OAKWOOD PARK GRAMMAR SCHOOL
DESIGN & TECHNOLOGY DEPARTMENT PROFILE

Design and Technology at Oakwood Park Grammar School is a popular department amongst the STEM subjects. The department continues to thrive with the main aim being to provide a safe and well-equipped environment which encourages student led learning and allows the students to develop their own creative design skills and knowledge.

Resources: The department comprises of three rooms;
1.   A workshop, which contains a range of hand tools, power tools and workbench machinery. We also have plastic moulding facilities, a metal lathe and spray paint booth.
The workshop also includes a range of CAD / CAM facilities such as a large laser cutter, vinyl plotter and two 3D printers.
We currently use '2D Design' and '3D Solidworks' in the computer aided design of projects.

2.   A teaching classroom, which contains an interactive whiteboard, computers, scanner and colour printer. The computers run a range of design software such as '2D Design', 'Solidworks', 'Photoshop' and 'Microsoft Office'.

3.   A Food Technology workshop, which contains ten cooking stations and a good range of cooking equipment.

During the Foundation Years (Year 7 and Year 8), we have introduced focused practical tasks (FTP), which allows the students to develop their skills and knowledge in processes such as electronics, wood working, metal working, plastic moulding, CAD / CAM and food technology. In the Key Stone Year (Year 9) students have an opportunity to extend their skills with a range of machinery.

At KS4 and KS5, students choose and develop their own design project, which allows them to expand the design skills and knowledge they already have. The courses take the format of a design portfolio, manufacture of a practical piece and an end of year exam. We currently follow the AQA Design & Technology specifications at GCSE and A Level.

Staffing: The department currently consists of a Head of Department, a full time member of staff and a Department Technician. All staff have a range of backgrounds and possess different skills within the Design and Technology subject. All staff have DATA Health and Safety Workshop Training every five years. The department also benefits from allocation department time.

Allocation: The school timetable operates on a two week cycle. Design and Technology is taught to KS3 classes twice a fortnight, five times across the fortnight at KS4 and nine times per fortnight at KS5.

The successful candidate will also be a form tutor.

Results: Outcomes at GCSE and A Level for 2022 were exceptional.

GCSE Design Technology:
50% 9 - 7
100% 9 - 4

A - Level Product Design:
83% A* - A
100% A* - B

If you have any further questions regarding the department, please contact Mr S Peacock, SPeacock@opgs.org.