



Feltham College

THE REACH SIXTH FORM PARTNERSHIP

Course Guide



Overview

Here you will find all of the information that you need to make the most informed decisions regarding your journey at our sixth Form.

In addition to your chosen courses all students will benefit from bespoke PHSE lessons, access to sports facilities and dedicated careers and university advice. In addition, all students will have the opportunity to complete the Extended Project Qualification (EPQ).

Each course overview outlines the following:

- What you will study on the course
- What skills you will develop
- An outline of the content you will study
- How you will be assessed
- The grades you need to attain to enrol on each course
- Recommended Reading
- What each course could lead to in regards to Higher Education or Work

Please do get in touch if you have any questions using the contact information on each overview.

Entry Requirements

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and usually a Grade 7 in the subject you wish to study, or the closest equivalent subject.

For BTEC subjects you must achieve at least 5 x Grade 5s, including English and Mathematics.

Where students wish to complete a mixed pathway of BTEC and A-Level subjects their full range of GCSE subjects and grades will be taken into account.

If you have any questions or would like to discuss your options please email admissions@felthamcollege.com to set up an appointment.

Please note that the availability of courses may vary from year to year and we reserve the right to amend the course offering, exam boards and units taught.



Courses

Biology

A-Level [pg.3](#)

Business

BTEC Level 3 National Extended Certificate [pg.5](#)

BTEC Level 3 National Diploma [pg.7](#)

BTEC Level 3 National Extended Diploma [pg.9](#)

Chemistry

A-Level [pg.11](#)

Economics

A-Level [pg.13](#)

English Literature

A-Level [pg.15](#)

Extended Project Qualification

AS-Level [pg.17](#)

Further Mathematics

AS-Level [pg.19](#)

A-Level [pg.21](#)

Geography

A-Level [pg.23](#)

Health and Social Care

BTEC Level 3 National Extended Certificate [pg.25](#)

BTEC Level 3 National Diploma [pg.27](#)

BTEC Level 3 National Extended Diploma [pg.29](#)

History

A-Level [pg.31](#)

Mathematical Studies

Certificate Level 3 [pg.33](#)

Mathematics

A-Level [pg.35](#)

Physics

A-Level [pg.37](#)

Psychology

A-Level [pg.39](#)

Religious Studies

A-Level [pg.41](#)

Sociology

A-Level [pg.43](#)

Spanish

A-Level [pg.45](#)

A-Level - AQA (7402)

Biology

Studying A-Level Biology allows you to develop your knowledge of living organisms and their interactions. You will consider how complex ecosystems can be supported to maintain biodiversity and begin to understand the complexities of inheritance and genetic advances in medicine. During the course you will complete a wide range of practicals with opportunities to travel to Hampton School to

access their equipment. Biology is a key requirement for medicine and a multitude of other courses such as pharmacology, biochemistry, biomedical engineering, research science, microbiology, marine biology, conservation, and ecology, environmental management, food science, agricultural engineering and zoology.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 2hrs	Biological molecules Cells Exchange surfaces Genetic variation	35% of A-Level	Year 13
Paper 2 1hr	Energy transfers Homeostasis and response Genetics and evolution Control of gene expression	35% of A-Level	Year 13
Paper 3 2hrs	All of above including an essay	30% of A-Level	Year 13



What skills will I develop?

- Essay writing skills to write a synoptic essay as part of paper 3 (a key skill for University study)
- Practical skills for which you will be awarded the 'practical endorsement'

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject. It is preferred that students attain a grade 7 in Mathematics GCSE if they wish to study this course. If you have studied GCSE Combined Science Trilogy, you need to have achieved a Grade 7-7.

Recommended reading:

- *Sapiens* - Yuval Noah
- *The Selfish Gene* - Richard Dawkins
- *The Vital Question* - Nick Lane
- *New Scientist Magazine* - varied articles about cutting edge science

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Extended Diploma Business

This BTEC is an applied general qualification and is widely recognised by both industry and higher education. **This qualification is worth the equivalent of up to 3 A-Levels.**

The content of the BTEC has been designed in collaboration with a range of employers and professional bodies and this ensures that your curriculum meets the needs of the sector. The curriculum is flexible and offers you a good balance of breadth and depth. This is an excellent option if you wish

to pursue a career in business and provides ample opportunity for you to put your learning into practice through work experience opportunities.

This course supports progression to business related degrees, as well as apprenticeships or employment. You can go on to study degrees such as business administration, international business and management and business studies at universities such as Leeds, Liverpool, and Surrey.

Content and Assessment Overview

Mandatory Units

Four units will be assessed by externally marked examinations:

1. Developing a Marketing Campaign
2. Personal and Business Finance
3. Principles of Management
4. Business Decision Making

Three units will be assessed by internally marked assignments:

1. Exploring Business
2. Managing an Event
3. International Business

Optional Units

You will study 5 optional units from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Extended Diploma: Business](#)



What skills will I develop?

- Knowledge and understanding of the Business environment
- Personal and Business Finance
- Marketing
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How will I be assessed?

- You will complete written examinations and set tasks.
- 42% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *The Google Story* – David A. Vise
- *How I Made It: 40 Successful Entrepreneurs Reveal How They Made Millions* – Rachel Bridge
- *No Logo* – Naomi Klein

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Diploma Business

This BTEC is an applied general qualification and is widely recognised by both industry and higher education. **This qualification is worth the equivalent of up to 2 A-Levels.** It supports access to a range of higher education courses if taken as part of a programme of study that includes other BTECs or A-Levels alongside it. The content of the BTEC has been designed in collaboration with a range of employers and professional bodies and this ensures that your curriculum meets the needs of the sector. The curriculum is flexible and offers you

a good balance of breadth and depth. This is an excellent option if you wish to pursue a career in business and provides ample opportunity for you to put your learning into practice through work experience opportunities. This course supports progression to business related degrees, as well as apprenticeships or employment. You can go on to study degrees such as business administration, international business and management and business studies at universities such as Leeds, Liverpool, and Surrey.

Content and Assessment Overview

Mandatory Units

Three units will be assessed by externally marked examinations:

1. Developing a Marketing Campaign
2. Personal and Business Finance
3. Principles of Management

Three units will be assessed by internally marked assignments:

1. Exploring Business
2. Managing an Event
3. International Business

Optional Units

You will study 2 optional units from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Diploma: Business](#)



What skills will I develop?

- Knowledge and understanding of the Business environment
- Personal and Business Finance
- Marketing
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How will I be assessed?

- You will complete written examinations and set tasks.
- 45% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *The Google Story* – David A. Vise
- *How I Made It: 40 Successful Entrepreneurs Reveal How They Made Millions* – Rachel Bridge
- *No Logo* – Naomi Klein

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Extended Certificate Business

This BTEC is an applied general qualification and is widely recognised by both industry and higher education. **This qualification is worth the equivalent of up to 1 A-Level.** It supports access to a range of higher education courses if taken as part of a programme of study that includes other BTECs or A-Levels alongside it. The content of the BTEC has been designed in collaboration with a range of employers and professional bodies and this ensures that your curriculum meets the needs of the sector. The curriculum is flexible and offers you

a good balance of breadth and depth. This is an excellent option if you wish to pursue a career in business and provides ample opportunity for you to put your learning into practice through work experience opportunities. This course supports progression to business related degrees, as well as apprenticeships or employment. You can go on to study degrees such as business administration, international business and management and business studies at universities such as Leeds, Liverpool, and Surrey.

Content and Assessment Overview

Mandatory Units

Two units will be assessed by externally marked examinations:

1. Developing a Marketing Campaign
2. Personal and Business Finance

One unit will be assessed by internally marked assignments:

1. Exploring Business

Optional Units

You will study 1 optional unit from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Extended Certificate: Business](#)



What skills will I develop?

- Knowledge and understanding of the Business environment
- Personal and Business Finance
- Marketing
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How will I be assessed?

- You will complete written examinations and set tasks.
- 58% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *The Google Story* – David A. Vise
- *How I Made It: 40 Successful Entrepreneurs Reveal How They Made Millions* – Rachel Bridge
- *No Logo* – Naomi Klein

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7405)

Chemistry

Studying Chemistry allows you to understand what is happening in the world around you. Chemists are inquisitive and seek to understand and utilise Earth's natural resources in the most effective and efficient ways possible.

Studying Chemistry gives you an excellent understanding of science and opens up a wealth of potential opportunities for further study or employment.

Chemistry is the subject you should study if you are interested in any of the following: materials science - could you design the next Kevlar?; pharmacology and drug design - could you invent the next wonder drug?; chemical engineering; medicine/ veterinary science/dentistry.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1: Inorganic and Physical Chemistry 2hrs	Relevant physical chemistry topics Inorganic chemistry Relevant practical skills	35% of A-Level	Year 13
Paper 2: Organic and Physical Chemistry 2hrs	Relevant physical chemistry topics Organic chemistry Relevant practical skills	35% of A-Level	Year 13
Paper 3 2hrs	Any content Any practical skills	30% of A-Level	Year 13



What skills will I develop?

Practical skills for which you will be awarded the 'practical endorsement'.

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject. It is preferred that students attain a grade 7 in Mathematics GCSE if they wish to study this course. If you have studied GCSE Combined Science Trilogy, you need to have achieved a Grade 7-7.

Recommended reading:

- *New Scientist Magazine* - varied articles about cutting edge science
- *A Short History of Nearly Everything* - Bill Bryson
- *Periodic Tales: The Curious Lives of the Elements* - Hugh Aldersey-Williams
- *The Science of Everyday Life* - Marty Jopson
- *It's Not Rocket Science* - Ben Miller

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A Level – Edexcel (9EC0)

Economics

This course will develop your interest in, and enthusiasm for, Economics. You will appreciate the contribution of economics to the wider economic and social environment and develop an understanding of a range of concepts. You will develop an approach to the study of economics which is enquiring, critical and thoughtful. As you progress through the course you will understand

that economic behaviour can be studied from a range of perspectives and you will develop analytical and quantitative skills, which together with qualities and attitudes will equip you for success in this course and beyond it. People who study Economic on to a wide range of careers such as: financial analysts, business consultants, entrepreneurs, lawyers and journalists.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 2hrs	Markets and business behaviour	35% of A-Level	Year 13
Paper 2 2hrs	The national and global economy	35% of A-Level	Year 13
Paper 3 2hrs	Microeconomics and macroeconomics	30% of A-Level	Year 13



What skills will I develop?

- Awareness of current economic events, policies and politics
- Ability to decipher complex information and use models and theories to help explain it
- Ability to work interchangeably with numerical and written data
- Understanding of international and national economics including poverty and inequality

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject. It is preferred that students attain a grade 7 in Mathematics GCSE if they wish to study this course.

Recommended reading:

- *The Undercover Economist* – Tim Harford
- *Freakonomics* – Steven Levitt
- *The Financial Times* newspaper
- *The Economist* magazine

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - Edexcel (9ET0)

English Literature

The English Literature A-Level course will develop your enjoyment of reading, teaching you to critically analyse texts, considering their contexts and possible meanings. As you progress through the course you will have the opportunity to explore a range of authors, genres, time periods and critical concepts. The Non-Examination Assessment component will allow you to put the knowledge and skills you've gained into practice as you research and complete your own

2500-word comparative essay on texts and a topic of personal interest. English Literature students will be expected to form and confidently share their own interpretations of the texts we read, as well as complete independent wider reading. English Literature is an A-Level extremely well-regarded by all universities and which will demonstrate that you are able to read widely and independently and develop your own interpretations of different texts.

Content and Assessment Overview

Paper	Text	Weighting	When
Drama - Paper 1 2hrs, 15mins	Othello, Shakespeare, A Streetcar Named Desire, Williams	30% of A-Level	Year 13
Prose - Paper 2 1hr, 15mins	Dracula, Stoker, Beloved, Morrison	20% of A-Level	Year 13
Poetry - Paper 3 2hrs, 15mins	Poems of the Decade, modern poetry anthology, Medieval Poetry, Chaucer's Wife of Bath Prologue and Tale	30% of A-Level	Year 13
Non-Examination Assessment	Free choice of two texts	20% of A-Level	Year 12/13



What skills will I develop?

- Understanding of the mathematics that underpin many aspects of our lives
- The ability to apply a range of mathematical skills to different situations
- Acute logical thinking and problem-solving abilities
- The ability to process, interpret and analyse information.

What do I need to achieve?

For English Literature A-Level you must achieve 6 x Grade 6s, including Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *Seventeen Equations that Changed the World* - Ian Stewart
- *Professor Stewart's Cabinet of Mathematical Curiosities* - Ian Stewart
- *From 1 to Infinity in 26 Centuries: The Extraordinary Story of Mathematics* - Chris Waring

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

AS-Level - AQA

Extended Project Qualification (EPQ)

If you are interested in creating a project that explores a topic, question or problem that you are passionate about, then the EPQ is for you!

The EPQ is an opportunity to independently create, plan and manage a project that you want to find out more about. In the process you will be taught university-level research skills, get the chance to develop a professional relationship with a supervisor, and gain a qualification worth a whole AS level.

Previous, high-quality EPQs have addressed the influence of hip hop on gun crime in Chicago or whether new medical techniques can be used to edit the human genome. In some cases, EPQs have lowered University offers

or provided crucial UCAS points for applications.

Your EPQ may inspire your post-sixth form choices as you research and write about a topic or problem that takes your interest. The academic writing and research skills you gain are useful for any University courses, and the EPQ qualification may supplement your A-Level qualifications to help you secure an offer. Finally, your research for the EPQ will deepen your knowledge and give you concrete, relevant experiences to talk about during interviews after Sixth Form.

This course is designed to be taken alongside x3 full A-Levels or equivalent.

What content will I cover?

During your taught EPQ sessions, you will cover:

- Finding and evaluating sources critically
- How to form and develop a professional relationship with your supervisor
- How to project manage over a series of weeks and months



What skills will I develop?

- Ability to independently create and plan a project from scratch, managing it from start to finish
- Develop research skills
- Develop a professional relationship with supervisor

How will I be assessed?

In the EPQ you are assessed on the final project submission (the project itself and a presentation on the project) as well as your production log completed throughout the project. You are assessed on your ability to manage a project, obtain and select resources for your research, develop and realise a range of skills and to review and evaluate your own learning and performance.

Your EPQ could take the form of an academic report (most popular), action research, a community action project or a practical performance.

You must produce a 5,000-word for academic report or action research project, or a 1,000 word written report if the EPQ is a community action project or practical performance, rather than a research project.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

AS-Level - Edexcel (8FM0)

Further Mathematics

A-level Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills developed when studying A-level Mathematics. It may be studied alongside or after taking A-level Mathematics and provides a stimulating experience if you love the subject.

With Further Mathematics A-Level you will gain skills applicable to any degree.

Many students who study Further Mathematics study Mathematics at degree level. Other degrees that you'd be well skilled to study include Engineering, Sciences, Computing, Finance and Economics.

This course will be taken in addition to your x3 A-Levels.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1: 1hr, 40mins	Core Pure Mathematics	50% of A-Level	Year 12
Paper 2: 1hr, 40mins	Further Mathematics Options 1&2	50% of A-Level	Year 12



What skills will I develop?

- Understanding of the mathematics that underpin many aspects of our lives
- The ability to apply a range of mathematical skills to different situations
- Acute logical thinking and problem-solving abilities
- The ability to process, interpret and analyse information.

What do I need to achieve?

Alongside 6 x Grade 6s or above including 6s in English, you must achieve a Grade 9 in Mathematics at GCSE OR 8-8 in GCSE Mathematics and AQA-Level 2 Certificate in Further Mathematics.

Recommended reading:

- *The Simpsons and their Mathematical Secrets* - Simon Singh
- *The Music of the Primes: Why an Unsolved Problem in Mathematics Matters* - Marcus Du Sautoy
- *How to Think Like a Mathematician* - Kevin Houston

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - Edexcel (9FM0)

Further Mathematics

A-level Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills developed when studying A-level Mathematics. It may be studied alongside or after taking A-level Mathematics and provides a stimulating experience if you love the subject.

With Further Mathematics A-Level you will gain skills applicable to any degree. Many students who study Further Mathematics study Mathematics at degree level. Other degrees that you'd be well skilled to study include engineering, sciences, computing, finance and economics.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1: 1hr, 30mins	Core Pure Mathematics	25% of A-Level	Year 13
Paper 2: 1hr, 30mins	Core Pure Mathematics	25% of A-Level	Year 13
Paper 3: 1hr, 30mins	Further Mathematics Option 1	25% of A-Level	Year 13
Paper 4: 1hr, 30mins	Further Mathematics Option 2	25% of A-Level	Year 13



What skills will I develop?

- Understanding of the mathematics that underpin many aspects of our lives
- The ability to apply a range of mathematical skills to different situations
- Acute logical thinking and problem-solving abilities
- The ability to process, interpret and analyse information.

What do I need to achieve?

Alongside 6 x Grade 6s or above including 6s in English, you must achieve a Grade 9 in Mathematics at GCSE OR 8-8 in GCSE Mathematics and AQA-Level 2 Certificate in Further Mathematics.

Recommended reading:

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- *The Music of the Primes: Why an Unsolved Problem in Mathematics Matters* - Marcus Du Sautoy
- *How to think like a Mathematician* - Kevin Houston

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7037)

Geography

The Geography A-Level course will excite your minds, challenge perceptions and stimulate your investigative and analytical skills.

The units reflect today's modern world and provide you with knowledge to understand the physical and human processes that shape economies, influence politics and determine levels of development. Studying Geography allows you to explore and understand

some of the major issues facing our global community, including climate change, inequality and conflict. Such a broad topic base coupled with a focus on written communication and data analysis will support university applications for many diverse subjects including: economics, sociology, politics, architecture, ecology, geology, atmospheric science as well as geography of course!

Content and Assessment Overview

Paper	Units	Weighting	When
Paper 1 - Physical Geography	Water and carbon cycles Hot desert systems and landscapes Hazards - volcanoes, tsunamis, wildfires and tropical storms.	40% of A-Level	Year 13
Paper 2 - Human Geography	Global systems and global governance Population and the environment Changing places	40% of A-Level	Year 13
Paper 3 - Non-Examination Assessment	A research project of your choice based on one of the topics studied for Paper 1 or Paper 2.	20% of A-Level	Year 12/13



What skills will I develop?

- Statistical analysis skills
- Data presentation and interpretation skills
- Evaluation and argumentation skills
- Cartographical (map) skills

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *Origins: How the Earth Shaped Human History* - Lewis Dartnell
- *Prisoners of Geography: Ten Maps That Tell You Everything You Need to Know About Global Politics* - Tim Marshall.
- *All We Can Save: Truth, Courage and Solutions for the Climate Crisis* - Ayana Elizabeth Johnson

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Extended Certificate

Health and Social Care

This qualification allows you to gain an in depth insight into the Health and Social Care sector. **This is an applied qualification and is worth the equivalent of up to 1 A-Level.** It supports access to a range of higher education courses if taken as part of a programme of study that includes other BTECs or A-Levels alongside it. This course will provide you with a clear grounding of the theory behind

work in the health and social care sector, as well as practical skills and experiences! This course supports progression to any health and social care related degree, a related apprenticeship or employment. You can go on to study degrees in nursing, midwifery, social policy and health studies at excellent universities such as Nottingham, Birmingham, Sheffield and King's College, London.

Content and Assessment Overview

Mandatory Units

Two units will be assessed by externally marked examinations:

1. Human Lifespan Development
2. Working in Health and Social Care

One unit will be assessed by internally marked assignments:

1. Meeting Individual Care and Support Needs

Optional Units

You will study 1 optional units from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Diploma: Health and Social Care](#)

Or scan the below QR code.



What skills will I develop?

- Knowledge and understanding of Health and Social Care
- Practical and technical skills
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How Will I be assessed?

- You will complete written examinations and set tasks.
- 46% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *Social Work: An Introduction to Contemporary Practice* – Sarah Banks
- *A Trick of the Light* – Lois Metzger
- *Three Little Words* – Ashley Rhodes Courter
- *British Journal of Social Work*

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Diploma

Health and Social Care

This qualification allows you to gain an in depth insight into the Health and Social Care sector. **This is an applied qualification and is worth the equivalent of up to 2 A-Levels.** It supports access to a range of higher education courses if taken as part of a programme of study that includes another BTEC or A-Level alongside it. This course will provide you with a clear grounding of the theory behind

work in the health and social care sector, as well as practical skills and experiences! This course supports progression to any health and social care related degree, a related apprenticeship or employment. You can go on to study degrees in nursing, midwifery, social policy and health studies at excellent universities such as Nottingham, Birmingham, Sheffield and King's College, London.

Content and Assessment Overview

Mandatory Units

Three units will be assessed by externally marked examinations:

1. Human Lifespan Development
2. Working in Health and Social Care
3. Enquiries into Current Research in Health and Social Care

Three units will be assessed by internally marked assignments:

1. Meeting Individual Care and Support Needs
2. Principles of Safe Practice in Health and Social Care
3. Promoting Public Health

Optional Units

You will study 3 optional units from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Diploma: Health and Social Care](#)

Or scan the below QR code.



What skills will I develop?

- Knowledge and understanding of Health and Social Care
- Practical and technical skills
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How Will I be assessed?

- You will complete written examinations and set tasks.
- 46% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *Social Work: An Introduction to Contemporary Practice* – Sarah Banks
- *A Trick of the Light* – Lois Metzger
- *Three Little Words* – Ashley Rhodes Courter
- *British Journal of Social Work*

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

BTEC Level 3 National Extended Diploma Health and Social Care

This qualification allows you to gain an in depth insight into the Health and Social Care sector. **This is an applied qualification and is worth the equivalent of up to 3 A-Levels.** As part of your BTEC you will be required to undertake at least 100 hours of work experience in at least three different settings. This course will provide you with a clear grounding of the theory behind work in the health and

social care sector, as well as practical skills and experiences! This course supports progression to any health and social care related degree, a related apprenticeship or employment. You can go on to study degrees in nursing, midwifery, social policy and health studies at excellent universities such as Nottingham, Birmingham, Sheffield and King's College, London.

Content and Assessment Overview

Mandatory Units

Four units will be assessed by externally marked examinations:

1. Human Lifespan Development
2. Working in Health and Social
3. Care Anatomy and Physiology for Health and Social Care
4. Enquiries into Current Research in Health and Social Care

Four units will be assessed by internally marked assignments:

1. Meeting Individual Care and Support Needs
2. Work Experience in Health and Social Care
3. Principles of Safe Practice in Health and Social Care
4. Promoting Public Health

Optional Units

You will study 4 optional units from a selection provided by the exam board. The option units may vary from year to year depending on staff interests and expertise.

The full specification can be found here:

[BTEC Level 3 National Extended Diploma: Health and Social Care](#)

Or scan the below QR code.



What skills will I develop?

- Knowledge and understanding of Health and Social Care
- Practical and technical skills
- Vocational behaviours and skills such as communication, teamwork, research and analysis

How Will I be assessed?

- You will complete written examinations and set tasks.
- 42% of the course is externally assessed.

The rest of your units are internally assessed as you complete the course.

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *Social Work: An Introduction to Contemporary Practice* – Sarah Banks
- *A Trick of the Light* – Lois Metzger
- *Three Little Words* – Ashley Rhodes Courter
- *British Journal of Social Work*

How can I find out more?

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A-Level - AQA (7402)

History

History is the study of past events. In History A-Level you will learn about 2 periods of history in depth with one focusing on British history and the other focusing on world history. You will also have the opportunity to complete your own independent study of a period over 100 years. The study of history will not only inform you of past events but also help you understand why the world has developed in the way it has.

With History A-Level you could go on to study a wide range of degrees, in particular politics, history, law, sociology, philosophy, ethics, advertising or journalism. History is also highly regarded by employers in industries including politics, international organisations, the media, government, teaching, law and the civil service.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 2hrs, 30mins	Breadth study The Tudors (1485-1603)	40% of A-Level	Year 13
Paper 2 2hrs, 30mins	Depth study Germany: Democracy and Nazism (1918-45)	40% of A-Level	Year 13
Historical investigation	African American Civil Rights (1863-1981)	20% of A-Level	Year 12



What skills will I develop?

- Knowledge and understanding of key events and periods within history.
- The ability to critically analyse, interpret and evaluate historical sources
- The ability to critically analyse, interpret and evaluate a range of historical interpretations

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *The Tudor Century* - I. Dawson
- *The Triumph of Elizabethan Britain* - M. Tillbrook
- *The Nazis: A Warning From History* - L. Rees
- *Democracy and Nazism: Germany 1918-1945* - R. Whitfield

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

Certificate Level 3 - AQA (1350)

Mathematical Studies

The Level 3 Core Mathematics course consists of higher level mathematics applied to real world contexts. Data analysis in the exams is done on real data - in 2018 students analysed the Brexit referendum results!

Over this course you will learn how to collect and analyse data; solve problems involving financial mathematics (taxes, mortgages, interest rates); begin to mathematically model situations and projects; and critically analyse mathematical arguments.

This course is perfect for people that need to be adept at applied

mathematics for their other subjects and future careers (e.g. financial Mathematics for accountancy, data analysis for business) but don't necessarily need to know lots of theoretical mathematics.

You can use L3 Core Mathematics to improve your application to a variety of science and humanities courses such as sociology, business, accounting and health & social care.

This course is designed to be taken alongside x3 full A-Levels or equivalent.

What content will I cover?

Paper	Topics	Weighting	When
Paper 1: 1hr, 30mins	Analysis of data Mathematics for personal finance Estimation	50% of A-Level	Year 13
Paper 2B: 1hr, 30mins	Critical analysis of data and models Critical path and risk analysis Expectation Cost benefit analysis	50% of A-Level	Year 13



What skills will I develop?

- Understanding and application of statistical techniques, interpreting data and drawing conclusions in the solution of problems
- A strong understanding of the formulae and calculations required to solve problems relating to personal finance, including tax/national insurance, AER/APR, student loans and currency exchange
- Become familiar with and gain confidence in ideas concerning the formulation of mathematical models.
- The ability to critically analyse data representation and models used in newspaper articles and scientific reports
- Confidence and competence in the understanding and application of mathematical modelling to solve problems related to decision making and the planning of projects

What do I need to achieve?

You need at least 5 x Grade 5s or above including 5s in English and Mathematics.

Recommended reading:

- *Seventeen Equations that Changed the World* - Ian Stewart
- *Bad Science* - Ben Goldacre

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - Edexcel (9MA0)

Mathematics

An A-Level in Mathematics introduces calculus and its applications (statistics and mechanics). It emphasises how mathematical ideas are interconnected and how mathematics can be applied to model situations mathematically using algebra and other representations, to help make sense of data, to understand the physical world and to solve problems in a variety of contexts, including social sciences and business. It prepares learners for further study

and employment in a wide range of disciplines involving the use of mathematics. It encourages you to think and act mathematically, using mathematical skills and forms of communication to analyse situations within mathematics and elsewhere. Mathematics A-Level prepares you to study for most degrees: Mathematics, accounting, engineering, sciences, computing, finance and economics degrees are particularly appealing to students with Mathematics A-level.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 2hrs	Pure Mathematics	33% of A-Level	Year 13
Paper 2 2hrs	Pure Mathematics	33% of A-Level	Year 13
Paper 3 2hrs	Section A: Statistics	16.6% of A-Level	Year 13
	Section B: Mechanics	16.6% of A-Level	



What skills will I develop?

- Understanding of the mathematics that underpin many aspects of our lives
- The ability to apply a range of mathematical skills to different situations
- Acute logical thinking and problem-solving abilities
- The ability to process, interpret and analyse information.

What do I need to achieve?

For Mathematics A-Level you must achieve 6 x Grade 6s, including English and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *Seventeen Equations that Changed the World* - Ian Stewart
- *Professor Stewart's Cabinet of Mathematical Curiosities* - Ian Stewart
- *From 1 to Infinity in 26 Centuries: The Extraordinary Story of Mathematics* - Chris Waring

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7408)

Physics

A-level Physics allows students to appreciate how fundamental Science works and to study optional topics that particularly interest them – including Astrophysics, Medical Physics and Applied Physics. A-level Physics builds on the concepts and skills developed in the Physics GCSE and is particularly suitable for students who have the skills and knowledge associated with a GCSE Additional Science course or equivalent. Physics is a seriously useful subject for the majority of STEM

(Science, Technology, Engineering & Mathematics) careers and you'll find physicists everywhere, in industry, transport, government, universities, the armed forces, the secret service, games companies, research labs and more. Ultimately an A-Level in physics can take you anywhere; it shows that you are hard-working and logical with an ability to clearly understand and grapple with complex problems, inside and outside of physics.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 2hrs	Periodic motion	34% of A-Level	Year 13
Paper 2 2hrs	Thermal Physics	34% of A-Level	Year 13
Paper 3 2hrs	Practical skills and data analysis + option choice	32% of A-Level	Year 13



What skills will I develop?

- Knowledge and Understanding of how things work in the world around you.
- Problem solving applicable across a range of disciplines.
- Analysis and evaluation of complex data.
- Structured and professional report writing, transferable to any other area outside of physics.

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject. It is preferred that students attain a grade 7 in Mathematics GCSE if they wish to study this course. If you have studied GCSE Combined Science Trilogy, you need to have achieved a Grade 7-7.

Recommended reading:

- *New Scientist*
- *A Short History of Nearly Everything* - Bill Bryson
- *A Brief History of Time* - Stephen Hawking
- *Why does $E=mc^2$?* - Brian Cox and Jeff Forshaw

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7182)

Psychology

If you are interested in understanding how people think, feel and behave then Psychology A-Level is the course for you! You will learn about different psychological approaches such as social, cognitive, developmental and biological psychology and you will explore these through exploring a range of topics. You will also study psychological research methods and analyse the results of

experiments and data. This A-Level is excellent preparation for a degree in Psychology, the sciences and social sciences. Psychology can also lead to a huge range of careers including occupational, clinical, educational and forensic psychology as well as medicine, counselling, teaching and broadcasting and advertising.

Content and Assessment Overview

Paper	Units	Weighting	When
Paper 1: Introductory topics in Psychology 2hrs	Social influence Memory Attachment Psychopathology	33.3% of A-Level	Year 13
Paper 2: Psychology in Context 2hrs	Approaches in Psychology Biopsychology Research methods	33.3% of A-Level	Year 13
Paper 3: Issues and options in Psychology 2hrs	Issues and debates in Psychology Options: Relationships; schizophrenia; forensic psychology	33.3% of A-Level	Year 13



What skills will I develop?

- A01: Knowledge and understanding of psychological ideas, processes, techniques and procedures
- A02: Application of this knowledge in theoretical contexts, practical contexts, when handling data
- A03: Analysis, interpretation and evaluation of ideas and evidence to make judgements

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *The Man Who Mistook His Wife For a Hat* – Oliver Sacks
- *Prozac Nation* – Elizabeth Wurtzel
- *One Flew Over the Cuckoo's Nest* – K. Kesey
- *Genie: A Scientific Tragedy* – R. Rymer
- *Obedience to Authority* – Stanley Milgram

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7062)

Religious Studies

Religious Studies is the study of the different faiths and beliefs that make up our world. In Religious Studies A-Level you will learn about the philosophy of religion and how religion has responded to key relevant ethical questions. You will also learn about different religions in depth before applying these teachings to the philosophical and ethical issues studied previously. If you enjoyed the study of religious philosophy and ethics at GCSE level, enjoy discussing current affairs and issues, would like to know more about the world and want to develop skills that can be

used beyond the study of religion then religious studies would be a great A-Level choice for you.

With Religious Studies A-Level you could go on to study a wide range of degrees and work in a wide range of industries. For example, politics, international relations, history, law, sociology, philosophy, ethics, religion and theology, medicine, education and media. This A-Level is also highly regarded by employers within many industries.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1 3hrs	Philosophy of religion and ethics	50% of A-Level	Year 13
Paper 2 3hrs	Study of religion and dialogues	50% of A-Level	Year 13



What skills will I develop?

- Knowledge and understanding of religion, belief, philosophical/ethical thought and teaching, similarities/differences between religions.
- The ability to critically analyse, interpret and evaluate approaches to religion and belief, including influence and significance.

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- AQA A-Level Religious Studies - John Frye
- What Does it all Mean? - Thomas Nagel
- The Thinker's Guide to God - Blackburn
- The Thinker's Guide to Evil - Vardy

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7190)

Sociology

Sociology is the systematic study of human society. In Sociology A-Level you will learn about different sociological theories of society, and you will apply them to answer questions ranging from: 'Is religion still important in the UK' to 'Are families still patriarchal?'

Throughout your studies you will also acquire knowledge of different research methods that sociologists use to better understand the social world. If you like to think about things from many perspectives, and if you are

interested in people and the world in which we live, then this is an excellent course for you!

With Sociology A-Level you could go on to study almost any degree. If you loved the A-Level you might want to particularly consider undergraduate degrees in sociology, politics, psychology, criminology, history or english. Sociology could also lead you to many careers which may include: politics, teaching, law, social work and healthcare.

Content and Assessment Overview

Paper	Units	Weighting	When
Paper 1 2hrs	Education with theory and methods	33.3% of A-Level	Year 13
Paper 2 2hrs	Topics in sociology: families and households and beliefs in society	33.3% of A-Level	Year 13
Paper 2 2hrs	Crime and deviance with theories and methods	33.3% of A-Level	Year 13



What skills will I develop?

- Knowledge and Understanding of sociological material
- Application of sociological material to a range of issues
- Analysis and evaluation of sociological material to present arguments and draw conclusions

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *Chavs: The Demonization of the Working Class* - Owen Jones
- *Living Dolls: The Return of Sexism* - Natasha Walter
- *The News*: society is constantly changing so reading a quality newspaper (e.g. The Guardian, The Telegraph, The Independent, The Times) each week is vital along with watching the news every day.

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.

A-Level - AQA (7692)

Spanish

If you are keen to become fluent in one of the world's most widely-spoken languages as well as demonstrate your ability to succeed in a broad and challenging subject, Spanish is the A-Level for you. You'll have the unique

opportunity to use your language skills during a trip to Spain in addition to learning about the current affairs, politics, history and culture of the entire Spanish-speaking world.

Content and Assessment Overview

Paper	Topics	Weighting	When
Paper 1: Listening, reading and writing 2hrs, 30mins	Spanish speaking society: current trends. Artistic culture in the hispanic world. Aspects of political life in the Spanish-speaking world. Grammar.	50% of A-Level	Year 13
Paper 2: Writing 2hrs	A question in Spanish on: A set film A set text	20% of A-Level	Year 13
Paper 3: Speaking 21-23mins, including 5mins preparation time.	Individual research project Hispanic society: trends and issues Artistic culture and multiculturalism in the hispanic world Aspects of political life	30% of A-Level	Year 13



What skills will I develop?

- Fluency in spoken and written Spanish
- Analytical and critical thinking skills to evaluate opinions, trends and current affairs
- Debating skills
- Wide-ranging cultural awareness

What do I need to achieve?

For all A-Level subjects you must achieve 6 x Grade 6s, including English and Mathematics and at least a Grade 7 in the subject you wish to study, or the closest equivalent subject.

Recommended reading:

- *La Casa de Bernarda Alba* - Federico García Lorca
- *Crónica de Una Muerte Anunciada* - Gabriel García Márquez
- *Como Agua Para Chocolate* - Laura Esquivel
- *Réquiem Por un Campesino Español* - Ramón J. Sender

How can I find out more?

If you would like to find out more information please email: admissions@felthamcollege.com.



53-55 High Street
Feltham
TW13 4AB
T: 020 8893 1099
E: admissions@felthamcollege.com