



# Prospectus



Ada Lovelace  
C of E  
High School





## Our 10:10 ethic

### A new beginning...

Welcome to Ada Lovelace CofE High School - a school which prides itself on personal development as well as academic aspiration. Along with our fellow schools in the Twyford Trust, we offer challenging programmes which are designed to support students to capitalise on their God-given gifts as well as actively developing skills which make them better learners and allow them to Make the Leap. Our school is committed to developing in students a sense of positive agency and moral responsibility.

This makes the Ada Lovelace community a focussed and highly disciplined environment, where students are confident in their habits of individual self-reflection and self-improvement as well as having a commitment to the wellbeing of the community. Our values are captured in the statement we refer to as the 10:10 ethic (see above), which we use every day.



## Welcome to the Twyford CofE Academies Trust family...

Ada Lovelace opened in September 2018 after a concerted campaign by local parents. Designed to serve communities in North Ealing, the school draws on the successes of the existing Trust schools – inheriting strengths in Science, Languages and Music from both Twyford and William Perkin as well as a zeal for problem-solving from Ealing Fields.

It does however, have its own distinct character – with a specialist focus on Computing and Digital Technologies. This is why we chose Ada Lovelace as a figurehead.

Augusta Ada King, Countess Lovelace, the daughter of Lord and Lady Byron spent her formative years in Ealing. She is credited with making the leap of imagination

which stimulated the birth of computer programming.

The school takes pride in developing both technical expertise and creative applications and encouraging students to Make the Leap, as Ada herself did.

In September 2020 the community moved from their temporary home at William Perkin and took possession of its fabulous new building in North Ealing. Ada Lovelace CofE High School now has 200 places available for Year 7 intake each year.

We are proud to have Year 12 and 13 students studying T-Level courses in Digital Software Development, Laboratory Science and Accounting completing work placements with companies such

as IBM, Amazon and the NHS.

We look forward to welcoming the new intake as they join this positive and aspirational community.

**Dame Alice Hudson**  
CEO





“Leaders have designed a unique curriculum that is broad, balanced and ambitious. Pupils study a curriculum that exceeds national curriculum expectations.

Pupils are attentive and hardworking in class. Teachers have established clear routines so that no time is wasted.”

OFSTED 2023

THE MORE I STUDY TO  
FEEL MY GENIUS FOR





## A Special Identity

It has been a great privilege to establish Ada Lovelace CofE High School as a centre of excellence for the local community, a distinctly disciplined school where people matter.

Our mission is to create a high achieving, intellectually vigorous community in which all of our students give of their best at all times and work purposefully and joyfully towards their goal.

Ada Lovelace encourages a spirit of courageous endeavour reflected in its motto 'Make the Leap'. Students are encouraged not to be afraid to take calculated risks in their learning, as the most profound progress often requires us to work outside our comfort zones. We are very explicit about the leadership skills which we expect students to develop in order to position themselves to live fulfilled and positive lives.

At Ada Lovelace we aim to foster a culture where we encourage our students to experiment and

go beyond their comfort zone in the spirit of growth. We expect them to embrace failures as the preparation for future successes. An essential element of this process is a commitment to feedback. We see all feedback as a gift and encourage our students, staff and the wider school community to embrace it as a powerful strategy for learning and improvement.

The recent Ofsted inspection where we were graded to be Outstanding highlighted just how much progress we have made as a community.



Our new building makes a very positive statement about the ambition of the school and its

particular character as being outward looking, inspired by innovation.

We are proud of our specialism in Digital Technology and we are working with industry partners to deliver our digital ambitions.

As part of the top performing Trust in the UK we are thrilled to offer our students priority access to the wider range of A-levels offered at William Perkin and Twyford as well as the new T level qualifications offered here.

**Keir Smith**

**Headteacher**







### A stretch curriculum

We have designed the curriculum at Ada Lovelace CofE High School to be extremely challenging in order to stretch all of our students. Ada Lovelace places a high premium on academic success and takes an intelligent approach to achievement. Core subjects (English, Maths, Chemistry, Physics, Biology, German, History, Geography and RE) are all taught formally as separate subject specialisms. In the upper school, we expect our most able students to take advanced courses (Separate Sciences and Double Languages). Music is the school's second specialism and, together with our Digital specialism, will encourage students to 'Make the leap'...

### Support and Challenge

In core subjects, students are taught in sets by ability, in order to ensure that students have teaching which is targeted at the appropriate level to achieve the greatest progress.

Students who start with low reading ages will automatically be placed in support groups to ensure they rapidly achieve the levels of literacy which will enable them to make strong progress in other subjects. Additional numeracy programmes are also offered for students who start secondary school with below-expected levels of attainment. This enables all students to embrace the school ethic that, whatever your starting point, it is a positive thing to recognise areas of weakness and to take a pride in bringing about improvement.

### A community which cares

The pastoral system at Ada Lovelace places students in form groups which will be their home community. Each tutor group has a form tutor who will stay with them all the way through the school. They will also have a Head of Year who will guide the year group through the new challenges of each school year and whose job it is to ensure that every student does well.

Our pastoral teams pride themselves on knowing their students well as individuals and caring for their progress. Students are also strongly encouraged to take responsibility for each other.

Our house system ensures that students work together to build a community which cares. Each house has its own charity and students take the lead in competitions and activities which take place. All students know that they must be prepared to play the role of the Good Samaritan when required.

### Wider links

Ada Lovelace CofE High School prides itself in being a school with strong community links. We have already developed partnerships with Ealing Cricket Club and Ealing Trailfinders and Middlesex FA and Middlesex CCC. Excitingly, we have close links with the Ealing Junior Music School and Ealing Youth Orchestra.

Facilities have been designed for community use and we have a very active PTA who are looking forward



to embracing their potential with various activities throughout the year. Our school has its own performance and sports halls and outdoor pitches as well as state of the art accommodation for Computing, Digital Art and Music Technology.

We look forward to becoming a hub for the wider local community the school was set up to serve.

## Admissions

Ada Lovelace CofE High School was founded on the desire for a school to serve a particular local community. The admissions arrangements are therefore based on geographic criteria with the admissions distance being measured from the school site.

10% of the places available at the school are for students with specific aptitude in Music. The aptitude test is the same as the one held for Twyford CofE High School and Ealing Fields CofE High School and it is not necessary for students applying for music scholar places at more than one school to take multiple tests.





Our specialism in digital technologies has made Ada Lovelace CofE High School the curriculum lead in this area for the Twyford Trust. In partnership with IBM, Ada Lovelace has implemented a self-directed study programme and Year 7-11 computer programming for all its students. A programme that has now been shared across the Trust.

Ada Lovelace CofE High School has adopted the same distinctive characteristics as other schools within the Twyford CofE Academies Trust - the highest achieving multi-academy Trust in the country. In particular, the extremely rigorous curriculum and assessment structure has been copied as this has proved fundamental in achieving exceptional academic standards.

The school day ensures that students will have a chance to cover their principal subjects of English, Maths, Science, Humanities and Languages each morning. The daily lessons in these subjects means that the progress of the students is exceptional as there is a continuous flow to the learning. The curriculum is a demanding grammar school

style one – with all students studying German in Year 7 with the potential of a second language in Year 8. RE is compulsory as well as History and Geography.

Students are set 'lesson prep' in every lesson to ensure that they are well positioned for the next day's learning. The school places a strong emphasis on reflective, independent learning from the start of Year 7 as this establishes a very important habit for future years.

Students will also become confident of developing transferable skills which the Trust defines as the Trust Learning Disciplines. These move from confidence in basics such as writing, reading and memorising to then be challenged in higher order skills such as problem solving, computational thinking and forming coherent arguments. There is an important focus placed on the development of oracy.

At Ada Lovelace CofE High School students also study the creative and applied subjects such as Sports, Art & Design, Creative Technologies and Drama. These lessons are

longer sessions of learning, allowing students to explore at greater depth and undertake project-based learning or simply play a proper sports fixture.

A specialism across all the Trust schools is Music and within the creative and applied curriculum all students are offered the chance to learn to play a musical instrument and to develop their musical awareness through singing.

There are also a wide range of extra-curricular music ensembles and groups which Ada Lovelace CofE High School students are invited to join as well as teams and squads which practice after school in the very well-developed sports facilities.

One of the subjects which all students study up to Year 9 and find particularly stimulating is Computer Science, which allows students to explore all concepts and ideas which will help them to pursue the subject to Key Stage 4 and beyond. It was so exciting to see this provision identified by Ofsted as a distinctive part of our curriculum offer.



# Development of the Whole Person

We believe passionately in the personal and spiritual development of our students. Our 10:10 ethic engenders a habit of reflectiveness as well as a commitment to self-improvement.

Students are encouraged to take responsibility for the things which they may get wrong or do less well – both in class and in their relationships with others. All teachers expect students to be able to review their own work critically in order to identify areas for improvement.

Ada Lovelace CofE High School has a strong aspirational culture which emphasises the importance of engaging positively with a whole heart. Every day students take part in a pastoral programme with their tutor during which they use Bible stories as a stimulus to discuss personal and moral issues, becoming part of a community that works hard to be mutually responsible and self-supporting.

Ada Lovelace students will be conscious of gaining positive conduct points when their behaviour contributes well to the community as well as negative ones if they were

to undermine the wellbeing of the community.

Undoubtedly this makes Ada a strict school – but also one which cultivates self-discipline and mutual responsibility.

A concrete example of this is the house system which unites younger students with older ones. House events include Music and sports competitions, fundraising events and a Trust Sports day.

Spiritual development is accepted as a central element of the school's pastoral programme. Students are trained to practice calmness and self-control through a disciplined approach to posture, breathing and silence.

Our assemblies are always framed by Christian prayer and readings and contain content which is designed to stimulate students from all world faiths or none. We welcome all families who are drawn to the Trust's distinctive ethos and values.

In this sense, Ada Lovelace CofE High School is a very inclusive community. Its practice for whole school worship, including school communions has

been developed in a culturally mixed environment, with a clear intention to offer Confidently Christian worship, whilst at the same time, within a clear spiritual and moral framework providing space for all.

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**“The ambitious, engaging curriculum, including the pastoral programme and wider learning provision, is carefully planned to meet students’ needs. Consequently, it offers a rich learning experience that is shaped by the aspirational vision.”**

**“A clear and compelling culture of inclusivity means students and adults feel a sense of welcome and belonging.”**

**SIAMS 2025**







'I am so thrilled that we selected Ada Lovelace as the school for my child. The commitment to academic achievement is palpable, particularly in the STEM subjects. The science and maths curriculum is incredibly stretching and has prepared my daughter wonderfully for future challenges in these subjects.'

Parent of Year 11 student



# The story behind our marque

## Mitre

Bishop's mitre represents the Twyford CofE Academies Trust connection with the London Diocesan Board for Schools. Ada Lovelace CofE High School is part of a wider family of schools which gives it a greater pool of experience and support from which it can draw.

## 10:10 Ethic

X:X in Roman Numerals represents our ethic of life lived to the full. It comes from John 10v10; 'I have come that you might have life, and have it to the full'.



## Crown

The crown represents our geographic connection with the historic county of Middlesex. We are very proud to be a local school for local people.

## Analytical Engine

Ada Lovelace made the leap that recognised the world's first computer could be coded to do all kinds of things, that leap was the start of all computer programming that continues today – it is called 'Lovelace's Leap'.





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Ada Lovelace CofE High School  
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