
GRADUATE TEACHER OF DESIGN ENGINEERING

Starting September 2024



CHARTERHOUSE

CANDIDATE INFORMATION

Welcome from the Head



Thank you for your interest in this role at Charterhouse.

Charterhouse is an exceptionally rewarding place for our pupils and staff. The developments in our academic and co-curricular provision, boarding and social spaces have facilitated a highly successful move to full coeducation, demonstrating an intentional and strategic drive to deliver a world-class, future-ready education, where every individual is empowered to reach their potential.

Our vision and values place kindness and belonging at the core, and our culture is one of welcome and acceptance. Open our doors and you will find a diverse and enriching range of people, experiences, thoughts and interests that all contribute to our thriving community. We nurture our talent and offer a myriad of opportunities to learn and grow together.

We warmly invite people from all backgrounds to share their passions, skills and ideas and who can help us to continuously lead and inspire the next generation, in an environment where everyone can flourish.

A handwritten signature in black ink, reading 'Alex Peterken'.

Dr Alex Peterken
Head



About Charterhouse

Charterhouse is a beautiful school in a 250-acre campus – a wonderful setting for the whole community to live and work together and a splendid backdrop for teaching and learning.

Founded in 1611, Charterhouse is one of the world's leading coeducational independent schools, welcoming boarders and day pupils at 13+ entry and 16+ entry.

Surrounded by a world of opportunity and connected by a feeling of belonging, each pupil at Charterhouse is educated to embrace life's full potential, and empowered to carry this into their future. A Charterhouse education prepares for both academic success as well as laying the foundations for future professional, social and personal fulfilment.

The School is academically ambitious for every pupil, with all strands of a Charterhouse education leading towards being fully prepared for the real-world of tomorrow and equipped to grasp future opportunity.

The curriculum is all about choice for the individual and is firmly rooted in academic rigour, intellectual curiosity and independent learning. Year 9 pupils follow a real breadth of academic subjects, with the curriculum in Years 10 and 11 culminating in (I)GCSEs.

Pupils benefit from the dual offer available in the Sixth Form: A Levels with an Extended Project Qualification or the breadth of the IB Diploma Programme. A wonderful range of academic electives are on offer, including the Charterhouse Entrepreneurship Diploma (accredited by the Institute of Enterprise and Entrepreneurs) and the Ivy House Leadership Award.

From an outstanding and varied academic education to the raft of co-curricular options – opportunities abound at Charterhouse. With over 80 activities, the co-curriculum is an essential strand of a Charterhouse education, combining opportunities for leadership development, creativity, exercise and team work.

The Boarding House teams are at the heart of supporting each young person on their journey through the School. The Heads of House live in the Houses, and are supported by a team of tutors and pastoral staff – two of whom are also residential. The House Teams are supported by a 24-hour Health Centre and pupils also have access to support through the Wellbeing team, counsellors and chaplaincy.

Shared values are central to life at Charterhouse, enabling each person to be themselves – everything at Charterhouse begins with kindness. We warmly welcome applicants who will share our values and with the enthusiasm and energy to make a significant and lasting contribution to life at the School. Together we can ensure that Charterhouse continues to be a world-class education provider.

PERSEVERANCE CHARTERHOUSE RESPONSIBILITY MORAL COURAGE OPEN-MINDEDNESS KINDNESS

Our Values

At Charterhouse we recognise that we each have a responsibility to reflect upon everything we have been given and strive to make the most of the opportunities available to us in order to live our motto: '*Deo Dante Dedi*' – God having given, I gave.

Everything we do at Charterhouse is centred around living to our core set of values. They help steer how we behave, learn and treat each other. They are embedded in and reflected upon in all aspects of school life. Of these, kindness – to ourselves and to others – is the most important and something we encourage in all pupils from their very first day.

We concentrate on educating the individual, to provide a comfortable and welcoming atmosphere where each child feels valued and can flourish. Every year we welcome children from a diverse range of backgrounds and experiences; this enriches our community and is vital in preparing all our pupils for today's world.

Why Choose Charterhouse

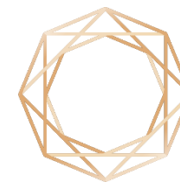
Charterhouse is an exceptional place to work. You will be part of a vibrant and inclusive community with a teaching career in a world-class school at the forefront of educational innovation. Throughout this job description you will see the many reasons to join us. Below are some practical benefits that are offered, complementing a generous remuneration package:

- Competitive contributory occupational pension scheme
- Death in service benefit up to the age of 70 (if not already included in occupational pension scheme)
- Single Membership of a private medical insurance scheme (subject to eligibility)
- Cash Health Plan currently provided by +Medicash
- Payment for eye tests for users of visual display screen equipment, and a contribution currently amounting to £50 to the cost of any corrective eye wear (normally claimable once every 3 years)
- Personal Accident insurance
- Access to an Employee Assistance Programme
- School fee remission (subject to eligibility).
- Membership of the School Sports Centre
- Membership of the School's 9-hole golf course at a reduced subscription
- Participation in a 'Cycle to Work' scheme (subject to eligibility)
- Salary sacrifice on electric vehicles (subject to eligibility)
- Lunches, during your normal working day
- Free on-site parking
- Invitations to school productions and concerts throughout the year
- Use of the School Library to borrow books & other media
- Continuing professional development as part of our talent management programme.



'Dynamic and energetically ambitious'

- CARFAX TOP 120 SCHOOLS IN THE WORLD



PRINCESS ROYAL
TRAINING AWARD
2023

**'Crackling with dynamism, this is a place
where things are always happening.'**

- TATLER SCHOOLS GUIDE 2023



Graduate Teacher of Design Engineering

A graduate teacher of Design Engineering is required for September 2024. The vacancy arises as the department grows at Charterhouse and we are seeking a technology or engineering graduate looking to share their passion for their discipline with young people. We are looking either for an entrant to the profession or a relatively inexperienced teacher wanting to broaden their range in a school that places value on the unique skills acquired in the subject; what is important is your motivation and desire to engage pupils in the development of design thinking and creativity.

The successful applicant will join a team of three specialist teachers, who work in a modern, well-resourced department with the assistance of a technician. We are fortunate to be able to invest in your induction and training. The initial teaching timetable will be only half of a qualified member of staff, and will involve team teaching and observation of experienced colleagues in order to

rapidly develop your confidence and a dynamic teaching style. Our unqualified teaching scale starts at £30,000 with highly-subsidised onsite accommodation available as part of the package, in addition to generous pension provision. Charterhouse will put you through the PGCE teaching qualification in year 2 at our expense, and you will be earning more than £40,000 as a qualified teacher in year 3.

Applicants should be academically well qualified in their field and be able to inspire academically-minded, motivated pupils with an enthusiasm for technological processes, invention and innovation. Additionally, experience in, or a feeling for engineering, electronics or computer science would be a recommendation, as would be an enthusiasm for hands-on design and technological projects.

Design Engineering at Charterhouse

The formal programme of study of Design Engineering is compulsory for pupils in Yr9. We then run the OCR Design Technology GCSE and the OCR Design Engineering A Level, with an aim of introducing OCR Product Design A-level in the near future. The subject is popular both at GCSE and A level, particularly with pupils who have an interest in pursuing degrees in Design or Engineering.

DE is taught in a custom-built Design and Technology Centre. We have a well-equipped workshop which can manipulate nearly every type of material. There are two teaching classrooms, one soon to be a robotics room and also a dedicated computer room. We also have access to pneumatic systems and an automotive workshop. Additionally, there is a departmental office and a large separate prep room + 3D printers, laser cutter and a plasma cutter.

The department coordinates entry to a variety of national competitions. Vex robotics and Greenpower, plus the Arkwright Engineering Scholarship. The Department organises pertinent educational visits, from visiting local recycling centres to McLaren to Bologna. We also run a number of very popular clubs,

including Makerspace and competitive Robotics club. We are also involved in a variety of partnership activities from repair café to robotics with local primary schools. You can see the department's work via X (Twitter) and Instagram @Charterhouse_DE.



Teaching at Charterhouse

At Charterhouse, teaching is defined as two-thirds of the job of teacher. All full-time staff are expected to act as a pastoral tutor and are attached to a boarding house, carrying out one evening duty per week. In addition, all staff contribute to the co-curricular life of the school according to their skills and interests.

Charterhouse operates a teaching timetable across 6 working day, Monday to Friday plus Saturday morning during term time.

Please read more about Charterhouse on the School's website: <https://www.charterhouse.org.uk/about-us/charterhouse>

Applicants wanting to understand more about working at Charterhouse are invited to contact the Head of Design Engineering, Mr Andy Thomson (aft@charterhouse.org.uk) or the Deputy Head Academic, Mr Duncan Byrne (djb@charterhouse.org.uk) to arrange a phone discussion.

Our Teacher of Design Engineering should have great talent and flair and a vision for developing the young people in their charge. They will help create an exciting and adventurous curriculum that will enthuse our students to be creative, with an ability to address the engineering challenges that threaten our world today.

No job description can fully cover all aspects of the role and consequently the responsibilities are likely to evolve and change over time. This description does however give an overall view of the position

Person Specification



Essential professional criteria

Criteria	How will these be tested or verified?
A good honours degree in Technology, or a related subject (eg Engineering)	Original degree certificate(s) Questions about subject specialisation (and course content for more recent graduates) Opportunities at interview to discuss techniques for teaching set topics
Ability to engage young learners in a formal lesson environment. We will consider inexperienced teachers but would expect an unqualified teacher to have some experience with young people	A 40-minute lesson to be taught to a group of Design Engineering students. Opportunity to comment on and grade pupils' written work
Excellent communication skills	Two panel interviews; lesson (as above)
The ability to use ICT fully in the teaching of Design Technology	Observed in the lesson Opportunities to recount experience and expertise at interview
The ability to establish good relations with colleagues and pupils, and to enthuse pupils for technology and engineering	Opportunities at interview to recount experiences where these skills have been demonstrated Questions which referees will be asked as part of the confidential reference request
Awareness and understanding of safeguarding and welfare of children	Questions at interview to test attitudes towards and knowledge of children's safeguarding and welfare Questions which referees will be asked as part of the reference request
Sympathy with and knowledge of fundamental British values	Question at interview to test this
A willingness to be involved in the wider life of the department (eg DE clubs, Automobile Society, visits) and school.	Opportunities at interview to recount experience of running or participating in such activities or to give ideas for these

Application Process



Applications should be made in accordance with the School's application and safer recruitment procedures, via the School's website, selecting the relevant vacancy. The selected vacancy link will take you to our online recruitment system and give you the opportunity to register and complete an application form. You will also have the opportunity to upload your latest CV.

Early applications are warmly encouraged, and a bespoke invitation to interview may be offered in advance of the closing date.

All successful job applicants will be required to undertake a Criminal Record check and to undergo child protection screening.

Visit our website – Employment Opportunities

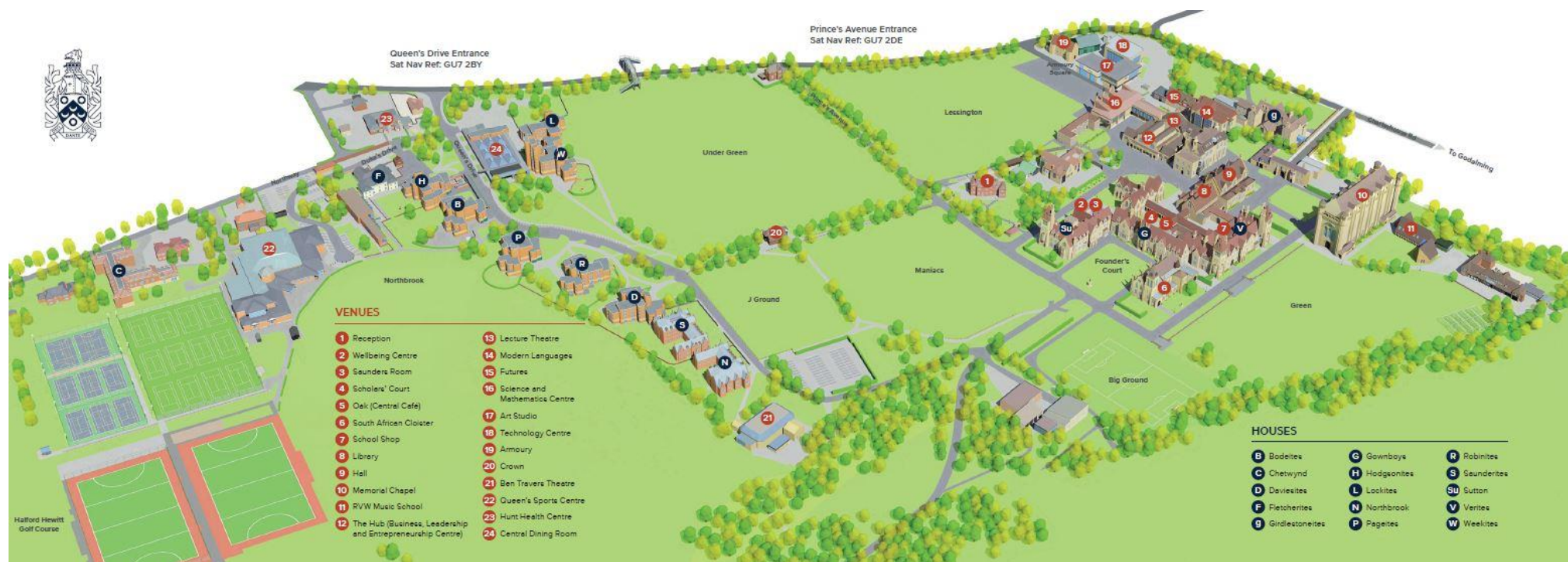
We are creating an inclusive culture where all forms of diversity are seen and valued – for our pupils, for our staff. A culture that supports the enduring Charterhouse education provided to pupils in our global and multi-cultural environment. Join us now to be a part of it.

If candidates would like an informal conversation before applying, Andy Thomson (Head of Design Engineering) would be very happy to talk with you. Please contact him by email (aft@charterhouse.org.uk) to arrange a mutually convenient time.



Closing date for applications is 12 noon on Friday 12 April 2024.
Interviews will be held shortly after the closing date.

The Charterhouse Campus



Charterhouse
Godalming Surrey GU7 2DX
+44 (0)1483 291500
hr@charterhouse.org.uk

charterhouse.org.uk

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