



Prior Park Schools

Post: Teacher of Design and Technology

Reporting to:

- 1) Head of Department
- 2) Academic Deputy Head
- 3) Headmaster

Prior Park Schools

Prior Park Schools is a family of Christian schools based in Bath and Gibraltar. Together, the Schools offer education for pupils aged between 3 and 18. Since the establishment of Prior Park College in 1830, the family has grown, with The Paragon School joining in 2006, and Prior Park School Gibraltar being opened by Prior Park Schools in 2016.

The Schools' Mission is to steward a thriving family of communities with love for the young people they serve at their heart. These vibrant communities cultivate creativity, foster integrity, and transform lives.

Across three sites, the Schools educate over 1100 young people of all faiths and none. The values underpinning the Mission and the Schools' educational offerings are Curiosity, Generosity, and Courage. The Schools believe that quality education changes lives and that outstanding schools are engines for positive social transformation.

Our Schools provide excellent teaching, equipping our young people to leave for a variety of exciting destinations. The success of what the Schools do in the classroom is intertwined with their co-curricular offerings. The young people undertake a wide variety of activities, which, in addition to being fun, challenge them to persevere to succeed. We work together imaginatively and courageously to hone the skills our young people need to forge their place in the world.

Prior Park Schools (PPS) have long been renowned for the quality of their pastoral care. Grounded in the love that sits at the centre of our Mission, our pastoral ethos allows young people to feel safe and secure to challenge themselves, to learn who they want to be, and to discover the difference they want to make.

Each of the Schools' Heads are supported by a Leadership Team, who together lead the day-to-day educational business of their respective schools. The Board of Trustees provides governance and support for the Heads and their schools via a number of Advisory Committees which include Local Boards for each of the schools, the Finance, Audit, Investment & Risk Committee (FAIR), an Education Committee and Safeguarding.

The Executive management of the schools is devolved to the Prior Executive Board (PEB) which comprises the Heads of each constituent school, The Director of Operations & Finance. The PEB drives the strategic development of PPS, ensuring that it is on track to deliver its Vision and thereby remains a market leader in independent education.

Purpose of the Role

We are looking to appoint a talented, creative and passionate Design and Technology Teacher to join a forward-thinking successful team on a fixed term basis. Working in an exceptionally well-resourced department, you will be teaching, Key stage 3, GCSE Design & Technology and A-level Product Design in one of the country's leading independent schools.



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This is a full-time post although for the correct candidate a part-time position may be available. The post is suitable either for an experienced teacher, a newly qualified teacher or, dependent on qualifications, someone wishing to undertake a PGCE whilst beginning their teaching. The school has an induction programme in operation for NQTs.

The successful candidate will be highly motivated and able to inspire and communicate with students in the classroom and workshop environment. We are keen to employ a teacher with excellent interpersonal and proven organisational skills. S/he will be flexible in their approach and happy to teach a range of disciplines across a broad age range. In light of the investment made into the CAD/CAM facilities expertise in using CAD software (Solidworks) is extremely desirable.

We welcome applications from people of all faiths and none but an understanding of and support for the school's Catholic/Christian ethos is important for all staff. All teachers are expected to play a full part in the wider extra-curricular life of this busy boarding and day school.

The Department

The award-winning Design and Technology department is well known throughout the school and the local area as being at the forefront of the subject. The main Design & Technology centre is fortunate to be situated in the beautiful listed building of St Peters, one of the prestigious buildings which makes up the stunning Prior Park College. Although the Design and Technology Centre is somewhat restricted within the confines of a Grade 1 listed Georgian building no expense has been spared to ensure that it has the very latest in hi tech facilities as well as the more traditional resources. The department currently comprises of three fulltime teachers, one part-time and two technicians.

Due to the rise in popularity of the subject across GCSE and A Level, the last few years has seen significant investment into its facilities. As well as opening a state-of-the-art Product Design studio designated 6th Form teaching in 2017, the school have also invested heavily in 3D printing and laser cutting technologies. This has helped the department to be recognised as a centre of excellence within this field.

- Co-curricular & Awards

As well as timetabled lessons, the department also recognises the importance of extracurricular activities in giving students more opportunity to experience the many areas of design and creativity. As such it has a vibrant co-curricular offering as well as an enriched trips program. Where possible the department is always looking for ways to engage external agencies and challenge students to take on real design problems to give them a better understanding of the design industry.

For the past 7 years the department has been very successful in its students being awarded the prestigious Arkwright Engineering scholarship. Alongside strong A level results, this has helped them to gain entry to top engineering universities across the country.

- Resources & Facilities

Set over 3 areas the department houses outstanding facilities which mirror that found in industry.

1 - Innovation Workshop

The Innovation workshop is a very well-equipped workspace which can accommodate up to 15 students. It has a CAD/CAM area which houses a CNC Router and Lathe as well as a newly installed Universal 100-watt Laser Cutter. In addition, it has all the usual equipment such as strip heaters, vacuum formers, two new Hegner saws, bench drills, morticer, table router, wood turning lathe, spot welder and plethora hand tools many of which are portable electric ones. The workshop has a newly installed extraction system and has recently been fitted with



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new work benches, storage cupboards and solid wood work tops. There is also small heat treatment area with a brazing hearth and powder coating facilities. An additional sheltered

outside space is used for larger metalwork projects and MIG welding. A staff only prep room is situated just off the workshop where stock materials and subsidiary tools are stored. This also houses a large table saw, band saw, planer thicknesser and chop saw.

2 - Design Studio

The recently refurbished Design Studio is set up to be like a professional design studio where students can design and prototype to an exceptionally high standard. It is equipped with 17 desktop computers loaded with industry standard 2D and 3D software set around the sides of a large central seating area. With the usual printing and scanning facilities this space also houses a full sublimation printing setup with printer and A3 heat press, as well as a small vacuum forming machine. Soldering stations are also present with a small extraction system. An interactive white board, projector and wireless visualiser really helps to convey the finer details of soldering and sketching. A Roland GX-24 optical vinyl cutter is also situated on this floor along with 8 industry standard 3D Printers.

3 - Product Design Studio

September 2017 saw the opening of the new 6th Form Product Design Studio which is situated in the beautifully listed Old Ball Court. Like the other teaching spaces this multifunctional professional space is fully equipped with all the latest technologies and equipment. Designed to take no more than 12 students the brand new space houses a full CNC suite with large 3D router, lathe and milling machine. It also has a Universal 100 watt Laser Cutter, UP Box+ 3D printer and a bank of high specification laptops loaded with the latest 2D and 3D CAD software. In addition, it has all the usual equipment found in a workshop space with two Hegner saws, bandsaw, bench drills, morticer, bobbin and disc sander, table router, wood turning lathe, engineering lathe, spot welder and plethora of hand tools. Students also have a full range of Bosch professional cordless tools at their disposal. New work benches are set up with both practical and theory teaching in mind with ample storage and worktop space. In short it is an outstanding teaching and learning space which our talented students are fully embracing!

- Personal Learning Device (Laptop)

From September 2020 all students have each been provided with personal learning devices with touchscreen functionality, running Windows 10 and the Office 365 suite. For students studying Design and Technology the devices are also installed with the department's 2D and 3D software packages as well as Adobe's Creative Suite.

- Curriculum & Results

At present Design and Technology is delivered across all Key Stage 3 years and is regularly oversubscribed at GCSE with strong numbers continuing at A Level. The department currently follows the Edexcel Pearson Design and Technology course at both GCSE and A Level.

Due to the incredible setting, class sizes are limited to a maximum of 15 students at Key stages 3 and 4 and a maximum of 10 students in each class at A Level. There are currently three classes of 15 students at GCSE and two classes of 8 at A Level. Exam results are consistently strong with significant value added.



A Level Results

Year	% A* - A	% A* - B	% A* - C
2022	77	92	100
2021	25	75	92
2020	29	71	93
2019	7	50	86

GCSE Results

Year	% 9 - 8	% 9 - 7	% 9 - 6	% 9 - 5
2022	48	76	97	100
2021	34	61	72	94
2020	36	61	82	97
2019	26	39	79	92

Contacts

The post holder can expect to have a wide range of contacts with stakeholders both within and beyond the organisation.

The Role

Summary of Responsibilities

- To plan and deliver academically challenging and inspiring lessons
- To assess homework and coursework, set and mark tests and provide appropriate feedback
- To promote co-curricular activities related to the subject
- To liaise with tutors over matters of individual pupil progress and behaviour
- To prepare academic reports, provide subject information to parents, attendance at Parents' Evenings and response to subject-related parental enquiries
- To participate in the system of cover for absent colleagues
- To act in accordance with advice from the SENCO, the Medical team and House staff on the best approach to individual students
- To potentially act as House tutors being part of a team reporting to a Housemaster/Housemistress and making a full contribution to the House and associated events
- To contribute to the extra-curricular programme of the school which may include after school, evenings, and weekends
- To attend the induction programme as required by the Deputy Head
- To participate in the system of appraisal
- To be familiar with Common Room Handbook and school guidance policies
- To ensure that Health and Safety procedures are followed

Please note that this list is not exhaustive and other additional, reasonable tasks falling within the capabilities of the post holder may be required, depending on the needs of the school.

Line Management

The Teacher of Design and Technology has no line management responsibility.

The tasks listed above are not exhaustive. The post holder may be required to carry out other duties reasonably requested including those, which may arise in relation to Prior Park Schools and any of its constituent schools.



Professional Specification and Personal Attributes

Criteria	Essential	Desirable
Knowledge & understanding	<ul style="list-style-type: none"> • Excellent subject knowledge • Up-to-date knowledge of appropriate teaching resources and examination specifications • Clear understanding of the importance of effective safeguarding 	
Experience	<ul style="list-style-type: none"> • Experience of teaching Design and Technology to examination requirements • Experience of intervention processes to raise achievement 	<ul style="list-style-type: none"> • Experience of leading academic extra-curricular activities
Skills	<ul style="list-style-type: none"> • Excellent communication, presentation and influencing skills with the presence to engage and empower staff and pupils • The ability to create a positive and motivating learning experience for pupils • Excellent planning and organisational skills, with the ability to identify, prioritise and respond to issues with flexible and effective solutions • Excellent IT skills to enhance and support Teaching and Learning (to include CAD/CAM) • The ability to prioritise own time, work under pressure and to deadlines • The ability to contribute actively to the department's development 	<ul style="list-style-type: none"> • Specialism in an area of DT
Personal Attributes	<ul style="list-style-type: none"> • Build and maintain effective relationships with staff, students and parents • Holding and promoting a positive attitude • Promoting caring community ethos of the school and its teamwork approach • An inspirational, committed and highly effective classroom practitioner, who is dedicated to achieving the best pupil outcomes • Flexible with a 'can-do' approach 	
Qualifications	<ul style="list-style-type: none"> • Design/Engineering Degree or equivalent. i.e. Design and Technology, Product Design, Industrial Design, Jewellery and Silversmithing, Graphic Design, Design Engineering, Furniture Design, Mechanical Engineering, Electronic Engineering or Aerospace Engineering Degree. • Minimum of 5 GCSEs including English and Maths at Grade C or above or equivalent 	<ul style="list-style-type: none"> • Relevant Post Graduate Degree • Health and Safety Machinery certificates (training is available) • First Aid (training is available)



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Child Protection

Prior Park Educational Trust is committed to safeguarding and promoting the welfare of children. Applicants must be willing to undergo child protection screening appropriate to the post, including checks with past employers and the Disclosure and Barring Service.

Data Protection

In the course of employment at Prior Park Educational Trust, staff may have access to confidential information relating to pupils and their families and are required to exercise due consideration in the way they use such information. Staff should not act in any way which might be prejudicial to the School's interest. Information which may be included in the category covers both the general business of the school and information regarding specific individuals. A strict code of confidentiality must be adhered to at all times. The School is registered under the Data Protection Act 2018 and operates under policies that meet General Data Protection Regulations (GDPR). Staff must not at any time use the personal data held by the school or disclose such data to a third person.

Special Working Conditions

Prior Park Schools operates a policy under which smoking, including e-cigarettes or vaping, is not permitted anywhere on-site.

Schools are physically demanding environments, and the post holder can expect to be involved in activities which may require physical exertion. They will be expected to always observe health and safety regulations and practices.

We offer a supportive working environment, a competitive salary as well as free lunch each day the kitchen is operational. We also offer 33 days holiday (including bank holidays), access to other benefits including free on-site parking, generous fee remission for eligible children, a contributory pension scheme and complimentary gym membership.