Archbishop Tenison's

CHURCH OF ENGLAND HIGH SCHOOL

Technology Curriculum

Product Design: Resistant Materials Product Design: Graphics Food Preparation And Nutrition

- *In Technology pupils combine practical and technological skills with creative thinking to design and make products and systems that meet human needs.*
- *They learn to use current technologies and consider the impact of future technological developments.*
- *They learn to think creatively and intervene to improve the quality of life, solving problems as individuals and members of a team.*
- *Projects are split into 3 significant areas to assure all key skills have been covered.*

September 2020

Technology Curriculum

Product Design: Resistant Materials

- *Pupils are taught in our well equipped workshop by a subject specialist and specialist technician support.*
- *The workshop environment is always an exciting place for the Year 7 pupils and our focus on safe working practices with practical skills gets them involved within the first couple of weeks of study. Our current project of Money boxes introduces the pupils to both hand and machine tools that can be built on in both Year 8 and Year 9.*
- *Our Key Stage 3 Curriculum continues with focus in Year 8 on mechanisms and mechanical devices.*
- *Year 9 opens up to build an understanding of New and Emerging Technologies, Design Movements and the work of Famous Designers. This is directly from the AQA GCSE course. Practical focuses on a range of well finished simple products: clocks, Travel games, specialist craft joinery being some of our work.*

Each year has a strong emphasis on making with the design process at its heart.

Technology Curriculum

Product Design: Graphics

- *Pupils are taught in our large design room equipped with PC's.*
- *Dedicated study for Graphics is possible in Year 7 and Year 9.*
- *An understanding of how to communicate via a graphic medium is intrinsic to the study of design technology. Designers are not artists but the do need to be able to communicate an idea.*
- *In Year 7 we focus on the question, 'What is Graphics?' With the focus of Graphic Design pupils build an understanding of typography, colour and logo design in a first short project. Currently our second project opens up the world of CAD/CAM allowing the pupils to create a product with our laser cutting technology.*
- *Our Year 9 project builds 3D and orthographic drawing skills with a focus on designing small starter homes. This allows the pupils to consider a specialist career area whilst building technical drawing ability and model making skills that are part of the GCSE course.*

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Technology Curriculum

Food Preparation and Nutrition

- *Pupils are taught in our large fully equipped Food room with both a specialist teacher and specialist technician.*
- *At Tenison's the Food Department still enjoys the links with the Design Technology area at KS3 via its practical emphasis.*
- *Food Preparation and Nutrition is studied in Years 7, 8 and 9.*
- *Today it is vital for all pupils to have a sound understanding of the role of food in their health, both physical and mental. The science of nutrition is at the heart of the knowledge, with regular practical activities to build skills in preparing their own well balanced and nutritious food. The life skills of being able to cook is invaluable and a strong focus for our pupils, but the study takes the pupils on a journey to understanding about their own body machine.*
- *Food is a massive industry and pupils are also introduced to choices for seasonality and sustainability at this stage.*

September 2020

WHAT'S GREAT ABOUT SUBJECT AT TENISON'S

- *The practical focus in all our areas creates a positive buzz in the lessons. It is important to remember that independence is demanded from year 7 as a practical activity relies on participation.*

- *Tenison's pupils love to participate!*

- *Pupils can continue their studies in*
    - *GCSE: Food Preparation and Nutrition*
    - *GCSE: Product Design*
    - *A Level: Product Design*

September 2019

OPPORTUNITIES AND SUCCESSES

- *The Department promotes competitions and fund raising activities across all years.*
- *We actively encourage our pupils to continue with their own creative projects at home, supporting through after school sessions.*
- *Visits to the Design Museum and from visiting professionals show our pupils the possibilities with the subject as future careers.*
- *Extra Curricular Projects in conjunction with local companies provide valuable experience of potential careers: MottMacDonald: Inspiring Engineers Scheme, Design Museum: Design Ventura*

Our Students have gone on to study:

- *Catering, Nutrition, dietitian, Furniture Design, Industrial Product Design,*
- *Civil and Mechanical Engineering, Architecture.*