



Subject

Design and Technology

Curriculum Lead

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“You can’t use up Creativity. The more you use, the more you Have” By Maya Angelou



Curriculum Intent Summary:

At The Ursuline Academy Ilford (UAI), we believe that our students deserve an enriched Design & Technology (D&T) curriculum to help prepare them for the world of today and the future! D&T gives young people the skills and abilities to engage positively with the designed and made world. Throughout their KS3 journey, students learn how products and systems are designed, re-imagined, manufactured, how to be innovative and how to make creative use of a variety of resources including traditional and digital technologies, to improve the world around them.

We thrive to provide opportunities, which allow students to develop their knowledge in a range of subject areas including product design, textiles, graphics, engineering and innovation; supporting them to grow in confidence through our dedicated teaching environments, equipment use and process exploration as well as specialist teaching to nurture and support their creative abilities. Students are encouraged to learn to understand and give meaning to the world in which we live in and strive to continuously bring about change in their ideation and work whilst caring for the environment.

It is for these reasons that through our curriculum, we support, develop and provide students with exciting experiences that allow them to combine their practical and technological skills with creative thinking. We also support students to aspire through other learning experiences and strong links in STEAM (Science, Technology, Engineering, Art & Maths) and the wider curriculum to standards of excellence intellectually, practically and aesthetically.

In each year, students’ experiences vary in their use of media and techniques to help broaden their knowledge.

At Key Stage 3 (KS3), our unique curriculum delivery & support, enables students to develop their creative skills, knowledge and understanding of a range of techniques with the use of emerging technologies with progressive complexity and sophistication, so that they are able to make informed choices and work with increasing independence into Key Stages 4 (KS4) & further. Students also work and learn to co-operate, negotiate, share good practice from each other, towards a more sustainable future.

DT lessons are fully differentiated with a range of group demonstrations to ensure full access of our curriculum through a wide range of presentation methods & support. Practical lessons are approached with demonstrations for starter, main task and recall tasks throughout lessons, recognising and celebrating different levels of ability and outcomes whilst offering scaffolding, challenge and stretch for all students allowing them to combine their practical and technological skills with creative thinking. We also support students to aspire through other learning experiences and strong links in STEAM (Science, Technology, Engineering, Art & Maths) and the wider curriculum to standards of excellence intellectually, practically and aesthetically.

Beyond the Classroom - Lunch-time **STEM** Clubs, **Stemettes** programme enrolment, Participation in the **V&A** Schools Partnership programme, Competition entries for the Design Future London (DFL) challenge, The **Big Bang, TeenTech**, Design Ventura, as well as **V&A** Museum & Gallery visits, **SmallPeice** STEM challenges, the British Science Association Days for CREST Award and **SheCanEngineer** activations, Arkwright scholarship enrolment for Year 11 and beyond.

