



A STEM-Specialist School

FOR BOYS AND GIRLS AGED 11-19



Welcome to Fulham Cross Academy

Welcome to the new Fulham Cross Academy – a STEM-specialist school for boys and girls aged 11-19. This is an exciting time to join a school that is committed to STEM learning and to equipping our students with the knowledge and skills that they will need to thrive in an ever-increasingly scientific and technological society.

We aim to develop our students by investing in the best teachers, the best curriculum and the best facilities – ensuring every single child is future-ready. We encourage our students to be innovative and to find solutions to real life challenges.

Our school is driven by a passion to see the young people who walk through our doors succeed. The care, well-being and achievement of all our students is paramount to every member of staff and underpins everything that we do on a day-to-day basis. Fulham Cross Academy and Sixth Form provides a safe, caring and innovating environment in which we ensure that all students have opportunities that are challenging and rewarding both within the classroom and the wider world – making them ready to be citizens of our global community.

At Fulham Cross Academy, we also aim to instil compassion, empathy and respect in our students, whilst also fostering a love for learning. When they leave us, we want them to be confident and creative young men and women with an unshakeable sense of self-worth who have fully developed their talents and abilities.



Becoming a member of our “Fulham Cross family” is the start of an exciting journey for us all. The relationship between our students, their families and our staff is at the heart of our new school and is crucial to this wonderful venture. I very much look forward to building new relationships with you all as we move into the future.

Sally Brooks

Executive Principal,
Fulham Cross Academy



Science, Technology, Engineering and Maths (STEM)

STEM is challenge based, hands-on, practical education which aims to foster inquisitive minds, logical reasoning and collaboration skills.

The STEM ethos at Fulham Cross Academy is focused on a **broad and balanced curriculum** that challenges all students based on their individual aspirations and interests. They are also taught creative solutions to modern day problems – whilst learning a lot about themselves in the process.

We take a student-led approach to solving complex real-world problems using STEM subjects. It is not, as often believed, about delivering each subject as separate entities. We ask our students to develop a culture of innovation and risk-taking which we can nurture and help them utilise this precious skill once they leave us.

As a school, we play a pivotal role in meeting the needs of scientific, technological and manufacturing employers in our country and beyond, closing the STEM skills gap.



Why STEM?

STEM education helps to bridge the ethnic and gender gaps that are found in Maths and Science fields. In order to compete in a global economy, STEM education and careers are increasingly becoming a national priority.

Research by STEM Learning found that 88% of STEM businesses struggle to recruit – with a shortfall of 173,000 skilled workers nationally. With the growth of STEM businesses predicted to rise dramatically, the shortfall is expected to reach almost 500,000 by 2030.

At Fulham Cross Academy, we are cultivating change that enables the next generation to succeed in life after school. Providing students with these core STEM skills will allow them to compete on a national and global scale.

What will STEM look like at Fulham Cross Academy?

Our STEM programme is rolled out to all students, within and beyond the classroom. We believe this approach inspires our students, both by working on the foundations of STEM through examining the curriculum to offer exciting and inspiring co-curricular projects.

Our STEM afternoons take place on Mondays and all students participate in activities based on their groups.

Every four weeks, these 'on the pulse' workshops rotate so that students have an opportunity to access the wide range of innovative STEM activities on offer. Below is an example of one of our 4-week STEM programmes:

Each group will be on rotation on a 4-week rolling programme						
Einstein	Darwin	Van Gogh	Brunel	Mozart	Turing	Columbus
Maths – Shapes for Architecture!	Science – Mini Golf Challenge	Art – Designing 3D Structures	Engineering – Electrical Currents	Music – Making Movies	Computer Science – Algorithms for Gaming	Geography – Data Collection Methods



Enrichment

Fulham Cross Academy offers a wide range of activities which provide opportunities to enrich the formal curriculum and support the underlying values and attitudes that the school promotes.

We adopt a three-tiered approach to enrichment – Physical Literacy, Free Choice, Beyond the School Day. All students have to choose at least one Physical Literacy activity per week as research shows the strong correlation between physical exercise and success within the classroom. Alongside a physical activity, students have the opportunity to pick their Free Choice – this can be anything from Public Speaking or Journalism to Dungeons and Dragons or Craft Club.

Our final tier is Beyond the School – we are proud of the large number of students who complete the Duke of Edinburgh challenges at Bronze, Silver and Gold levels.

Our robotics teams have competed in national competitions and our GCSE Art students work alongside the V&A Museum to compete in the National Saturday Club competition every year.

Additionally, every subject offers workshops and residencies or day trips throughout the year. Our staff give freely of their time, accompanying students on trips and offering additional support sessions before, during and after the school day. Students who take advantage of these opportunities benefit hugely and there is a significant impact on not just their academic progress, but on their confidence and social interactions.



Whatever your child's interests or aptitudes, there is something at Fulham Cross Academy that will spark their interest!



STEM Enrichment

Programmes outside of lessons can help children to see that STEM is more than a class to finish. Having activities that show real-life application of STEM can pull together the ideas presented in school and help to show how they benefit our society and even our world as a whole.

Children can see that what they are learning now is pertinent to their future and the future of the whole world, creating an interest often lacking when learning new concepts that do not seem to carry real-world application. Below is just an example of our current STEM initiatives that are on offer to all our students:

Imperial Maker Challenge Programme

Our students have amazing opportunities and work on a variety of programmes at the Maker Space programme in White City. The students have access to cutting edge technologies and gain a range of skills from practical, hands-on use of equipment to a myriad of soft skills including product development, team-building, presenting and communicating.

Imperial Schools Challenge Programme

This programme is aimed at helping Year 9 students to make informed choices about educational subject options during a crucial time in their lives and for them to make a successful transition from education to employment.

Imperial STEM Potential Programme

This programme supports students in their KS4 and KS5 studies via lectures,



subject-specific workshops and the potential of a non-residential Summer school for Year 10 students.

Brunel University Robocoding

Year 7 students have the opportunity to be taught robo-code from Brunel University Ambassadors. The students use their knowledge and skills to design and create robots and codes to programme them.

Robot Challenge

Our students compete in an annual national competition in Robotics with TechFirst UK.

Race to the Line Rocket Car Challenge

All Year 7 students participate in our Race to the Line Rocket Car Challenge.

INNOVATE Days

Each term, every student in every year group will enjoy an INNOVATE Day where they participate in a specially designed programme of learning experiences that extend beyond the classroom. These days can either have programmes that are based in school with an external agent, such as HS2, or take place outside school at institutions such as Brunel University.

STEM at Sandhurst

Students in the Autumn term have the opportunity to attend Sandhurst's STEM Fair, where they can explore a wide range of both military and civilian careers based in STEM. Companies such as BT,

Amazon, Tech Modal, Bank of America and lots more give valuable careers advice to our students who have an interest in a future in STEM.

Chelsea Football Club Tech Slam

The programme, designed for all students across the Trust, includes dialogue with industry professional and athletes and immersive exhibits that explore how tech influences sports through experiences in Virtual Reality, computer and material Sciences.

Latymer Upper STEM Programme

In the Spring term, students have the opportunity to attend Latymer Upper School's four-week STEM programme on a Saturday. The course offers specialist coaching for students with an aptitude for STEM.



Cutting-Edge Facilities

Fulham Cross Academy is based at Kingwood Road in Fulham and we are proud to boast not only new state-of-the-art facilities but also Grade II listed buildings.

In support of the school's STEM specialism, our purpose-built Science block, new to 2020, has been designed to support the strong Science curriculum and outreach programme that the school offers. The well-equipped space boasts state-of-the-art laboratories and three prep rooms – all designed for interactive lessons, experiments and innovation.

Our Technology and Engineering Suite includes workshop and technology space for students fitted with some of the best equipment and CAD machines in the borough.

Our Grade II listed buildings, which are undergoing a full renovation in 2020, create a majestic backdrop in our large playground. We are extremely passionate about our two main buildings built in 1898. Our school provides a wonderful contrast between the old and the new.

Sports and outdoor activities are an integral part of life at Fulham Cross Academy and we are fortunate to have lots of outdoor space. We are pleased to say that, on-site, we have a double-height gymnasium, two basketball/netball courts, an astro-turf, and fitness suite which every student can take advantage of.



Pastoral

We pride ourselves on providing outstanding pastoral support to ensure that all students are supported in school and feel happy, safe and secure in the knowledge that there is always someone they can go to if there is a problem.

At the heart of our success are the close knit relationships that bring everyone together as a community. To create this sense of belonging and to help students feel part of this community, they are placed in a House. We have four Houses within the school, which are:

- Einstein
- Da Vinci
- Jemison
- Hamilton

These Houses, which were picked by students and relate to diverse iconic STEM figures, encourage individuals to build support networks with older and younger students. They are also guided by members of staff who are connected to a particular House to take responsibility for their own learning and their place within the school, the school environment and the wider community within the school. This is essential as they prepare to become responsible, active citizens who contribute positively to society.

Additionally, there are many opportunities for students to develop their skills whilst at Fulham Cross Academy. This may be through joining clubs and teams, but they can also apply to take part in a variety of voluntary programmes, such as Student Ambassadors, Peer Mentors, Mental Health Leads and EAL (English as an additional language) Mentor. Students in Year 7-11 are also invited to apply for election to the Student Council, where they will represent their year group at meetings with the school's senior leadership team.





Careers

In the years ahead, the demand for STEM-related jobs is expected to grow at a rate of 17%, as opposed to non-STEM jobs growing at a rate of 9.8%.

To be competitive in the global economy and to pursue an aggressive yet sustainable development, Fulham Cross Academy prepares the younger generation to embrace creativity, invention and innovation. STEM is the engine that can power this growth.

STEM education begins in early childhood when children are curious and creative and continue through their education. Effective teaching at all levels utilises hands-on, minds-on inquiry into the natural world. This leads to holistic development, creating world citizens and shaping the leaders of the future.

Within our school, we have a dedicated primary laboratory and Primary Outreach Lead to encourage the passion for STEM subjects from a young age. We then build on this from Year 7 through to Year 13, helping them choose appropriate STEM pathways, thus preparing them for the demands of the 21st Century working world.

We allow our students to be involved in a learning process that excites, energises, engages and enriches them to a wide variety of skills and concepts, they will discover a path that will enable them to have a more productive education.



Applying to Fulham Cross Academy

If you are interested in finding out more, please come to one of our Open Events or call the school office to make an appointment to visit.

More details on applying to Fulham Cross Academy can be found at www.fulhamcrossacademy.co.uk.

Fulham Cross Academy is a community school which accepts boys and girls aged 11-19 from the local area.

Applications are made through the Pan London system and more information about the admissions policy is available via Hammersmith and Fulham School Admissions Team (9am – 5pm) on

020 7745 6432/6433/6434,

or email your enquiry to:

school.admissions@lbhf.gov.uk

Students are required to be on time and to attend school everyday, unless they are sick. Permission is not granted for holidays during term time. Wearing the Fulham Cross Academy uniform is compulsory and all students should take pride in their appearance at all times.

APPLY

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