

## Curriculum

### Intent

Design and Technology aims to inspire children through a broad range of practical experiences to create innovative designs which solve real and relevant problems within a variety of different contexts. Each year group has a progressive curriculum which builds on children's prior knowledge. The DT curriculum is also cross curricular and links to children's topics. It aims to encourage children to identify real and relevant problems, critically evaluate existing product and then take risks and innovate when designing and creating solutions to the problems. There is time built in to reflect, evaluate and improve on prototypes using design criteria throughout to support this process. Opportunities are provided for children to evaluate key events and individuals who have helped shape the world, showing the real impact of design and technology on the wider environment and helping to inspire children to become the next generation of innovators.

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### Implementation

There is a strict DT process that is followed in school. KS1, LKS2 and UKS2 all have different identified skills that are progressive throughout the years. Classes have two complete DT projects that they will complete every term, these will be very closely linked to their topics. This will allow Design and technology to be taught in a cross curricular way. These projects will be very detailed and will hit the expectations of the national curriculum (design, make, evaluate, technical knowledge and cooking and nutrition). Teachers may also complete stand- alone DT lessons that may be identified as skill gaps for their class.

Through these lessons, we intend to inspire pupils and practitioners to develop a love of Design and Technology and see how it has helped shaped the ever-evolving technological world they live in.

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### Impact

The clear and concise approach to Design and Technology will mean that progression is taught in all year groups. Children will be creating products that matter to them and are relevant. They will see the importance of Design and Technology as a subject. Pupils will have an increased technical vocabulary as they move through each year group.

We want to ensure that Design and Technology is loved by teachers and pupils across school, therefore encouraging them to want to continue building on this wealth of skills and understanding, now and in the future.

Impact can also be measured through key questioning skills built into lessons, the prototypes and products the children make and also the pupil voice. Children should be excited to learn about Design and Technology.