Design Technology Curriculum

Intent, Implementation & Impact

Intent

At Rollesby Primary, the D&T curriculum enables our children to exercise their creativity through designing and making. Through an inspiring, rigorous and practical subject we encourage our children to learn and think creatively to solve problems. D&T is cross curricular and enables children to use their subject knowledge especially within mathematics, science, history, computing and art. Skills are taught progressively to ensure that all children can learn and practice to develop as they move through the school. Evaluation is an integral part of the design process and allows children to adapt and improve their product. Children's interests are captured through theme learning, giving children motivation and meaning for their learning.

Implementation

At Rollesby Primary School we provide an inclusive, creative DT curriculum, enabling all pupils to develop their design and evaluation skills.
All children will be taught to develop their creative, technical and practical expertise needed to perform everyday design and technology tasks, confidently and enthusiastically, to help them to participate successfully in an ever increasingly technological world.

Teaching DT through the National Curriculum will build and apply a repertoire of knowledge, understanding and clear skills which children will develop and progress each academic year. All teaching of DT at Rollesby Primary School follows the design, make and evaluate cycle. The design processes are made to be real-life, relevant contexts to give meaning to their learning.

Children will be taught to critique, evaluate and test their ideas and products and the work of others. When evaluating, children will be able to do so against a design criteria.

The key skills we teach the children are:
- Sewing and textiles
- Cooking and nutrition
- Electrical and mechanical components
- Using materials.

Impact

By the time the children at Rollesby leave our school they should have developed:

- An excellent attitude to learning, independent working and a passion for the subject

- The ability to use time efficiently and work constructively and productively with others.

- The ability to carry out thorough research, show initiative and ask questions to develop an exceptionally detailed knowledge of users' needs.

- The ability to act as responsible designers and makers, working ethically, using finite materials carefully and working safely.

- A thorough knowledge of which tools, equipment and materials to use to make their products.

- The ability to apply mathematical knowledge and skills accurately.

- The ability to manage risks exceptionally well to manufacture products safely and hygienically.