

Engineer in Residence

Fixed Term from September 2024 to July 2025



Closing date: Tuesday 23rd April 2024 at 9am

www.bancrofts.org | hr@bancrofts.org



Being Bancroft's

Located on the border between North-East London and Essex and backing on to Epping Forest, Bancroft's is a co-educational independent day school for around 1200 pupils from 7 to 18.

Our pupils achieve outstanding academic outcomes. In 2023, 68% of our students achieved A*-A at A Level and 74% of all entries were awarded the top grades of 9 or 8 at GCSE.

And yet, we strive to achieve so much more than just results. 'Being Bancroft's' is the name which we give to our holistic approach to developing our pupils. This is a rounded educational framework running through the school which guides pupils to take full advantage of the huge range of different opportunities on offer at the school; whether immersed in academic research, being out on the sports fields, taking part in charitable activities, acting on the stage, playing music or attending some of our numerous clubs and societies, we want our pupils to challenge themselves and learn by taking part wholeheartedly in school life. All teachers are expected to contribute to the co-curricular life of the school beyond their subject specialism.

Bancroft's is a warm, forward-looking, modern school; a centre of excellence for the twenty-first century. We have a very diverse intake of pupils, valuing inclusivity of pupils and staff of different ethnicities, religions, sexualities, genders, learning needs and strengths. We value inclusion for all it can bring to each of us at Bancroft's as well as the school as a whole.

Professional development and training is a fundamental part of working at Bancroft's. Our staff are supported and encouraged to continually reflect on their practice; together we want to ensure that each member of staff feels that they are being developed and able to help provide the very best educational and transformative experience for all our pupils.



The Bancroft's Aim

We aim to provide a transformative experience for every child.

The School's Values

Our education is based on six core values: Curiosity, Kindness, Integrity, Courage, Balance and Excellence. We think these values are essential to the wellbeing of every child.



Curiosity

We want our pupils to take delight in the possibilities that the world has to offer and to develop an abiding curiosity about the world; to explore their imaginative and creative potential and to take pleasure in self-expression.



Kindness

We want Bancroft's pupils to be kind, to have integrity and the courage to pursue and protect what is good; to make wise decisions, based on compassion and empathy.



Integrity

We want our pupils to learn to understand themselves and others and develop a clear moral grounding for their lives.



Courage

We want our pupils to show courage and a spirit of adventure in all aspects of their learning; to confront challenges and try to overcome them.



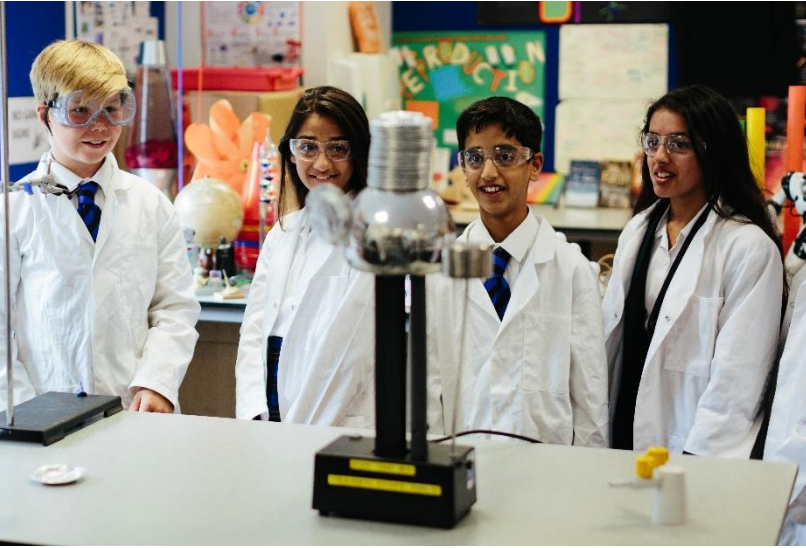
Balance

We want our pupils to learn how to live balanced, healthy, productive and well-regulated lives and to learn to understand the different aspects that combine to create a secure framework for flourishing.



Excellence

We want our pupils to aspire to be the best they might be and to make the most of their talents and abilities; we want our pupils to form realistic and ambitious ideals for the future.



The Role

Bancroft's is a dynamic and forward-thinking educational institution committed to fostering innovation, curiosity, and a passion for learning. We are dedicated to providing a comprehensive education that prepares students for the challenges of the future. As part of our commitment to STEM (Science, Technology, Engineering, and Mathematics) education, we are seeking a highly motivated and enthusiastic Engineer in Residence to inspire and engage secondary school pupils in the fields of Physics, Design and Technology, and Computer Science. This role will provide the opportunity for the successful candidate to teach across the STEM disciplines, whilst playing a pivotal role in promoting a love for engineering among secondary school students through co-curricular clubs. The successful candidate will bring a wealth of practical engineering experience, creativity, and a passion for nurturing the next generation of engineers.

Key Responsibilities

Classroom Engagement:

- Collaborate with teachers to integrate real-world engineering principles into the curriculum.
- Conduct engaging and interactive sessions to demonstrate the practical applications of physics, engineering, and computer science concepts.
- Teaching responsibilities

Clubs and Extracurricular Activities:

- Establish and lead extracurricular clubs focusing on engineering, robotics, coding, and other related disciplines.
- Organise and supervise student participation in engineering competitions and projects.

Mentorship and Guidance:

- Provide mentorship to students interested in pursuing engineering-related careers.
- Offer guidance on academic and career paths within the fields of Physics, Design and Technology, and Computer Science.



Professional Development

- Stay abreast of the latest developments in engineering and education.
- Attend workshops and conferences to enhance personal and professional skills.

Collaboration:

- Work closely with the Physics, Design and Technology, and Computer Science departments to align teaching objectives and activities with the overall curriculum.
- Attend departmental meetings
- Cover for absent colleagues as required
- Liaise effectively with parents and carers

General Responsibilities:

- Carrying out school policy, including the school safety policy, in the context of the department.
- Supporting the use of ICT within the Department.
- Presenting the Department at Open Days etc. and in promotional material.
- Ensuring that the facilities used by the department, including equipment and teaching areas, are maintained in an appropriate condition.
- Provide lesson cover support across the School as required, to assist with duties and supervision of pupils as required.



Person Specification

	Essential	Desirable
Education		Degree in a technical discipline
Experience	An interest in teaching	This position is suitable for new graduates and to those with limited teaching experience in secondary schools Industry experience
Skills	Excellent communication skills with all age groups and stakeholders in the Bancroft's community Organised and efficient at administrative tasks with a good range of ICT skills	
Personal Qualities	Sufficiently mature and confident to act as a role model to young people Enthusiastic, positive and self-motivated with a desire to inspire and pass on his/her skills to young people A genuine interest Engineering Prepared to familiarise him/herself with school policies and formal procedures which will include the safeguarding of children, First Aid, Health and Safety and other relevant legislative requirements	



Additional Work Information

This job description reflects the major aspects of the role. The successful candidate may be expected to assume some additional responsibilities as reasonably requested by the Head and to demonstrate a commitment to improving and developing the organisation's processes and facilities.

The organisation reserves the right to alter the content of this job description after consultation to reflect changes to the job or services provided, without altering the general character or level of responsibility.

In the event of a major incident or disaster, you may be required to provide assistance, in whatever capacity necessary and participate in any training to ensure the School is fully prepared for such events.

Working at Bancroft's

An attractive salary package is offered, according to experience and expertise.

Bancroft's offers a generous benefits package to all staff, including:

- Competitive salaries
- Commitment to supporting ongoing professional development
- Generous holiday allowance
- Use of school gym. Yoga, swimming and Pilates sessions for staff
- Friendly and welcoming common room, which organises regular social events
- Access to school counsellors and the support of a staff wellbeing team
- Optional subsidised private health care
- Complimentary lunches
- Accommodation may be available if required

There is generous CPD support and staff are encouraged to seek opportunities to develop their skills and expertise either to further their career or to support enjoyment of their role. We also have a staff group working on Diversity and Inclusion and the school is a founding member of the Schools' Inclusion Alliance.



How to Apply

An application form is available to download from the School website or by emailing hr@bancrofts.org.

Bancroft's School is an Equal Opportunities employer and is committed to safeguarding and promoting the welfare of children, young people and expects all staff, contractors, Governors and volunteers to share this commitment. Successful candidates will be required to undergo child protection screening appropriate to the post, including checks with past employers and the Disclosure and Barring Service.

In line with KCSIE, Bancroft's will carry out online searches on shortlisted candidates as part of the process of assessing suitability.

