



Wellsway Multi Academy Trust is a recently formed partnership of schools in the Bristol – Keynsham – Bath area that are working together to provide a high quality educational experience for all students in their care.



Andrea Arlidge, CEO
Wellsway Multi Academy Trust

Its Post-16 courses are delivered at the following centres:

- Wellsway School, a high performing secondary school and sixth form with a long history of success.
- Sir Bernard Lovell Academy, which over the past ten years has been at the forefront of national 14–19 developments.
- IKB Academy offers high quality GCSE, A level and BTEC courses in Science, Technology, Engineering and Maths for 14 to 19 year olds.
- The Bath Studio School, a 14–19 school specialising in courses related to the Creative and Media Industries with employer links providing real life contexts for learning.

The formation of the Trust's Post-16 partnership brings with it many advantages, amongst them the potential for shared provision. By working together now and in the future the Post-16 providers of Wellsway, IKB, SBL and the Bath Studio School will be able to provide both broad-based and specialist pathways for students in which they can access high quality teaching across state of the art facilities.

Each student will still be based in the school of their choice but will be able to access the wider opportunities, both academic and extra-curricular, offered at our other learning centres depending on their interests and needs. This innovative structure will enable us to provide an exciting and more comprehensive Post-16 offer that will better serve all the students in our communities regardless of whether they want to progress to university, to a higher apprenticeship or into employment. Launched in 2015, this unique collaboration will ultimately provide greater opportunities, within a caring sixth form setting, for all students in the increasingly challenging and diverse educational landscape.

We are pleased to be able to endorse this exciting new development and are committed to working in partnership to ensure that our provision meet the needs of all students.

Andrea Arlidge, CEO, Wellsway Multi Academy Trust

Colin Cattanach, Principal, The Bath Studio School

Debbie Gibbs, Principal, IKB Academy

Matthew Woodville, Principal, Wellsway School

Dean Anderson, Principal, Sir Bernard Lovell Academy

BEING A WMAT STUDENT

Studying with the Wellsway Multi Academy Trust means you can choose the courses that are right for you.

By teaming up together Wellsway, SBL, IKB and the Bath Studio School offer you access to over 50 Sixth Form courses. If the centre at which you want to study doesn't run a particular course of your interest, it might be available at one of our other centres; so rather than walk from one classroom to another, you simply hop on the free WMAT transport that takes you direct from one school to another and back again.

The WMAT Sixth Forms work closely together. We have aligned our timetables, working days, reporting systems and teaching to give you a consistent experience. Whether you study a subject at another centre or not, you will meet and mingle with students from other WMAT schools. It may be that they join you for lessons at your own school or it may be that you get involved in the increasing number of WMAT enrichment opportunities, extra-curricular activities and social events.

Being a WMAT student gives you the best access to Sixth Form education in a school setting.

WELCOME TO SBL SIXTH FORM...



Mr S Downes
Head of Sixth Form



It is the intention of everyone involved in delivering the Post-16 provision at Sir Bernard Lovell Academy that your study should be an enjoyable and worthwhile experience, not only in academic and vocational achievement, but in the continued development of you as an individual.

We are fortunate to have a dedicated modern Post-16 centre, exclusively for the use of Post-16 students. This excellent provision will also be supported by our partnership with the other centres within the Wellsway Multi Academy Trust to enhance the choice of courses and enrichment activities available.

At Sir Bernard Lovell Academy you will be taught by experienced teachers who know you and your preferred way of working. You will be assigned a personal tutor who will guide and support you through your studies, including your applications to university, apprenticeship or employment.

A handwritten signature in black ink that reads "S Downes".

Mr S Downes
Head of Sixth Form



Wherever you look you will see that 'learning pays'. Qualifications and experiences are increasingly necessary for employment in all walks of life. Within the Post-16 centre, we have designed an exciting and broad Post-16 curriculum to enable you to equip yourself for employment, higher education and life.



FIVE GREAT REASONS TO JOIN SBL SIXTH FORM

- 1. HIGH EXPECTATIONS**
Post-16 is about freedom, responsibility and opportunity; in many ways you get out of it what you put into it. The Post-16 Centre has high expectations and aspirations and expects students to have them too. We will encourage you to have an open mind and to think critically as you learn and progress.
- 2. EXCELLENT PROGRESSION**
Young people are increasingly required to make complex decisions about their future at an earlier age than ever before. There is a comprehensive programme of careers education, information, advice and guidance in place to give you the chance to fully explore possible progression choices. In the Sixth Form we ensure that all students are supported to achieve their goals. In 2017, all Year 13 leavers progressed to university, further education, apprenticeships or employment.



3. SUPPORT FOR YOUR PROGRESS

We don't just expect success at SBL, we actively support you in achieving it. The secret of success is developing the ability to study and plan work effectively. Not all students will find this easy, but there is ongoing support available from Personal Tutors and teachers that know you to help you achieve your full potential.

4. SOMETHING FOR EVERYONE

Sir Bernard Lovell Academy is part of the Wellsway Multi Academy Trust; this significantly increase the opportunities available to you both in terms of the courses on offer and in terms of the expertise that the schools have. This includes the engineering facilities at the IKB Academy and industry standard media facilities at The Bath Studio School.

5. IT'S NOT JUST WORK, WORK, WORK

At SBL, we want you to be academically successful but also to have fun. You will have the opportunity to be involved in a range of activities ranging from school productions to helping in the school community, running charity events to completing your Duke of Edinburgh silver award. As a sixth form student at SBL, you are also entitled to a discounted membership to the school gym.

BEING AT SBL SIXTH FORM

Whether you are targeting a place at university or planning to begin your career, SBL is organised to give you the support you need to develop, and the space you need to flourish.

FIRST-CLASS TEACHING

Our specialist teachers and support staff are highly qualified and experienced at inspiring students like you to make the most of their talents, and to discover new ones.

SUPPORTIVE CULTURE

In SBL Sixth Form, we regard ourselves as a community focused on delivering outstanding support to students both inside and outside of the classroom. Whether you are looking for new challenges, struggling with your workload or dealing with issues outside of the Sixth Form, there are staff and structures in place to ensure you will be successful.

YOUR OWN SPACE

Sixth Form is a different experience to being at school. You're older, more independent and you study and work in different ways. That's why we have a dedicated custom built area for sixth form students in addition to the whole school facilities and resources. In the sixth form centre, you can work collaboratively or on your own in one of the quiet rooms using the dedicated sixth form IT facilities. You can even grab a snack or a hot drink from the Post-16 café in the Sports Centre.

PERSONALISED APPROACH

Throughout your time at SBL, you will have a personalised study programme. You will receive regular reports and feedback on your progress and attainment from your tutor and

subject teachers. You will meet with your tutor at least termly for mentoring meetings where your progress will be reviewed and targets, both academic and personal, will be set. You will also meet with your whole tutor group twice a week to develop the important study groups and friendships that will support your success.

ADVICE AND COACHING FOR WHAT'S NEXT

Our personalised tutor system means that we know you well, which in turn means we can give you the best advice. When it comes to applying to university, further courses, apprenticeships or employment, we can offer you sound advice and information as well as extensive support in developing your applications and personal statements.



“

Timely extra support is provided and monitored to ensure that students are achieving their targets.

”

Ofsted 2014



DEVELOPING AS A STUDENT IN THE SIXTH FORM

At SBL, we believe that the students themselves should be actively involved in how the sixth form develops. This is why we have a student council that represent the views of students to the sixth form leadership team.

We believe that all students in the Sixth Form have skills and experience that students in the main school can and will benefit from. We therefore expect all students to develop their leadership skills by becoming involved as volunteers. This will take many forms, from helping to organise house activities

in conjunction with the Heads of House, to supporting younger students with their studies. It might involve helping the IT technicians maintain the computer provision or helping the Sports department organise equipment. There are a wide range of opportunities to suit all students in the sixth form. Becoming involved in these activities will form a key part of your study programme.

We encourage and support all students to undertake a period of work experience. Whether you are planning to go straight into employment or apply to university, work experience is

an important element of sixth form education. A high quality experience of an appropriate working environment will provide you with a valuable, first-hand insight into the world of work and help you to make more informed career and education choices.

Employers and universities are increasingly expecting students to provide evidence of a broad range of qualifications and skills. A successful work experience allows you to demonstrate the development of vital employability skills.



MAKING THE MOVE INTO THE SIXTH FORM

“
Teachers provide personalised and targeted support.”
Ofsted 2014

It's true to say that expectations are higher in sixth form and the work is more in-depth and demanding, so it makes sense to choose what you study carefully. Clearly, you should choose subjects that will help you to achieve your goals, whether that's entry to a particular course at university or securing a particular type of employment or apprenticeship. It is also important to make sure they are also subjects that you enjoy so you are motivated to study for the next two years.

Recent Changes to A Levels and GCSEs

Whilst our vocational courses are designed to be assessed in both Year 12 and 13, all of our A Levels are two year courses and assessed at the end of the second year to reflect the move to a linear structure.

GCSEs are also undergoing the same reform. For Year 11 students, this will be awarded on a scale of 1-9 rather than A*-G in most subjects. A grade 4 is currently considered the equivalent of a low-mid C grade, a grade 5 the equivalent of a high C /low B grade, a grade 6 the equivalent of a mid-high B grade and a grade 7 the equivalent of an A grade.

Getting into our Sixth Form

To enter Sixth Form you must attain five subjects at grade 4 or better including at least one of Maths, English Literature or English Language. In addition, you must meet individual subject entry requirements. If you do not attain both English Language and Maths, then you will need to re-take one of them in Year 12 as part of your study programme.

You then choose three subjects to study (some courses count as two as they are double awards) and, if desired, you might also opt to do a morning of fortnightly work experience.

If you have at least an A-grade GCSE average, you might also have the option to do a 4th subject, which we will discuss at enrolment.

Each Level 3 subject has an average of four-and-a-half hours of expert class teaching per week – which is very high by national standards.

Additional Level 3 Qualifications Extended Project Qualification (EPQ)

If you have at least a 6 grade average or better at GCSE and want something in addition to your three subjects, you may also want to take the EPQ. This starts at the end of Year 12. It is a very popular qualification because you are able to investigate a topic of your choice and it really strengthens your independent learning skills. Some universities are now starting to make two separate

offers to students where a good EPQ grade will reduce their requirements.

Core Maths

If you are choosing to study any Sciences or Psychology, you might want to also take Core Maths in addition to your three subjects to help you with the maths content in those subjects – which will also give you extra AS-level equivalent points when applying to university.



SUBJECTS ON OFFER

A Levels

Art and Design: Fine Art
Art and Design: Textiles
Biology
Business Studies
Chemistry
Computer Science
Design Technology: Product Design
Drama and Theatre Studies (Wellsway)
Economics (Wellsway)
English Language
English Literature
English Literature and Language
French
Geography

German
Government and Politics (Wellsway)
History
Mathematics
Mathematics (Core)
Mathematics (Further)
Media Studies (Wellsway)
Music
Photography
PE (Wellsway)
Physics
Psychology
Religious Studies
Sociology

Vocational

Applied Science
Business
Construction* (IKB)
Engineering*
Health and Social Care*
Public Services
Sport*
Travel and Tourism

*These can be taken as Double Award subjects at IKB / Wellsway and will count as two of your options

As with all of our Trust Sixth Forms, if you find a course at Wellsway or IKB that you wish to take that we do not offer here, you will be able to do so. Please ask for further details.



Photo: Colin Rayner

A Level Music

A Level Music is an exciting and challenging course that allows you to develop existing practical skills in performance, composition and musical analysis.

In preparation for your final recital, there are many performance opportunities throughout the year in a variety of venues. In class, you will analyse and explore music from a list of set works examining harmony, texture, structure and melodic and rhythmic roots. You will spend time planning and writing compositions to a given brief.

Studying Music is a highly rewarding, academic and enriching experience. You will have a chance to really immerse yourself in a wonderful variety of music and learn skills that will allow you to achieve your full potential.

Entry guidelines

GCSE Music grade 6 with a performance audition and the ability to read music fluently by the start of the course.

A Level Art and Design: Textiles

The specification allows students to cover a broad range of techniques, materials and processes including surface decoration, dye methods, felt and silk paper making, hand and machine embroidery and a variety of mixed media textiles.

Students are encouraged to develop their skills, knowledge and understanding in a more individual and creative way by studying and responding critically to the work of artists and textile artists. This work is further developed in the second year of study by experimenting with and combining a range of textile techniques around a theme of the students' own choice, plus a written related study of up to 2,000 words.

Enrichment visits are organised to textile exhibitions and museums locally and in London. An enquiring mind, ability to research, high standards of presentation and attention to detail plus an interest and enthusiasm about textiles is essential.

Textile design is an excellent opportunity for students interested in fashion, costume design, interior design, printed and / or dyed fabric and art textiles. This course prepares students to study foundation art or go to university.

Entry guidelines

GCSE Art and Design at grade 5 or above or equivalent.

CREATIVE ARTS

“ I felt proud of the comments I received when I exhibited my work to the public. ”

A Level Art and Design: Fine Art

The course encourages students to develop their knowledge, skills and understanding of drawing, painting, printmaking, sculpture and new media. In addition, the course encourages students to gain an understanding of a range of relevant artists. The course begins with a series of workshops to develop core skills. Subsequently, students work to develop their own response to a given theme. Sketchbooks are used throughout the course as a place to explore ideas, experiment with materials and document progress.

There will be educational visits, local and national, offered to students and attendance on these benefit students enormously. Students will also be encouraged to explore visual culture in a broader sense in their own time and become more aware of the local, national and international art scene.

A Level Art and Design (Fine Art) is accepted as an appropriate qualification for entry onto a Foundation Diploma in Art & Design. Some students do choose to apply direct to university degree courses, although for art and design subjects, many universities ask for students to complete the Foundation Diploma course first.

Entry guidelines

GCSE Art and Design at grade 5 or above or equivalent.

A Level Art and Design: Photography: lens and light- based media

This is a two-year course that includes the use of digital and traditional photography. Students develop their knowledge and technical skills through a series of projects and skills-based workshops. Externally set exams take place in both years of the course. The Personal Investigation (coursework) includes a significant written element to support practical work. Visits to museums, galleries and working with practitioners broadens students' experiences throughout the course. Students are encouraged to explore both contemporary and historical photographers.

This course can help gain entry onto a Foundation Diploma in Art & Design. Some students can also apply directly to university degree courses. Possible career paths include; digital-artist, graphic designer, fashion photographer, filmmaker, animator and journalist.

Entry guidelines

GCSE Art or GCSE Photography at grade 5 if taken. Other relevant qualifications and experience will be considered.



Link course available at Wellsway School:

A Level Drama and Theatre Studies

“

If I ever have a problem with my work I can always guarantee the teachers will help me. ”

YEAR 13 STUDENT



ENGLISH & MEDIA

“

My tutor gave me tons of support especially with my university application, he must have checked my personal statement ten times to make sure it was perfect. ”

YEAR 13 STUDENT

A Level English Language

This exciting A Level explores the study of English Language both as a medium of communication and as a topic in its own right, with an emphasis on debating different views and working independently to research aspects of language in use.

The study of language as a symbolic system used to assert power in society is also fundamental to the scope of this specification.

You will study a range of written and spoken texts and be given an insight into how the English Language has changed from its Anglo Saxon roots to the present day. You will study the key concepts of audience, purpose, genre and mode and will explore language in its wider social and geographical context as well as study varieties of English within the British Isles and consider social attitudes to, and debates about, language diversity.

The course gives you an insight into the research linked to how children acquire language, providing you with an understanding of both their linguistic and cognitive development. You will learn how to think critically, how to use research to conduct an investigation and how to record and analyse your own language data with technical precision, in addition to creating texts and reflecting critically on your own processes of production.

Entry guidelines

GCSE English Language grade 5 or above.

A Level English Literature

English Literature builds on the knowledge, understanding and skills established at GCSE and requires a genuine love of literature.

It introduces the discipline of advanced literary studies and requires the reading of all the major literary genres of poetry, prose and drama. You will be given the opportunity to read widely and independently both set texts and texts you have chosen to read for yourself.

The course will equip you with the skills that you need to analyse, evaluate and compare a range of literature from Shakespeare to the present day, providing you with the skills necessary to explore how writers shape meaning in texts. You will also consider critical interpretations of key texts and reflect upon the significance of cultural and contextual influences on writers and readers.

This course will prepare you for the majority of courses at university because it requires you to discuss issues, formulate opinions and conduct a considered debate on the aspects of the literature studied.

Entry guidelines

GCSE English Literature grade 5 or above.

A Level English Language and Literature

The specification encourages students to develop their interest in and enjoyment of English Literature, and to build on their GCSE study of English Language. The course requires students to study prose, poetry and drama. They will also study an anthology of texts, fiction and non-fiction, based around the theme of 'Paris', which will also provide the stimulus for 'recreative writing'. For AS Level, all final assessments are closed book exams. At A-Level, one exam is closed book and one is open book; students also complete a teacher assessed assignment.

Students will have opportunities for the exploration of creative interpretations and transformational writing to develop their independent and individual interests. Students will develop their ability to read critically, analyse, evaluate and undertake independent research using literary and linguistic concepts as a critical tool. They will produce seminar papers based on their research to present to their class; in the past, students have attended lectures and theatre performances to enhance their learning.

English Language and Literature is a highly regarded and established course welcomed by universities. Pupils wishing to study at university level can use this A Level qualification for entry to undergraduate courses including English, but would be advised to take either English Literature or English Language or both if they wish to specialise in English for career purposes.

Entry guidelines

GCSE English Language and Literature grade 5 or above.

GCSE English Language

Students who do not gain a grade 4 or above in GCSE English Language will re-take this course as one of their sixth form options.

Link course available at Wellsway School

A Level Media Studies

A Level Sociology

How do we choose our friends? Why do some social groups do better at school than others? What makes people commit crime? If you are interested in any of these questions then Sociology could be the perfect subject for you.

Sociology is concerned with understanding the nature of society. It seeks to provide explanations about the world we live in and explain how and why we make the decisions that we do. Throughout the course, you will learn about key Sociological thinkers and consider how their views can be applied to modern day society. You will consider the rise of technology and how it has influenced how we all communicate. You will need to be able to think critically and apply your knowledge to fundamental theories about society.

Sociology is assessed by three exams, all taken at the end of a two year course. Sociology gives you the opportunity to conduct your own research, prepare and deliver presentations, debate contemporary issues and evaluate different theories about human behaviour and links to a very wide variety of degree courses or employment routes.

Entry guidelines

GCSE grade 5 in English Literature or Language.

CTEC Level 3 in Health and Social Care

This is a wonderful course for those who wish to enter the caring profession whether your ambition is a degree in nursing, a higher apprenticeship or employment; it is also suitable for those wishing to go into primary school teaching. The care sector is a growing industry requiring both men and women to work with a variety of clients in many different settings, both individually and in teams, and offers the opportunity to travel abroad.

Relevant voluntary work/work at places such as Mencap, Butterflies (for autistic children), care homes and playgroups are positively encouraged. This will help your

Link course available at Wellsway School

- CTEC Level 3 Double Award Health and Social Care

A Level Religious Studies

Studying Religion, Philosophy & Ethics at A Level will help to develop your skills of thinking critically, sustaining debates on topical and often controversial issues and making reasoned ethical judgements. It is a highly relevant subject in today's world which is recognised as a versatile and desirable qualification. It is not necessary to have taken a GCSE in Religious Studies in order to take the A Level but you are required to have achieved a good grade at GCSE in English.

Taught by subject specialists, you will learn through a lecture and seminar style delivery, group and self-study assignments, presentations and discussions. There are also opportunities to take part in regional academic conferences. This exciting subject will focus on three components: The Study of Religion, The Philosophy of Religion and Ethics and Religion.

A Level Religious Studies is made up of 100% exam where you are examined on your knowledge and understanding and your skills of analysis and evaluation.

Entry guidelines

GCSE grade 5 Religious Studies if taken or a 5 in English.

understanding and benefit your written work as well as support any applications you make in Year 13. You will be encouraged to find this yourself, with the support of the teaching and sixth form staff.

The vast majority of assessment is through coursework. The wide range of topics you will study (such as Child Protection, Physiological Disorders, Nutrition, Promoting Health Education, Caring for Older People, Human Inheritance and Complementary Therapy) will give you an excellent range of knowledge and experience to take with you into a bright future.

Entry guidelines

GCSE English at grade 4 and GCSE Combined Science grade 4.

SOCIAL SCIENCES

A Level Psychology

Psychology is the scientific study of the human mind and human behaviour. As an A Level Psychology student, you will discover a range of approaches to the subject including cognitive, biological and social perspectives on Psychology. Through the course, you will explore key studies into topics such as memory, brain structure, children's development and mental health.

Psychology is a complex and fascinating subject, with many competing points of view on even the simplest behaviours. Therefore, you will learn to critically evaluate both theories and research in order to draw your own conclusions about which theories are best.

In addition, you will learn to design and conduct your own scientific research into human behaviour, using appropriate research methods and mathematical skills, including data analysis, presentation and statistics.

Entry Guideline

GCSE grade 5 in English Language or Literature, grade 5 in Maths.



HUMANITIES

A Level Business

In this fantastic course we explore the challenges and issues of starting a business by examining each stage in the process of taking an idea, researching and planning it, setting up the legal structure to succeed and securing the finances to start up as well as examining the issues faced by larger businesses and how established businesses might improve their effectiveness.

In the second year, we investigate strategies for larger businesses and how managers might measure the performance of the business, and consider the effects that external factors can have on businesses and how a business can plan for and manage changes in society, technology and the wider market place.

Assessment is by three exams in Year 13.

Entry guidelines

GCSE Maths grade 5 or above.

A Level Geography

Geography is a diverse, engaging and hugely relevant subject which equips students with essential skills required not just during years 12 and 13, but into university and the workplace. It is not a coincidence that Geography graduates are amongst the most employable non-vocational graduates. Over the course of years 12 and 13 you will study the natural and human environment, and the ways in which humans interact with the physical world. This will be achieved through topics such as the water and carbon cycles, hazards (tectonic and atmospheric), changing places, coastal systems and landscapes, global systems and governance, and population and the environment. You will complete four days of fieldwork over the two years.

In the Geography department we use a range of teaching styles, including debate and discussion, thinking skills, interpreting data and maps, extended writing and audio visual presentation. You will be assessed at the end of year 13 with both examination and controlled assessment.

Geography combines well with many other subjects both in the Arts and the Sciences, it is highly valued by universities and employers and is a 'facilitating subject' as identified by the Russell Group of universities.

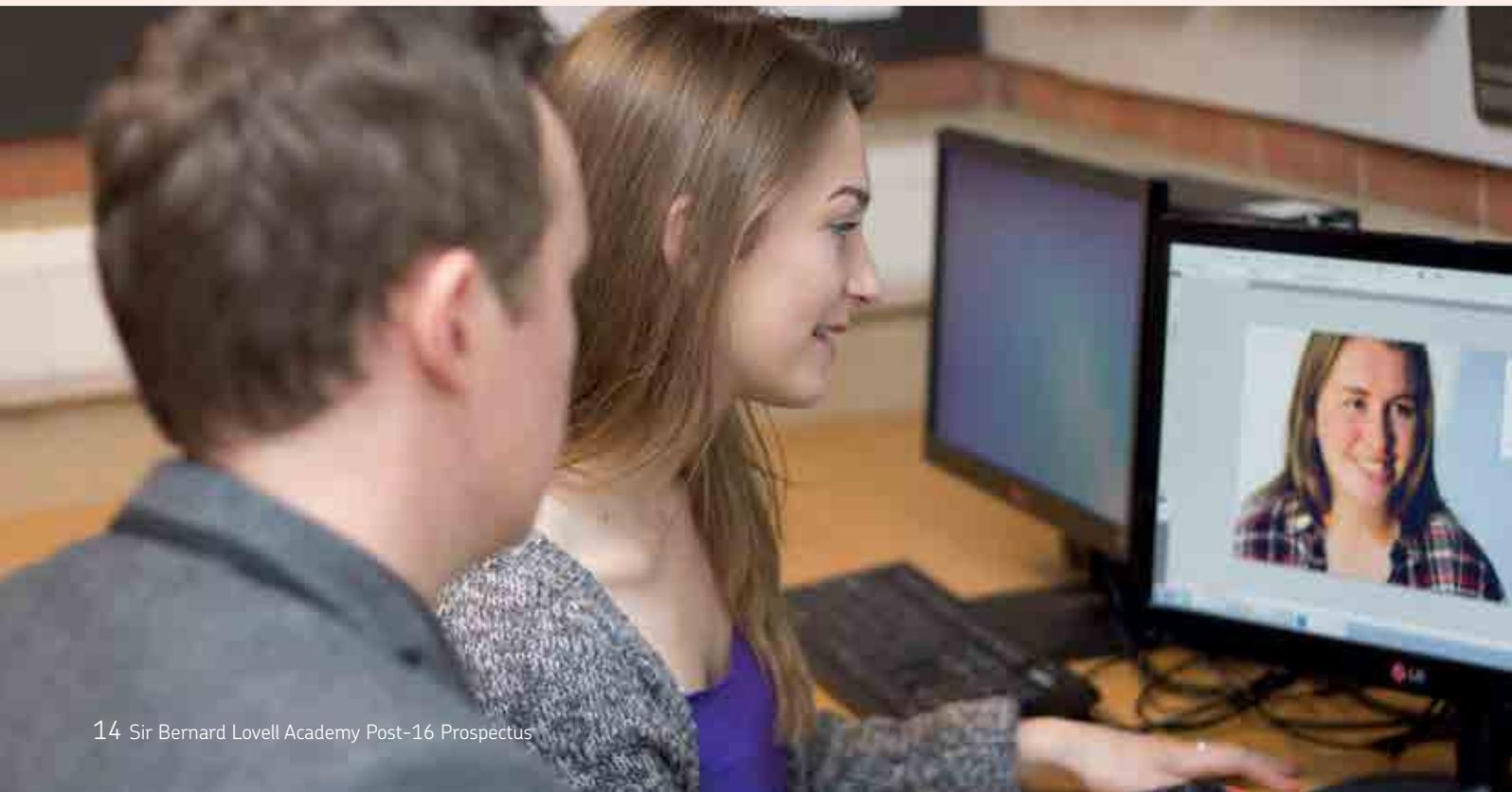
Entry guidelines

GCSE Geography grade 5 if taken or a 5 in English.

Link courses available at Wellsway school:

A Level Economics

A Level Government and Politics





A Level History

Studying History provides you with a great opportunity for enquiry, discussion and debate. This fantastic course offers you a chance to delve into important events in British and world history. Key topics include the rise of Hitler and Mussolini, causes of the second world war and world history in the 19th and 20th centuries. Studying History will enable you to not only investigate some of the most fascinating moments in history but also help you draw parallels to current political issues.

The course develops your analytical skills through the scrutinising of cartoons, speeches, novels, films and government letters in order to enable you to form sound opinions and interpretations of significant events that have helped shape the world today. You will participate within a range of group discussions, debates and independent tasks over the course in order to develop your literacy and presentation skills.

History is a highly regarded subject by employers and universities alike and History graduates apply to a wide range of degree courses such as Law, Politics, Journalism, Accountancy, Media and International Relations. History can also lead to exciting job opportunities such as working within government office, European and human rights divisions, leading corporate companies and roles within the media and entertainment industry.

A Level History comprises of 4 key units, 80% of which is assessed through examination and 20% through coursework.

Entry guidelines

GCSE History grade 5 if taken or a 5 in English.

CTEC in Business

The main aim is to introduce learners to the complex nature of business. It encourages students to develop a detailed knowledge of how businesses are organised and operate as well as developing their own employability skills. Students do not need to have studied business previously to take this course. The course aims to provide the opportunity for students to develop a broad understanding of business and to study selected areas in depth.

The course will provide the breadth of knowledge, understanding and skills to prepare students to study in higher education institutions or to enter employment.

The course is assessed through a combination of examinations and coursework.

Entry guidelines

Grade 4 or above in GCSE English and Maths.

BTEC Level 3 Public Services

The BTEC in Public Services is targeted at students who would like to gain employment in the public services sector, particularly the emergency services and armed forces. This course will develop leadership and team building skills and provides an excellent foundation for a career in the Public Services. The qualifications will develop students' abilities through the knowledge and skills taught on the programme.

This course will involve a variety of external visits into organisations from different sectors as well as visiting speakers coming to school to work directly with students. Students may also be involved in independent research which may mean approaching an organisation themselves to investigate a particular area of interest.

Entry guidelines

Grade 4 or above in GCSE English and Maths.





ICT

A Level Computer Science

The Computer Science A Level is designed to develop your ability to analyse real world problems and devise solutions to these using computational abstraction, allowing you to develop programming and problem solving skills to a professional level. Computer Science eschews the familiarity with using a computer to focus on understanding how computers work, the mathematical skills used to express computational concepts and how to design algorithms to solve real world problems. It progresses naturally from GCSE Computing although there is no prerequisite to have completed that course.

You will develop the expertise in programming to design computer programs that can accomplish anything. All this is done through teaching the concepts of programming in multiple programming languages (from Java to PHP to Python), this allows students to develop the skill-set to pick up and program with any language rather than being tied to one. The course is highly creative and combines innovation and excitement as you solve computational problems, design systems and understand

the power and limits of human and machine intelligence. In year two of the course you will have the opportunity to create a software solution to a problem of your choice. In the past, this has led to iOS/Android apps, online games, web applications and abstract computational models.

The course is made up of 80% written assessment at the end of the course and 20% on a project which is completed in the second year.

Entry guidelines

Grade 6 in Computing if taken or a grade 5 in Maths and either English Language or English Literature.

CTEC in Sport and Physical Activity

This course provides the learners with the opportunity to develop a range of techniques, personal skills and attributes essential for successful performance in working life. Through the course, learners will study body systems and the effects of physical activity to help develop their sports leadership and coaching skills as well as looking at the wider area of sports development. Students will also complete a further two units from a choice of options. These can range from topics such as sports analysis, biomechanics or sports injuries.

This course will give students a broad understanding of factors relating to sport and physical activity. It will develop their knowledge, ability to research topics independently as well as their planning, organisational and leadership skills. The course has been developed to give learners the opportunity to enter employment in the sport and active leisure sector as well as the opportunity to progress to higher education.

The course is assessed through a combination of examinations and coursework.

Entry guidelines

Grade 4 in PE plus grade 4 in either English Language or English Literature. Or a Merit in a Level 2 BTEC plus grade 4 in English Language or English Literature.



“

Coming into the sixth form was much less scary than I thought, I have made lots of new friends. ”

YEAR 12 STUDENT

Link course available at
Wellsway school:
A Level Physical Education

SPORT



MATHEMATICS

“

I am really enjoying studying my chosen subjects.”

YEAR 13 STUDENT

Level 3 Core Maths

Core Maths will be distinct from A Level Maths. Its main purpose is to prepare you for higher level study with a mathematical focus such as Engineering, Economics the Sciences, Geography, Business and the Social Sciences. Of course, it may be that you just want to keep studying Maths to complement your other A Levels.

Core Maths content will focus on:

- The application of mathematical knowledge to address real problems and questions.
- Representing situations mathematically.
- Use of mathematical and statistical knowledge to make logical and reasoned arguments in a variety of contexts.

The Core Maths qualification will fit alongside your main 16-18 programme and is designed to be taken over two years.

Entry guidelines

GCSE Maths grade 4 or above.

A Level Mathematics

Mathematics aims to develop students' understanding of mathematics and mathematical processes to promote confidence and enjoyment. You will develop the ability to reason logically, extend your range of mathematical skills and techniques and use them to solve a wide variety of theoretical problems. You will study areas of mathematics that include:

Pure Maths

Algebra and functions, exponentials, logarithms, trigonometry, geometry, calculus and vectors.

Statistics

Representation of data, sampling methods, regression and correlation, hypothesis testing and probability.

Mechanics

Motion in a straight line, including constant acceleration formulae and use of calculus. Newton's second and third laws of motion, including connected particles, models of friction and moments.

The problem-solving nature of A Level Mathematics makes it a much sought-after entry qualification for a wide variety of university courses and careers, particularly in business and finance and in the sciences. It is also a key component in areas such as genetics, geography, economics, accounting and computing.

Entry guidelines

GCSE Mathematics grade 6 or above.

A Level Further Maths

Further Maths is one of the most prestigious qualifications to have and links to a wide variety of degrees including Mathematics, Physics, Engineering, Computer Science, Natural Sciences, Economics and many others. If you are considering a future training programme in the business and financial sectors, you might also want to seriously consider the advantages this course offers. You will study areas of mathematics that include:

Further Pure Mathematics

Functions, differential equations, complex numbers, alternative coordinate systems and matrices.

Students will then study some of the following content:

Further Mechanics

Motion in a circle, work, energy and power, motion under a variable force and centres of mass.

Further Statistics

Continuous random variables, normal distribution, hypothesis testing and confidence intervals.

Decision Maths

Critical path analysis and game theory.

A Level Further Mathematics is not just for those who want to go on and study mathematics at university. An increasing range of university courses value Further Mathematics and use it to discriminate between applicants with similar A Level profiles.

Entry guidelines

GCSE Maths grade 7 or above.



GCSE Mathematics

Students who do not gain a grade 4 or above in GCSE Mathematics will re-take this course as one of their sixth form options.

SCIENCE

A Level Biology

For anyone who sees a future career in medicine, veterinary sciences, nursing, biomedical sciences, radiography, pharmacy, environmental sciences, agricultural sciences, microbiology, biotechnology and many more then A Level Biology is an excellent starting point.

The course covers a wide range of fascinating topics including cell biology, exchange, transport systems, biochemistry, food science, health, biodiversity and evolution. Although this course is taught in a very practical way in the classroom with plenty of opportunities to implement the theory that you learn, there is no practical examination as such. Instead, for this element, you will be internally assessed on several exciting set practical tasks from microscopy to dissection to physiology, for which you will gain a practical endorsement. Practical assessment will be entirely through questions on the "theory" examination questions in the end of year exams.

You will be taught by one or two subject specialists and you will learn through note-taking and note-making, problem-solving exercises, regular past paper questions and student-led seminars.

Entry guidelines

GCSE Science & Additional Science grade 6 or Biology GCSE Grade 6 and also a grade 5 in Maths.

A Level Chemistry

Chemistry is the glue that holds the sciences together explaining the relevance of the fundamental particles in our universe through to the complex reactions that lead to life. It is a requirement for all Vets and Medics at university, and also leads to degrees in Biochemistry, Chemical Engineering, Chemical Physics and of course Chemistry!

The course starts with a closer look at the atom and bonding and measuring amounts of chemical substances. We then move on to subjects as varied as the energy that can be gained from different fuels, the forces acting between molecules, and the mechanisms explaining how different organic species react.

Chemistry is hugely prized by employers who see that it shows logic and reasoning skills, as chemistry involves huge amounts of problem solving and rational thought. You will be taught by two teachers who will guide you through the course and make sure that you are prepared for the new style exams and can meet the criteria needed for the practical endorsement.

Entry guidelines

GCSE Science & Additional Science grade 6 or Chemistry GCSE Grade 6, also grade 6 Maths.



A Level Physics

Physics is a subject of enormous breadth. It encompasses the whole of the physical world from fundamental particles to supermassive black holes, from the beginning of time to the ultimate fate of the universe.

As an A Level Physics student you will develop valuable, transferable skills such as data analysis, logical thought and complex problem solving which are highly valued by employers across a wide range of disciplines and which can open the door to a host of degree courses including science, engineering, computing, medicine and business.

Physics is not set in stone, fixed for all time. It is constantly evolving and new theories, discoveries, and ways of thinking gradually take the place of previous knowledge and understanding. You can be part of this new age of discovery.

If your maths ability is sound and you enjoy finding out how the universe around you works then this is the course for you.

Entry guidelines

GCSE Science & Additional Science grade 6 or Physics GCSE Grade 6, also grade 6 Maths.

Level 3 BTEC Applied Science

For anyone who sees their future career in science, Applied Science is an excellent starting point. It covers a wide range of topics across Biology, Chemistry and Physics and will allow you to acquire a high level of practical laboratory skills from which the theory is then drawn.

This course is very practical with plenty of opportunities to implement the theory that you learn which means that you have a very clear understanding of the course theory.

Taught by subject specialists, with laboratory experience, you will learn by completing laboratory based practical assignments, supported self-study assignments, presentations and discussions that are based on real workplace situations, activities and demands.

This course will be assessed through a combination of examinations and coursework.

Entry guidelines

GCSE Science grade 4 in Combined Science and also grade 4 in Maths.

A Level Product Design

A Level Product Design is an exciting and innovative course that helps you develop your capacity to design and make products and appreciate the complex relations between design, materials, manufacture and marketing.

We are fortunate enough to be able to deliver the course with industry standard software and many contemporary manufacturing methods, including laser cutting and 3D printing. You will have the opportunity to design your own projects that cater for your individual strengths and areas of interest.

An A Level in Product Design is widely acceptable as an entrance qualification at all universities and colleges, and encompasses a wide range of disciplines and combination of subjects. Product Design is an excellent qualification for careers in engineering, architecture, product/industrial design and any other design related courses.

The coursework portfolio of skills makes up 60% of the course and the external exam is 40% (this may vary depending on exam board).

Entry guidelines

GCSE in a Design and Technology subject at grade 5 or above if taken, or grade 5 in either Maths, English Literature or English Language.

BTEC Level 3 Diploma in Engineering

The BTEC Level 3 Subsidiary Diploma provides the opportunity to develop knowledge and skills in the design, development and manufacture of engineering products and systems.

Learning is achieved through the completion of practical projects and assignments based on realistic workplace situations.

BTEC level 3 Subsidiary Diploma in Engineering consists of 6 units split over two years. The units to be delivered have been chosen to allow you to develop a broad knowledge of engineering and engineering practices, knowledge that will prepare you for future work, apprenticeships or university.

The units within BTEC Level 3 Subsidiary Diploma in Engineering:

Year 12 (AS)

- Health and Safety in the Workplace
- Engineering Materials
- Engineering Drawing for Technicians

Year 13 (A2)

- Fabrication of Engineering Solutions
- Computer Aided Manufacturing
- Electrical and Electronic Principles

This is a single award and will take up one option block.

Entry guidelines

A grade 5 in one Science and GCSE Maths at grade 5.

“

The practical work in product design is awesome; what's not to like? ”

”

DESIGN & ENGINEERING

Link courses available at IKB Academy:

BTEC Level 3 Double Award Construction and BTEC Level 3 Double Award Engineering



LANGUAGES

A Level French

Studying French will develop your understanding of the language in a variety of contexts and genres helping you to communicate confidently, clearly and effectively. It allows you to broaden your view of the world and to discover a culture beyond your own. You will develop your analytical, discursive and essay-writing skills as well as gaining a solid grammatical understanding and a broad vocabulary.

In year one, we study French through aspects of media, culture and lifestyle as well as family and relationships; in year two we look at topics such as the environment, our multi-cultural society as well as contemporary social and cultural issues. You will also undertake independent guided research during year two, typically by studying a film of your choice.

Many previous students have gone on to study French at degree level or combined it with a range of other subjects such as law, business or another language. French is one of the “facilitating subjects” as identified by the Russell Group of universities.

Entry guidelines

GCSE French grade 5 or above.

A Level German

As the most widely spoken language in Europe, studying German at A Level will not only strengthen your communication and thinking skills but also extend your career opportunities in many fields including business, engineering, the sciences, tourism, media, technology and many more.

We will help you build on your GCSE learning and you will be able to communicate confidently and effectively in German. We will also help you develop your understanding of the culture and societies of places where German is spoken through studying aspects of media, culture and lifestyle, family and relationships, the environment as well as contemporary social and cultural issues. You will also undertake independent guided research during Year 13, typically by studying a film of your choice.

We believe that spending time in the country is an integral part of studying a foreign language and, as part of this we organise a trip to Berlin for students in years 12 and 13. Many students have also gone on to spend time in Germany independently or as part of a German degree and have found this to be an extremely rewarding experience.

Entry guidelines

GCSE German grade 5 or above.

“

It was great having the international students in Post-16 for me to practise my language skills with.

”

Come and find out more...

“

Students are resilient, determined and engaged in their learning. ”

Ofsted 2014

Please come and visit us to look around the school and find out for yourself how Sir Bernard Lovell Academy Sixth Form supports and enables all young people to achieve more than they dreamed possible.

To make an appointment to visit the school, contact us on:

Email: sblovell@sblonline.org.uk

Phone: 01454 868020

Follow us: [Twitter](#) SBLAcademy



SBL
SIR BERNARD LOVELL
ACADEMY

Find us: Sir Bernard Lovell Academy Sixth Form,
North Street, Oldland Common,
Bristol, South Gloucestershire
BS30 8TS



The Wellsway Multi Academy Trust Post-16 providers comprise:



The Bath Studio School is a 14-19 school specialising in courses related to the Creative and Media Industries with employer links providing real life contexts for learning.



KB Academy offers high quality GCSE, A level and BTEC courses in Science, Technology, Engineering and Maths for 14 to 19 year olds.



Sir Bernard Lovell Academy is a large and popular comprehensive academy for 11-19 year old students, committed to excellence in academic achievement and personal development.



Wellsway School, a high performing secondary school and sixth form with a long history of success.

The possibilities are infinite