# Design Technology Policy

| Date of policy | February 2024 |
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| Member of staff responsible | R Sangster |
| Review Date | February 2026 |

# Design Technology at Norwich Road Academy

## Intent

*'High- quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation' (The National Curriculum)*

Design and Technology is an inspiring, rigorous and practical subject that encourages children to learn to think and intervene creatively to solve problems, both as individuals and as members of a team.

At Norwich Road Academy we encourage children to use their creativity and imagination to design and make products that solve real and relevant problems within a variety of contexts. We also make links to designs and designers throughout history, providing opportunities for children to critically reflect upon and evaluate their designs.

We aim to give the children the experiences and skills of a wide range of formal elements of design and concepts of technology in a way that will enhance their learning opportunities, enabling them to use design and technology across a range of subjects to be creative and solve problems, ensuring they make progress.

> **All of this will be supported by the Norwich Road values of:**

- **Empower-Motivate-Aspire-Transform-Be Proud-Connect**

## Implementation

### Design and Technology within the Early Years

In the Foundation Stage, the children will undertake rich cross-curricular activities to assist in their progress working towards the completion of their early learning goals. Pupils will have the opportunity to develop:

- An understanding of a wide range of materials and media;
- A preferred choice of expression;
- Use and experiment with a variety of materials, tools and techniques;
- The skills needed to design, manipulate and create with an intent and achieve their desired result.

### Design and Technology within Key Stage 1 and 2

Our EMAT curriculum for Design and Technology is delivered through the Primary Knowledge Curriculum (PKC). Children will follow three strands during the course of the year: food technology (cook), construction (build) and textiles (sew).

This a broad and balanced Design and Technology curriculum that builds on previous learning and provides both support and challenge for learners. Through a variety of creative and practical activities we teach the knowledge, understanding and skills needed to engage in an interactive process of designing and making.

The National Curriculum outlines 3 main areas of the design process: design, make and evaluate. At Norwich Road each stage of the design process is underpinned by technical knowledge which encompass the contextual, historical and technical understanding required for each strand.

**Design** – use research and develop design criteria to design for a purpose and communicate their ideas through a range of mediums.

**Make** – use a wider range of tools and equipment with accuracy and use a wider range of materials and components according to their qualities.

**Evaluate** – evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

For each unit there is a Knowledge Organiser which will be introduced to the children in the first session and referred to regularly throughout subsequent lessons.

All classes will have Design and Technology lessons on a rota system with Art and Design. One half term will have Design and Technology and vice versa**.**

**SEND and Inclusion**

At Norwich Road Academy, we endeavour to meet the needs of all children, taking into account gender, ethnicity, culture, religion, language and disability. The provision for children with Special Educational Needs and Disabilities is detailed in the SEND Policy. Children with SEND are supported through additional or adapted resources, differentiated learning tasks, targeted adult support and interventions. Some children may need additional time or careful scaffolding to understand or complete a task.

**Impact**

Progress in Design and Technology is demonstrated through regularly reviewing and scrutinising children's work to ensure that progression of skills is taking place. Namely through:

- Looking at pupils' work, especially over time as they gain skills and knowledge;
- Observing how they perform in lessons;
- Talking to them about what they know.

Each child has a Design and Technology book in which to record each stage of the process – research, design, make and evaluate. At the end of each term, teachers record their assessment of each child's Design and Technology achievements on Pupil Asset. From here, the Design and Technology Subject Lead evaluates the data and discusses any needs with class teachers.

## Health and Safety

Teachers should ensure that the use of all potentially hazardous resources is strictly supervised. Children should be shown safe procedures for using such resources and should be made aware of the dangers. If in doubt teachers should liaise with the design and technology subject leader to ensure they are familiar with the safe procedures for using certain resources. All teachers have a copy of the design and technology risk assessment.

## Resources

There is a central store containing design and technology resources. Equipment for food technology is kept in the cupboard at the back of the dining hall. It is the responsibility of the subject lead to ensure these are kept well stocked with the resources required for the curriculum.

## Subject Leader

Subject Leaders at Norwich Road Academy will:

-Prepare and review subject policy and curriculum plans

-Promote the study of the subject throughout the academy

- Advise and support staff in the planning, delivery and assessment of design and technology;

- Monitor and evaluate the standards of children's work and the quality of teaching in design and technology throughout the school;

-Attend appropriate CPD and stay informed regarding developments within their subject

-Provide and evaluate learning resources

-Provide training and CPD to staff on the subject curriculum and its delivery, and keep them informed about subject developments nationally

-Assess the impact of the subject curriculum on pupil's learning and development

## Monitoring and review

This policy will be reviewed by staff and governors at least every 2 years.