



Dear Parent/Guardian

Design Technology - Information for Key Stage 3 Parents - September 2021

Over the past year we have been planning and reshaping the Design and Technology curriculum for teaching at Key Stage 3. Students now have two rotations of Design and Technology in Years 7,8 and 9, with the second rotation being called Product Design. The aim is to provide students with a broader range of exciting designing and making experiences. The projects are focused not only to meet the requirements of the National Curriculum, but also to develop creative thought processes and practical confidence which will benefit them in GCSE D&T and far beyond.

In Year 7 students will complete the Wind Chime and Botanical Inspired Printing projects. The Wind Chime project will develop skills in product analysis, iterative design and be exposed to a variety of materials, tools, machines and CAD/CAM. While the Botanical Inspired printing project will have students use biomimicry and other design strategies to create a vinyl pattern for printing on fabric. Health and safety is at the core of these projects, along with creative thinking, client considerations and developing a passion for designing and making.

In Year 8 students will look at pewter casting, traditional electronic circuits and programmable electronics in Design and Technology, while in Product Design they will be looking at perspective drawing, 3D CAD, architecturally inspired modelling and logo design. There is considerable practical time for both of these rotations and we are confident students will find these projects highly engaging. Our aim in Year 8 is to build on the skills developed in Year 7, while enabling students to see how a broad range of design and practical skills can be incorporated and complement each other.

In Year 9 the Design and Technology projects are the Ball Puzzle, Copper Amulet and a Wooden Puzzle. Product Design will focus on a Sustainable Packaging project. The pace of the courses will be more intense with a focus on quality control, tolerance, sustainability and consumer and designer responsibilities. We will build on the previous courses and further develop the understanding of materials, processes and creative designing. The array of skills visited and pace will prepare students for GCSE D&T as an option.

Due to the cost of delivering this broad interactive curriculum, we are asking for a voluntary contribution of £6.00 per student per year, while students are at Key Stage 3. This voluntary contribution only covers the consumables used by the students and all students will be encouraged to take their completed projects home for you to see. If your child is entitled to the Pupil Premium Grant their contribution can be covered.

Methods of payment are as follows:

- Please pay by credit or debit card via the school website
- To do this you should go to <http://langtreeschool.com> and click on the 'SCOPAY' icon on the front page. If you don't have your pupil link code contact finance who can give you the code.
- If you have any queries or difficulties with payment, please contact the finance office at: finance@langtreeschool.com

We are excited to be able to offer this range of engaging learning opportunities to the students. If you have any enquiries please let me know and I will be happy to answer your questions. Thank you in advance for your support.

Yours sincerely

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