



TAKING LEARNING TO
A WHOLE NEW LEVEL

The background of the image is a cosmic scene. The upper right portion shows a dark blue sky filled with numerous small, bright white stars. The rest of the image is dominated by a large, vibrant red nebula with intricate, swirling patterns and bright spots of light, suggesting a star-forming region or a distant galaxy.

FROM
WORKSTATION...



...TO SPACE STATION

Taking learning to a whole new level
www.ikbacademy.org.uk

- Science & Medicine
- Technology
- Engineering
- Maths
- Architecture & the Built Environment



WELCOME

IKB is an ambitious and successful sixth form. Students are encouraged and supported to achieve and to enjoy learning in a safe and caring environment.

We keep our sixth form small deliberately so that students get the individual attention they need to succeed and are never lost in the mass of a big institution.

At IKB, professional relationships can really make a difference, to nurture as well as challenge.

We value the contributions of all students and seek to create an atmosphere of trust and positivity that we can all enjoy and where we can achieve great things together.

- Our vision for IKB is a sixth form where the foundations of:
Exceptional teaching and guidance, excellent facilities and an inspiring and motivating curriculum
- Develop within students a:
Love of Science, Technology, Engineering and Maths, a love of learning, respect, kindness and a sense of responsibility
- Resulting in:
Resilient and confident young adults with exceptional qualifications, unrivalled experiences and skills



WELCOME

We are a school with a clear focus on the Science, Technology, Engineering and Maths (STEM) subjects, but we value all areas of learning and our wide curriculum also includes other subjects such as the humanities, languages and the arts. Our unrelenting drive for high standards is reflected in our strong examination results that see our students applying for Russell Group and Oxbridge universities or degree apprenticeships. We attribute this success to our focus on the quality of teaching, by highly talented and dedicated subject specialists and our strong relationships with students.

Our curriculum pathways include access to a full programme of high quality A level and Level 3 vocational and applied qualifications. Individual courses of study can be tailored by drawing upon these qualifications to suit individual needs and aspirations.

I look forward to welcoming you to IKB.

Mr Peter Headeach
Headteacher, IKB Academy



WHAT DOES IKB OFFER?

We recognise that sixth form students need more than a “one size fits all” education to compete and succeed in today’s world. We combine expert staff, outstanding facilities, industry connections and student support to drive innovation in education.

In doing so we offer students more and in turn students from IKB offer the national and global economy more. On graduating from IKB students have gained the high quality qualifications, skills and experiences that mean they are highly sought after for the most competitive places at university, higher and degree apprenticeships and jobs in sectors that currently show local and national skills shortages.

We also recognise that the transition from Year 11 to sixth form is the most challenging a student will face. At IKB a full programme of study skills and training is provided to all students in the first term. Much more than the one day or at best one week induction given in other colleges or sixth forms. Our programme sets students up for successful life long learning.

As part of the Futura Learning Partnership and having our campus located on the Wellsway site means we can offer students a full range of A level and BTEC qualifications.



AS AN IKB SIXTH FORM STUDENT YOU GET...

Fantastic qualifications, taught by passionate teachers in excellent facilities

Full study programmes designed to fulfil your future aspirations

Independent learning experiences with support and skills delivered through IKB mindset programme

The **opportunity to experience specialist work placements** that will support your applications into competitive degree courses and apprenticeships

Membership of a small tutor group; weekly meeting with tutor for individual support and guidance

To be part of a small unique sixth form where you are known understood, and encouraged to excel

Recognised as young adults and given the freedom to manage your own free time, wear your own clothes, build mature relationships with teachers and adults within the school

“Taking learning to a whole new level”

WHY IKB?

“The staff are truly committed to delivering the best education possible and are always on hand to help”

Curtis, Year 12

A high level STEM career: **mechanical engineer**

- Mechanical engineers undertake research, design, manufacture and management/maintenance of mechanical systems, including engines, machinery and vehicles
- They develop solutions to practical problems to an agreed cost
- Median pay for this job is £40K (UK median £22K)
- It is one of the worst affected jobs in terms of skills shortage
 - At IKB study A level Maths, A level Physics and Further Maths or Core Maths and double Engineering to enter this profession

Scientific knowledge is our speciality

20% of people in the UK workforce need scientific knowledge and training to do their current jobs – Royal Society

National shortage

Engineering companies are projected to need 265,000 people each year with Engineering skills each year until 2024

Our results speak for themselves

- 100% pass rate in all A level Science subjects
- 79% of our students gained at least one A* or A equivalent

Year 12 parent feedback

“Thank you for investing in my son in the last year and for doing everything you could to support him. I am very grateful and have been really impressed by the staff’s commitment...”



More women needed in STEM careers

Still only 22% of the STEM workforce are women – the nation needs more women working in STEM careers

Impressive results

Our students achieved a 100% pass rate in Level 3 BTEC Engineering

Earn more with a STEM qualification

Those with STEM A levels earn 8.5% more than similarly qualified workers without STEM A levels (Institute for Fiscal Studies)

Fantastic achievement

IKB students achieved a 100% pass rate in A level Product Design

Student destinations

The majority of our students successfully secure places at their first choice university or apprenticeship



“I was attracted by the level of passion shown by the teachers”

Hugo, Year 12

“IKB is important to me to allow me to go to my dream university”

Bridie, Year 12

There are an increasing number of STEM apprenticeships

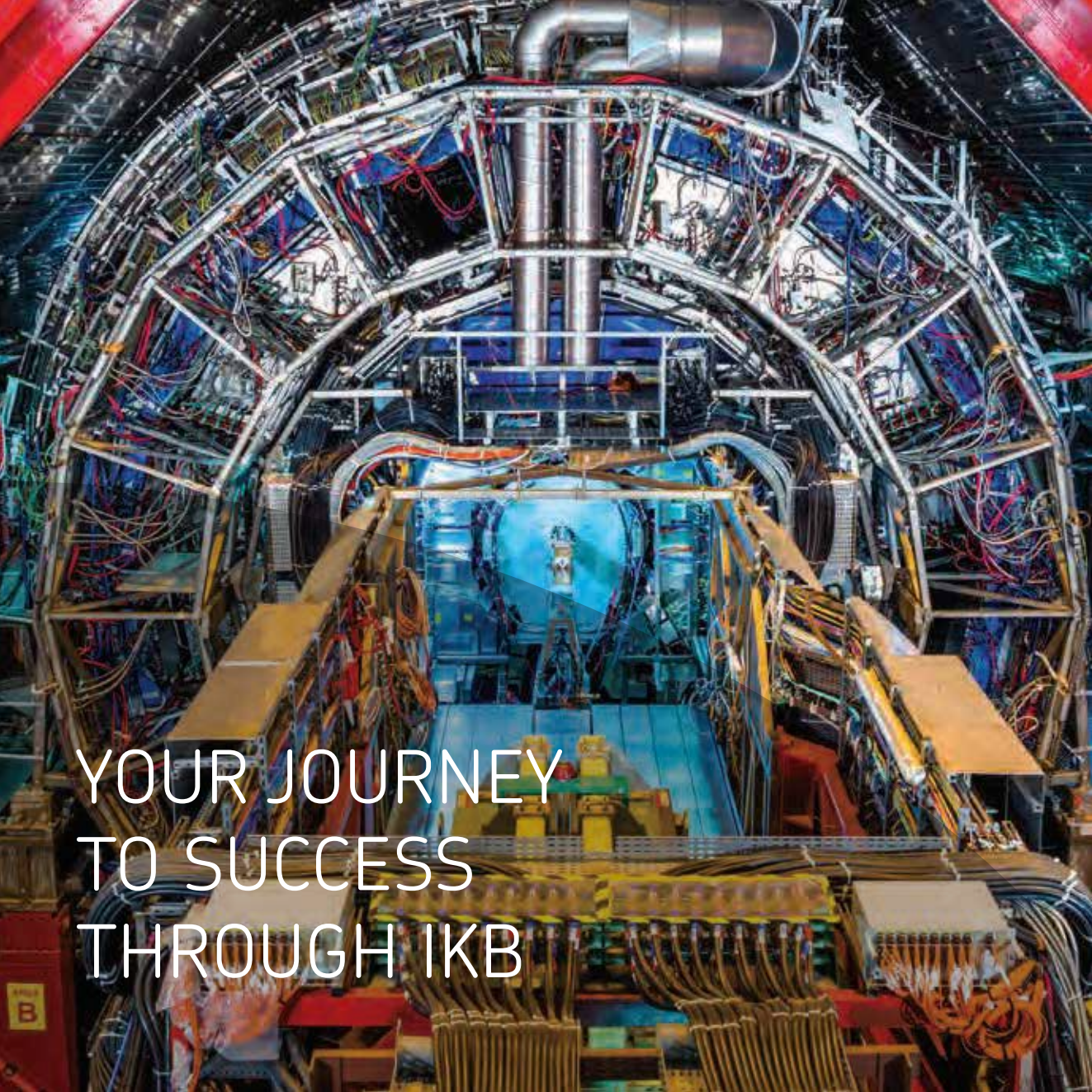
- 78,480 people started engineering apprenticeships in 2015-16
- New STEM roles are expected to double in the next ten years, with the biggest growth area in higher and degree apprenticeships



“IKB enables me to become part of a smaller community which will help in more targeted learning”

Adam, Year 12

Keep all your doors open and study STEM subjects



YOUR JOURNEY
TO SUCCESS
THROUGH IKB

B

AS AN IKB SIXTH FORM STUDENT YOU ALSO GET...

Subject-specific trips and visits in the following areas:

Physics/Maths – theme park trip to develop kinematics and mechanics

Physics/Engineering – residential trip to Cern in Geneva, Switzerland, to develop understanding of particle physics and cutting-edge engineering

Biology – residential field trip to develop ecology techniques

Chemistry – a university residential with industry visits

Product Design – a trip to London to visit the Design Museum, local trips to areas of design interest

Engineering – industry visits to experience production and manufacturing processes across sectors

An additional summer enrichment trip abroad with your peers including outdoor activities

“Taking learning to a whole new level”



OUR COURSES

We offer an exciting range of courses. Students can choose up to four options from:

A levels

- Maths
- Further Maths
- Physics
- Chemistry
- Biology
- Product Design
- Computer Science
- Fine Art
- Textiles
- Photography
- Drama and Theatre
- PE
- Music
- French
- Business Studies
- Economics
- English Language
- English Literature

- English Lit and Lang
- Media Studies
- Geography
- History
- Religious Studies
- Psychology
- Sociology

Vocational/other

- Core Maths
- T level Construction
- BTEC Science
- BTEC Engineering
- BTEC Business
- BTEC Health and Social Care
- BTEC Music
- BTEC Public Services
- CTEC Sport
- Extended Personal Qualification (EPQ)

Other courses may be available upon request.

When students have made their subject choices we will organise the teaching blocks to maximise availability.



It is expected that all courses will run for two years with students completing the full A level, T level or BTEC course.

Entry requirements and subject details can be found on our website.

BE THE BRAINS BEHIND THE BUILD

- ✓ Our T Level course in Construction will give you a head start for a career in the industry
- ✓ You will earn a qualification in Construction: Design, Surveying and Planning that's **equivalent to three A levels**
- ✓ You will gain knowledge and experience of industry standards that you can take forward into university, higher apprenticeship, skilled employment or self-employment
- ✓ It's a practical, hands-on course, with a minimum 45 days in the workplace over the two years

WHO'S IT FOR?

Students aged 16-19 with a keen interest in Civil Engineering

ENTRY REQUIREMENTS?

At least four GCSEs at grade 4 or above including English and maths

WHAT ABOUT VOCATIONAL QUALIFICATIONS?

Level 2 pass or above in Construction and the Built Environment would be an advantage but is not essential

WHERE WILL I STUDY?

You will spend 80% of your time in the classrooms and workshop at IKB. The rest of the time is on a work placement within the industry

EXAMS OR ASSESSMENT?

Two core papers: Science & Building Technology and Construction Industry & Sustainability, plus a real-life project set by your employer



Apply online

ikbacademy.org.uk/admissions



EMPLOYER ENGAGEMENT

An impressive array of employers are working in partnership with IKB Academy, contributing their unique skills and knowledge to the life of our students.

Employers are at the centre of all we do, resonating through the ethos and atmosphere of the school which fosters a culture of aspiration and opportunity.

“ Having the engagement from the IKB students... is a really powerful opportunity that should not be missed. ”

Clive Johnson,
Ministry of Defence

We are proud to be working in partnership with sectors including aerospace engineering, construction, medical, IT services, nuclear, rail and naval engineering.

Our employer engagement team develop links with key local and national businesses within the Science, Technology and Engineering sectors. These links influence enrichment opportunities, employability and study skills, which provide a strong basis for future study at university or higher apprenticeships.

In addition, our employer engagement team work with students to develop CV writing, UCAS applications, job applications and vital communication skills for the workplace.





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A WHOLE NEW LEVEL

A photograph of the IKB Academy building facade, featuring large, stylized 'IKB' letters made of vertical slats mounted on a light-colored wooden panel. The building has large windows and a modern architectural style. A red curved graphic overlay is at the bottom of the image.

IKB

The logo for Futura Learning Partnership, featuring a stylized globe icon above the word 'Futura' in a bold, sans-serif font, with 'Learning Partnership' in a smaller font below it.

Futura
Learning Partnership

IKB Academy, 68 Bath Road,
Keynsham, Bristol BS31 1SP
T: 0117 916 1025
E: enquiries@ikbacademy.org.uk
www.ikbacademy.org.uk

IKB Academy Keynsham

IKB Academy Keyn