

NEWBALD PRIMARY SCHOOL

DESIGN TECHNOLOGY

Why is DT important?

Design and Technology develops pupils' skills and knowledge in design, structures, mechanisms, electrical control and a range of materials, including food. It encourages children's creativity, problem solving skills and encourages them to think about **important** issues.

What does DT look like at Newbald?

The children from EYS to Year 6 engage in Design and Technology as part of our creative curriculum. Many of our projects are linked to our curriculum, especially Science. A progression of skills is taught across the year group, using tools and resources in different ways. Our pupils are encouraged to be inventive in both design and in making. The children are learning to evaluate effectively. Our STEM and Forest School opportunities enable the children to use problem solving skills and outdoor learning and have a greater understanding of design and engineering in the wider world.

What is our extra-curricular provision?

Our STEM program and enrichment trips frequently have a Design and Technology emphasis. Cooking is an integral part of both our curriculum, but also takes place in the Sunshine after-school club.



OUR VISION

What is our vision for DT?

- * For all staff to have the skills to teach an outstanding and exciting D.T curriculum.
- *For children to have an increased confidence, independence, resilience and skills to design, adapt and create work of a very high standard.
- *For children to use collaboration and problem- solving skills independently.
- * For children to have an understanding of how Design Technology has an impact on the wider world and to inspire our designers of the future.



OUR MISSION

How are we achieving our vision?

- *A whole school approach to DT has been implemented.
- *In house support is given to teachers and CPD where required.
- *STEM has been an integral part of our curriculum for many years, children have the chance to develop independent problem-solving skills, with children providing mentoring opportunities for younger children.
- *STEM and our curriculum make clear links to the real world, with a focus on real World an Environmental Issues.

OUR VALUES

How do our values promote DT?

Within our daily school life, we encourage our children to be respectful, determined, kind and positive. Pupils are encouraged to work collaboratively in Newbald, learning to listen, question and problem solve together. Peer mentors provide an excellent opportunity for older children to be role models for the younger children, not only sharing and teaching skills, but leading by example in our collaboratively learning.

