

DT

Intent

Design and technology is an inspiring, creative and practical subject. Our children have opportunities to use their creativity to design and make products that solve real problems within a variety of contexts. They acquire a broad range of subject knowledge and make cross-curricular links with their topic as well as maths, science, computing and art. At Clara Grant, we aim to provide a quality design and technology education as we believe it makes an essential contribution to the creativity and culture of society.

Implementation

DT is taught using a thematic curriculum from Nursery through to Year 6 and aims to ensure that all our children remember long-term DT content they have learnt and integrate new knowledge into bigger ideas. We use Hamilton Trust planning and resources to complement our units of work. Teachers present content clearly, promoting quality discussion and ensuring children can evaluate the work of designers they are learning about. Children learn how to take risks, becoming resourceful, innovative and enterprising citizens. Through the evaluation of design and technology, they develop a critical understanding of its impact on daily life and the world around us. Through keeping up to date with new technology we aim to prepare children for technological advancements.

Impact

Teachers use a variety of strategies such as regular and consistent feedback, coherently planned and demanding learning experiences and the use of topic books to evaluate the knowledge, skills and understanding that our children have gained in DT during each unit. Our children are equipped with the essential DT knowledge and skills needed for the next stage in their education. We use a variety of strategies to evaluate the knowledge, skills and understanding that our children gain as they progress across the school:

- CPD to ensure that teacher pedagogy and assessment is secure.
- regular verbal feedback and pupil voice feedback.
- subject monitoring, including topic book looks and learning walks.

Enrichment

At Clara Grant, we maximise children's DT learning by providing them with a range of memorable experiences. Reflecting a topic-based approach, we offer our children an extensive range of planned opportunities, for example, learning from designers, participating in workshops or visiting the wealth of museums London has to offer. DT enrichment activities at Clara Grant include:

- The Design Museum visits
- Cooking workshops (Pizza Express)
- *Open City – Architecture in Schools*
- *Digital sculpting (Computer Aided Design)*
- *3D printing*
- *Laser cutting*
- *Primary Engineer*
- *Designing own laser cut products for sale at School Fair*