

# Lancaster Royal Grammar School

## Teacher of Design & Technology



### *Information.*

The Design and Technology Department at LRGS enjoys a high reputation both within and outside the school. A huge amount of success has been enjoyed by the pupils in such areas as the Arkwright Engineering Scholarships, as well as regional and national success in D&T related competitions. The Design & Technology department is a holder of the prestigious PTI mark awarded by the Prince's Teaching Institute and has been for the past 4 years. This is in recognition of the work on curriculum design, CPD, and extracurricular opportunities.

The department is situated in its own building on the upper site overlooking the cricket playing fields and the historic Williamson Park. There are 3 spacious technology classrooms/workshops, 2 x CAD suites, a Sixth Form design studio, and a central cutting room workshop area. Food Technology is taught in a separate building, but our Food & Nutrition teacher is an integral part of the D&T team. The department is staffed by 4 qualified technologists and supported by 2 full-time technicians.

A-level results are strong, with over 70% regularly scoring A\* - B grades, whilst in D&T GCSE, over 75% of students gained a grade 7-9 last year. The department currently offers the following specifications:

- A-level Product Design (3D) – AQA
- GCSE Design & Technology – AQA
- GCSE Food Preparation and Nutrition – AQA

Design and Technology is taught at all key stages, with all pupils at KS3 spending 2/3 of the year in D&T and the remaining 1/3 in the Food department. The D&T department is a dynamic and forward-thinking community with a desire to produce students who can progress into a future career in the design or engineering fields. We specialise in modern manufacture, including 3D printing, CNC routing, Laser cutting, and 3D virtual prototyping. We also firmly believe that a strong knowledge of fundamental hand skills and traditional manufacturing underpins all the modern practices we have in place. Within each workshop you will find a vast range of equipment including 3 x Centre lathes, large milling machine, Chip Forge, Tilting Furnace, MIG welder, 2 x vacuum formers, 3 x pillar drills, 2 x vertical lishers, 2 x bandsaws, table saw, planer/thicknesser, wood lathe, PCB making facilities, steam chest, Laser cutter, Boxford A3HSRi CNC router, 6 x FDM 3D printers, a UV resin 3D printer and large format vinyl cutter.

## **JOB DESCRIPTION**

### ***Summary of the role.***

The successful applicant will be able to teach D&T across the age range. The department has a thriving extra-curricular programme of field trips, and the successful applicant will be willing to contribute proactively to this.

Technology teaching would account for 65% - 75% of a timetable. We are open to applications from candidates seeking a part-time teaching allocation, or there is also flexibility for candidates to apply for a full-time position with the remainder of their teaching allocation being in the Art, Games and / or Values departments. Values is Lancaster Royal Grammar School's bespoke personal development and PSHE programme.

### ***Essential requirements.***

#### ***Teaching and learning.***

The successful applicant will:

- be able to teach D&T across the age range
- be an energetic teacher, who is passionate about D&T and who seeks out opportunities within and beyond the classroom to inspire their pupils
- lead by example and encourage excellence and the highest possible standards
- prepare and deliver well-resourced and well-sequenced lessons
- provide meaningful marking and effective feedback to ensure the progress of all pupils
- ensure that the needs of all pupils, including learners with SEND, are met through adaptive teaching strategies
- maintain excellent records to demonstrate pupil progress
- work collaboratively with the rest of the D&T department to meet the school's priorities
- work with Learning Support Assistants as required
- attend departmental and staff meetings
- perform any other tasks as deemed appropriate by the Head of D&T or Headteacher

#### ***Pastoral leadership.***

All staff at LRGS are expected to help with the pastoral development of pupils. This will involve acting as a Form Tutor with specific responsibility for: registering pupil attendance; leading meaningful educational activities during form time; and monitoring overall progress of the form.

#### ***Desirable.***

All staff are encouraged to make an additional contribution to the life of the school, depending on their interests and inclinations. Possible areas include clubs and societies, sport, outdoor activities, the Combined Cadet Force, drama, and music. There may be the opportunity to assist with the boarding houses. For boarding responsibilities, a separate allowance is provided.



May 2026

CRITERIA	ESSENTIAL REQUIREMENTS	DESIRABLE REQUIREMENTS	EVIDENCE
<b>Qualifications and Experience</b>	<ul style="list-style-type: none"> <li>Graduate with Qualified Teacher Status (degree, PGCE, BEd etc)</li> <li>Ability to teach D&amp;T up to GCSE.</li> </ul>	<ul style="list-style-type: none"> <li>Knowledge of teaching and learning initiatives</li> <li>Successful prior teaching experience and relevant INSET</li> <li>Ability to teach D&amp;T at A-level</li> <li>Knowledge of 2D &amp; 3D CAD software</li> </ul>	<ul style="list-style-type: none"> <li><i>Application form</i></li> <li><i>Lesson Observation</i></li> <li><i>Reference</i></li> </ul>
<b>Knowledge and Experience</b>	<ul style="list-style-type: none"> <li>Effective classroom practice and an ability to plan and deliver engaging, well-resourced lessons that lead to effective pupil progress</li> <li>Broad base of subject knowledge</li> <li>Knowledge and experience of a range of T&amp;L and assessment strategies</li> <li>An ability to evaluate outcomes</li> <li>Ability to create a positive learning environment and maintain very good classroom behaviour</li> <li>Understanding of duties and responsibilities regarding safeguarding and keeping children safe in education</li> </ul>	<ul style="list-style-type: none"> <li>CPD on a range of teaching/learning issues</li> <li>Experience of organising clubs / societies and leading fieldtrips</li> <li>Experience as a form tutor</li> </ul>	<ul style="list-style-type: none"> <li><i>Letter of Application</i></li> <li><i>Lesson Observation</i></li> <li><i>Interview</i></li> </ul>
<b>Personal Qualities</b>	<ul style="list-style-type: none"> <li>Ability to work as part of a subject team</li> <li>Good ICT skills</li> <li>Enthusiastic classroom practitioner</li> <li>Excellent communication and interpersonal skills</li> <li>Very good levels of organisation</li> <li>Ability to work well to deadlines</li> <li>Accurate record keeping</li> <li>Excellent attendance record</li> <li>Contribution to the whole school ethos</li> </ul>	<ul style="list-style-type: none"> <li>Experience of working with ICT in the classroom.</li> <li>Willingness to contribute to co-curricular and extra-curricular activities</li> </ul>	<ul style="list-style-type: none"> <li><i>Reference</i></li> <li><i>Interview</i></li> <li><i>Lesson Observation</i></li> </ul>