

## Design & Technology Curriculum Intent, Implementation, Impact



### Intent

At Aston Fence, we value design and technology as a vital part of our children's entitlement to a broad and balanced curriculum.

Design and Technology is an inspiring, rigorous and practical subject. Design and Technology encourages children to learn, to think and to work creatively in order to solve problems both as individuals and as members of a team. At Aston Fence, 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, considering their own and others' needs, wants and values. We aim to, wherever possible, link work to other disciplines such as mathematics, science, computing and art. The children are also provided with opportunities to reflect upon and evaluate past and present design technology, its uses and its effectiveness and they are encouraged to become innovators and risk-takers.

### Implementation

At Aston Fence, we focus upon three stages to a design and technology project:

- ?? and disassembly – where children explore existing products
- Focussed practical task – where children are taught a particular skill or technique
- Design, make and evaluate – where children plan, design, make and evaluate a product which is evaluated against a set of given criteria.

We teach a range of skills and techniques in every year group in every term in line with our long term plan. As the children progress, we encourage them to extend and refine their skills by exploring ever more challenging design situations.

- We link DT as closely to the topic for the term in order to ensure relevance and context.
- We teach a predominantly skills-based curriculum, which covers all elements of the National Curriculum. Full details of our art curriculum can be found in our Long Term Plan.
- We re-teach skills throughout the children's time in school. Skills are revisited and honed in order to enable progression in terms of depth and challenge and to build upon children's prior learning.
- We ensure that each child develops their skills and techniques in a way appropriate to them, through clear differentiation and support, active and purposeful experiences, and by using a variety of materials and teaching strategies.
- We foster an enjoyment and appreciation of design and a knowledge of designers.
- Each child has a DT book. We use the books to teach specific skills and explore different techniques as well as using them as a place for pupils to explore design ideas and record their plans.
- Cross-curricular links are integral to our curriculum and allow all children to deepen their understanding across different subjects, including the use of technology.

- Termly visits can act as a stimulus for DT work.
- Opportunities to reflect and develop are planned for and taught in every year group.
- Effective CPD and standardisation opportunities are available to staff to ensure high levels of confidence and knowledge are maintained.

### **Impact**

By the end of their time with us, we want pupils to have learned, improved and embedded a range of DT skills. They should have an awareness of a broad range of designers, and be able to consider and discuss the work they come across. We want our pupils to be confident to explore, experiment and take risks, placing value on the process and journey that they take, not just on the finished product. Most importantly, we want children to have found and enjoyed a creative outlet – a means of self-expression and enjoyment.