

Mablins Lane Community Primary School

Design and Technology Impact Statement

At Mablins Lane Community Primary School, Design and Technology is taught as a stand-alone subject, in addition to cross-curricular activities planned by each year group.

Stand-alone lessons are planned from Year 1 through to Year 6 in accordance to the school's Design and Technology Scheme of Work. This in turn follows the Design and Technology Association's national scheme of work: Projects on a Page.

Additional cross-curricular lessons and activities are planned by year groups to support children's learning in other subjects, and reinforce key Design and Technology skills. This has included activities such as designing and building buses in Year 1 to support their Talk4Writing unit 'The Naughty Bus', Egyptian death masks in Year 3 to support their Ancient Egyptians history topic and creating virtual prototypes of toys in Year 4 as part of their computing scheme of work.

The school also participates in additional activities that enhance the children's awareness of design and technology outside of school. This aims to raise the profile of Design and Technology inside of school, as well as providing children with aspirations for their future lives. Such activities include entry into the national 'Fly to the Line' glider competition sponsored by RAF Cosford and The Learning Partnership, and specialist JuniorSTEM Primary Robotics workshops.

The delivery of Design and Technology across the school, as set out above, will have the following impact on children.

Children will:

- develop the expertise needed to perform everyday tasks confidently and participate successfully in an increasingly technological world.
- develop their knowledge, and learn the techniques and skills needed to design and make high-quality prototypes and products.
- learn how to critique, evaluate and test their ideas and products, as well as the work of others.
- understand and apply the principles of nutrition and learn how to cook.
- develop an enjoyment, satisfaction and purpose in designing and making.

Design and Technology Leadership impact

- DT inset session delivered during 2017-2018 school year to raise profile of DT across the school's teaching staff.
- DT Scheme of work designed in line with Projects on a Page during Summer term 2018. Year group leads consulted during design process to ensure buy-in and best possible alignment with planned topics.
- Scheme of work implemented in the 2018 - 2019 school year. All documents cascaded to teaching staff ahead of school year to allow for adequate planning time.
- Staff training delivered during Autumn term 2018 on implementing the Design and Technology scheme of work and using Projects on a Page to plan lessons.
- Site manager organising Year 6 DT Workshop small group intervention. DT Leadership consulted re. scheme of work and curriculum aims to ensure outcomes are aligned to school objectives.
- JuniorSTEM robotics workshops organised across Year 3 classes in Autumn term 2018.
- Fly to the Line competition entered in Spring term 2019. School qualified during the regional heat, and will be taking part in the national finals on 2nd April 2019.