



Faculty and subject information - The Carlton Academy

Faculty	Art and Design
Department	Design and Technology
Head of Faculty / Department	Hayley Dyer-Ince/Dale Mears
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Overview of the Department

Outcomes
Design and Technology is a department within the Art and Design Faculty. Outcomes for all students have continued to rise both across the academy and within our subject area. The team is focused on ensuring that we continue this very positive trend and continue to recruit more students into Key Stage 5 courses in our subject area. Further information on our achievements and progress can be provided to candidates who are invited for interview or by making contact with the subject leader.
Facilities
We benefit from 3 reasonably sized workshops that enable us to focus on a wide curriculum offer. We have access to computer aided machinery to enable students to produce outstanding outcomes. We have a brand new laser cutter and 3D printing facility. Textiles has it's own Textiles studio which was recently built and offers a good suite of new sewing machines, The food room was recently renovated and offers a great learning environment for our students. The academy has continued to invest in our facilities and receives good levels of funding from the Redhill Trust to ensure we remain well-resourced and work in facilities that the staff and students can thrive within. We are constantly developing our spaces to make them better for our students and staff.
Curriculum
Key Stage 3 Students explore Design and Technology through a rotation around Product Design, Food and Textiles textiles. Students are lucky to receive 2 hours of D&T in Year 7 and 8, and 1 hour in year 9. We have an established curriculum that is planned and in place, allowing us to simply adapt and enhance rather than planning from scratch and we feel our curriculum is engaging and fit for purpose.
Key Stage 4 We offer both vocational and GCSE pathways and have a history of good results in the following: Design and Technology GCSE WJEC Engineering WJEC Hospitality and Catering Food Preparation and Nutrition Design and Technology GCSE (Textiles Focus)
Key Stage 5 We offer an A level in Design and Technology with good numbers, and the right candidate may want to pick up some A level to enhance their experience.
Network and CPD offer
We benefit from and contribute to the wide CPD offer in the academy and also the Trust subject networks. Working in partnership with other subject leaders and teachers provides us with the opportunity to share expertise and ensure we are continually able to reflect and further improve all that



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we do in order to raise the achievement of students. We have a solid team of experienced staff including a subject lead for Textiles and Food, SCITT programme lead, RLE's (internal Trust SLE) for Food, Staff leading primary engagement, National Engineering networks and the Head of Department is current Trust Director for Design and Technology.

Enrichment

A range of supervised activities before, during and after school are on offer including opportunity to try all areas of D&T afterschool including Sewing Bee, Cooking clubs and Upcycling clubs. We have also ran joint clubs linked to STEM and in collaboration with other departments.

We have ran Design and Technology competitions with former Dragons Den contestant and TV personality Max McMurdo as our guest judge, Run community projects in Textiles (food bank bags) and our students have worked to provide QMC Hospitals providing Wiggly bags for the children's ward.

In food we have both enrichment for students and staff working with national organisations. We were the previous world Regional, National and World champions in the Race to the Line Ricket Car competition. Our A level have good links to the local universities and recently Nottingham Trent came in to judge our Inclusivity project presentations. Students will visit in June.