

Design Technology

Curriculum Statement



Teacher: Class teacher

Time per week: Equal to 1 hour per week, one half-term per term will have 1 DT afternoon per week.

Homework: KS1: Homework grids will include choices including a DT task; KS2 DT topic task one per term.

Enrichment activities:

Autumn & Spring: National STEM competition opportunities & challenge tasks

Summer - Design and Make Day (whole school vertically integrated, collaborative teamwork, themed day)

INTENT

At Long Crendon Primary School we encourage children to think creatively to solve problems both individually and collaboratively. Design and Technology is an inspiring and practical subject, we aim to provide opportunities for children to plan, experiment, make and evaluate. We support children

to develop technical understanding and making skills, learn about design methods and investigate their environment and the materials around them.

IMPLEMENTATION

In KS1 children learn to research, design, make prototypes, make and evaluate. They will learn the skills to prepare fruit and vegetables safely and hygienically, how to join two materials together, create free standing structures, make sliders and levers that move and use control and monitoring to make a BeeBot move. The curriculum focuses on developing previous skills learned and taking creative risks.

In KS2 children learn how to create dishes that follow a healthy and varied diet and celebrate seasonality. How to create shell and frame structures, to use electronic and mechanical systems, use IT control and monitoring systems to control products. How to make mechanisms using wheels, axels, cams and pneumatics and how to use different joining techniques to join fabrics.

Each unit develops on what they have previously learned and endeavours to inspire children to become designers.

IMPACT

Children's design and making skills are assessed and supported through each teaching session and gaps are addressed.

After each unit has been completed, teachers refer to the assessment supporting documents.