

IMPLEMENTATION & IMPACT OF D&T AT MILE CROSS PRIMARY



Mile Cross Primary School's Design and Technology curriculum develops children's skills and knowledge in design, structures, mechanisms, electrical control and a range of materials, including food. It encourages children's creativity and fosters real life skills and questioning.

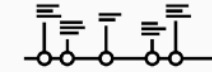
We encourage the children to design, make and evaluate a range of real and useful products.

Children will learn about great designers and develop critical analysis of products so that their personal understanding of design improves.



BIG IDEAS

- **Design:** Based on a certain criteria derived from examining and evaluating a range of ready-made products.
- **Make:** Using a range of materials and using a variety of joining techniques. Applies basic food hygiene and other safe food practices.
- **Technical knowledge:** Apply understanding of how tools work.
- **Evaluate:** Critically analyse their product referring to the original design criteria. Understand how key events and individuals have shaped the world.



CONTENT & SEQUENCING

EYFS: Children develop their understanding of how tools work through using a variety of techniques, joins and improve their use of tools throughout the year to make a product for a purpose.

KS1: Children develop their designs ideas using their own ideas and experiences. They make initial designs for their own products and begin to select their own appropriate tools and techniques and evaluate strengths and areas to improve.

KS2: Children develop products for a purpose and have clear plans in order to assemble components. Their designs overcome misconceptions through trial & error and experience. Children are able to evaluate against their initial design and carry out tests to ensure their product is fit for purpose and suggest modifications.



RESOURCES

- Each class is equipped with appropriate media and materials to support the curriculum.
- The school provides iPads to research and for digital planning opportunities.
- All children access Forest School, providing opportunities to use tools safely and proficiently.
- Professional membership of D&T Association
- Visiting designers.



RETRIEVAL

- Inclusive learning environment which is safe and empowering.
- Children improve their personal evaluation skills.
- Children are able to utilise and adapt previous year's learnt skills and techniques to apply to new designs



PROGRESS

- Skills are developed and sequenced along themes that build on work from previous years.
- The class teacher continually carries out formative assessment in design and technology lessons.
- Questioning, observations, discussions and evidence of work.
- Summative assessment is used termly to track children's progress to assess if they are working towards, at or above.



SUPPORT

- Practical resources and discussion with less reliance upon written activities.
- Adult support where appropriate.
- The school's *Nurture Nook* is utilised for small groups of children experiencing trauma and for mental health triage or order to hone and develop fine and gross motor skills.