



# DT

## at Mill Dam



### Intent

While at Mill Dam School all children will take part in DT lessons. Our aim for children is to learn to think creatively to solve problems, working by themselves and as a team. We want children to be confident in their own creativity, and to learn to reflect on what they have created. During their time at Mill Dam children will:

- Develop their designing skills
- Develop their making skills.
- Evaluate their work and the work of others
- Understand how to safely use a range of tools.
- Begin to understand how products have been designed, past and present.
- Develop their knowledge and understanding of technological processes.
- Experience DT units based on resistant materials, textiles and food.

### Implementation

Through different practical projects children are taught to:

Design – use research, a design criteria and prior knowledge to design appealing products that are fit for purpose.

Make – select from different resources and tools, and explore ways to join different materials together.

Evaluate – investigate and evaluate existing and own products.

Children are also taught a wide range of technical knowledge. This includes understanding how to strengthen and stiffen materials, how to use mechanical systems and how to use electrical systems.

### Impact

Children are able to disassemble, review, design, make and evaluate a range of projects using a range of materials. They have full access to all areas of learning and will have developed a range of skills during their time at Mill Dam. All children will have access to all projects with support in place to ensure that everyone can participate fully.

### Cross curricular and extra curricular links.

- Respect for all: projects from minority groups given equal focus.
- Community links: Waterton young chef competition.
- Ecological awareness: recycling
- Equality: all children are able to take part and participation in extra curricular work will be tracked and reviewed.
- Extra curricular links: In KS2 the Kingswood residential builds on making and problem solving skills in a range of activities. During STEM, cooking and lego clubs children have the opportunity to put their learning into practice.
- Cross curricular links: Our forest school provision links closely to many aspects of DT. Where appropriate some links between art and DT and between DT and science or history are established.

