

## Design and Technology Mission Statement

Design and Technology is an inspiring and practical subject that aims to equip the pupils with real life skills. It draws upon the wider curriculum particularly Mathematics, Science, ICT and Art. Through our carefully designed curriculum pupils will develop an in depth understanding of materials and their components, mechanisms, control systems, product quality and Health and Safety. We aim to stimulate creativity and imagination as pupils are able to design and make products that solve real and relevant problems within a variety of contexts. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of our school.

The new National Curriculum (2014) defines four main aspects to the Design and Technology Curriculum:

**Design, Make, Evaluate, Technical knowledge.** At Lozells Junior, Infant and Nursery School Children will be given the opportunity to explore and learn these aspects from Early years to year 6.

### Foundation Stage

Throughout the Foundation Stage, the children are constantly provided with the opportunities to design, make and evaluate different products through continuous provision. The children have plenty of occasions to express themselves through their own designs and learn at a very early age that it is acceptable for their work to be unique and it doesn't have to look the same.

### Key stage 1

- Children are taught to look at familiar products made of materials such as card, textiles and food to see how they work.
- Practise simple practical skills and do tasks, such as folding, cutting and gluing, which will enable them to make their own product.
- Plan and create their own product, using the key skills and knowledge they have gained.

## Key Stage 2

- Children are taught to analyse products by looking at how they work and how they are used.
- Ask the views of people who use the product to gain an understanding of what is liked and disliked in the current market.
- Practise practical skills and tasks, such as cutting joining, fixing and connecting.
- Design and create their final product, using the key skills and knowledge gained.

At Lozells Junior, Infant and Nursery School, our Design and Technology aims are to:

- Provide a stimulating and relevant curriculum for all pupils
- Meet the requirements for the National Curriculum Programmes of study for the Design and Technology Curriculum.
- Equip pupils with the skills and confidence to use design and Technology throughout their lives.

At Lozells Junior, Infant and Nursery School we are also committed to safeguarding and promoting the welfare of all children. The Health and Safety aspect of the subject ensures all children understand how to handle specialised equipment, food and materials correctly.