in Year two with a focus on developing these skills and adding in more challenge and independence. The children will learn about the main food groups as they decide upon a recipe design and cook a simple dish. They will develop their

textiles by joining two pieces of materials together by using simple stitches and learn how to use wadding.

How we ensure all children access the DT curriculum

At St Laurence Church Infant School all children access the DT curriculum regardless of ability. This is achieved by carefully planned lessons and a range of learning opportunities.

How we assess DT

Each new lesson in DT is introduced by looking back through our red books. These show photos and newly acquired vocabulary from the previous lesson. This is the starting point for the new learning. Teachers assess how the children learn through observations. Teachers use questioning skills to extend learning and give children the opportunity to expand their understanding through practical activities. Children get immediate feedback during the lesson time and steps to move their learning forward. Teachers encourage children to make links across the curriculum and allow them to demonstrate their knowledge of DT at any time. Teachers use this knowledge to assess progress against the DT National curriculum. The children record their DT in their own red books which are marked by their teachers.

How is the teaching and learning of DT monitored?

The subject lead has regular discussions with class teachers about the delivery of DT curriculum. The subjects Lead provides support with lesson planning and monitors books. These discussions allow planning to be updated, modified and improved according to best fit the children. The subject lead has discussions with children to find their views about on DT and to assess what they have learnt.

Impact

Children at St Laurence Church Infants will develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world.

The children will build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users

They will have critiqued, evaluated and tested their ideas and products and the work of others

The children will understand and apply the principles of nutrition and learn how to cook

Equal Opportunities

All staff are aware of the Birmingham Policy for Equal Opportunities and we have our own school policy. We actively seek to ensure that no child is disadvantaged because of background, language, disability, race or gender. Results are scrutinized to ensure that any child who appears to be disadvantaged is given appropriate opportunities to redress this.

Resources

Resources for DT are held within individual classes, across year groups and in a central resource area (Park room.)

Individual classroom resources are checked on a regular basis and staff are regularly asked about their resource needs.

Review

This Policy will be reviewed within the next 3 years or before if there are changes to the Design Technology curriculum.

Date of policy June 2023

Date of review June 2026

DT Co-ordinator Penny Meara