

Curriculum Intent: DT

Our Design Technology Curriculum

At LCP our DT curriculum aims to give children the practical skills, knowledge, creativity and understanding they need to design, make and evaluate products which solve real, relevant problems. They learn vital skills that they can carry throughout their education and into their adult lives. Children will use their imagination and problem-solving skills to solve practical problems in different contexts, considering their own and others' needs, wants, and values. They will learn to work co-operatively in a team as well as risk taking, through innovation.

We use the Kapow planning scheme, which is built around developing rich knowledge and builds skills, as well as extending vocabulary and offering varied retrieval opportunities. Our DT curriculum follows the National Curriculum aims of:

- Design
- Make
- Evaluate
- Technical knowledge

Starting in the Early Years, our curriculum will provide rich opportunities to explore with materials, tools, construction and modelling. Throughout the curriculum we will ensure progression in the key DT skills of planning, making and refining a product or process. DT will build upon and link with other relevant disciplines such as mathematics, science, computing, art and history. We will draw on Manchester's rich engineering, technology and design heritage to enhance children's understanding of past and present design and technology. We will encourage children to describe and discuss their own designs and those in the world around them.

Children will be introduced to the satisfaction of crafting an end product with the associated benefits to positive mental health and self-esteem. Design and Technology will also help build resilience as children learn how to persevere with new skills and to critique and improve an initial attempt.

We have high expectations in place around the vocabulary children use. We celebrate the **diversity** of our community and acknowledge that a focus on vocabulary is essential to build skills. We teach tiered vocabulary across the curriculum from Reception through to Year 6.

Our Design and Technology curriculum will lay the foundations for future study and the development of the practical skills that are the foundation of a self-sufficient adult, including basic sewing, cooking, woodwork and other household maintenance skills. We will encourage families to support us in going beyond gender stereotypes to ensure both boys and girls become confident with the full range of DT skills, tools, materials and techniques.

United Nations Convention on the Rights of the child

Article 2 Every child has the same rights whatever their gender.

Article 29 Education must develop every child's personality, talents and abilities to the full.

Article 31 The right to relax, play and join in a wide range of cultural and artistic activities

