

# 6th Form Prospectus

## 2008 - 2009



# Cardinal Hume Catholic School

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Head of Sixth Form: Ms. S. Napthen  
Asst. Head of Sixth Form: Mrs J. Lawson  
Chair of Governors: Fr. A. Duffy

Welcome to our new look Sixth Form prospectus for the Academic Year 2008 – 2009.

We hope you will find it informative.

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# The Sixth Form at Cardinal Hume Catholic School

## SECTION 1

### 10 Good reasons why you should consider the Sixth Form at Cardinal Hume Catholic School:

#### 1. WIDE CHOICE OF COURSES

Students in the Sixth Form can choose from 14 different Vocational courses and 14 different A Level courses.

**Vocational courses** are more work related in delivery and have few, if any, exams. Assignment work is completed by the student and submitted as unit evidence for assessment by the subject teacher. The unit of work is then moderated by an external visiting Moderator. Vocational subjects may be studied as 6 (equivalent to 1 A level ) or 12 (equivalent to 2 A Levels) unit courses in the following subjects:

Art	Science
Business	Sport
Health + Social Care	Travel + Tourism
I.T.	

Students usually take a total of 18 units of Vocational courses in Y12.

**A level subjects** are for students who wish to pursue a more academic study of a subject. They are assessed through exams in Y12 and Y13, they may also contain a coursework component.

These are offered in the following subjects:

Art	History
Biology	Maths
Chemistry	Further Maths
Design + Technology: Product Design	Modern Foreign Languages: French/Spanish
English Language	
English Literature	Physics
Geography	Theology

Students usually take 4 AS levels in Y12.

Alternatively, students may combine Vocational and A Level courses in Y12.

## 2. SUITABLE PROGRESSION

We offer these course in the Sixth Form because we know what subjects you have studied in your GCSEs and GNVQs and we want to provide you with suitable routes for progression.

Once you have successfully completed your chosen Sixth Form courses the qualifications you have gained will give you access to University, Further Education, Advanced Modern Apprenticeships and Employment.

### Y13 STUDENT DESTINATIONS 2005

CATEGORY	% of year group
Higher Education (University)	61
Employment	37
Further Education	2
Advanced Modern Apprenticeships	0

## 3. TEACHING STAFF + SIXTH FORM STUDENTS

In response to our student questionnaire, many sixth formers commented on the individual support and tuition they get from the teaching staff:

**'The courses are fun and challenging and if I do not understand something the teachers will help me until I do understand'**

Students like the fact that classes are small and that they do get a lot of personal help with their academic studies. Subject teachers monitor all their students on a weekly basis, making a return to the Head of Sixth Form. This ensures that we spot issues immediately and support students to be successful at all times.

Students also felt strongly enough to comment about themselves:

**'I like how the year group has become a closer unit and everyone is more sociable with people they did not associate with last year'**

## 4. MODULAR ASSESSMENT

At the start of Y12 each student is given Target Grades for every Vocational and/or A level subject they study in the Sixth Form. These take into account their own GCSE and GNVQ results in Y11. Ten weekly Modular Assessment continues in the Sixth Form and gives students and parents/guardians, the opportunity to receive regular updates on their current performance in their chosen subjects. It also helps students judge whether or not they are on course to achieve their Target Grade in that subject.

Self-analysis of their Modular Assessment data is encouraged in the Sixth Form and facilitated by 1:1 interviews with your pastoral tutor. This process continues throughout the two years in the Sixth Form.

## 5. PASTORAL CARE

'A strong feature of the Sixth Form is the Pastoral care you receive as a student:

**'there is always someone you can ask for advice, like your tutor'**

Students will usually stay with the same tutor for their two years in the Sixth Form. This means there is always someone who has a good knowledge of your skills, strengths and weaknesses and is best placed to advise you on career options and work habits.

## 6. ENRICHMENT ACTIVITIES

On Friday afternoons in Y12, students take part in an Enrichment Programme.

They have a range of options which they choose to participate in over the course of the year.

These are expected to include:

- **COMMUNITY PLACEMENT:** an opportunity to complete a placement of your choice at a local Primary school, in-class support or at Help the Aged.
- **ICT COURSE:** a chance to develop your skills to meet the demands of your studies.
- **RE:** students complete a certificated course in RE that develops their moral and ethical awareness of the world in which they live. This is a national requirement of Post-16 education.
- **SPORT:** a chance to get fit and look after your mental health using the school's own fantastic sports hall.
- **ORACLE:** a nationally recognised ICT course.
- **PHOTOGRAPHY:** everything you want to know about digital photography.
- **CULTURE:** an opportunity to visit local galleries and museums.

At the same time students are encouraged to get involved with a range of enrichment activities throughout the school year. This year, these have included:

- **BOOK FRIENDS:** providing reading support to Y7
- **MATHS BUDDIES:** giving Maths support to Y7-9
- **CHARITY GROUP:** organising whole school charity fundraisers
- **GAMES GROUP:** socialising and supporting pupils in Y7+8
- **HOMEWORK CLUB:** assisting pupils with homework

Many departments will also provide subject-specific enrichment activities such as:

- Lectures at Universities
- Business Challenge days
- 'Gear Up' for Employability skills
- Work-related visits to name but a few

## 7. PRIVILEGES

**'I like the way that you can work independently in your Private Study time and that we have privileges so you are able to feel more like an adult in school'**

Sixth Form students are expected to act as ambassadors for the school at all times and are therefore given more responsibility within the school environment as we try to prepare them for more independence at University or in Employment.

They each sign a Learning Agreement that outlines our expectations of them as a student in Cardinal Hume Catholic Sixth Form. At the same time we state what we will provide them in order to help them complete their education successfully in the Sixth Form.

A copy of this document is included at the end of this section.

## 8. PRIVATE STUDY TIME

Sixth Formers attend 4 teacher-led lessons for every A Level or 6 unit Vocational subject they study. This means that they have lessons of un-timetabled, independent study time. This gives students the opportunity to start homeworks or complete directed study time tasks in school using the Library, Work room or Sixth Form ICT facilities. Alternatively, with parental permission, they also have the privilege of taking 3 lessons of negotiated Home Study Leave (in the afternoons only) to complete Independent Study.

## 9. POST-18 CAREERS ADVICE

We want all our Sixth Form students to be aware of the choice of opportunity their qualifications will give them. So very early on we start to actively encourage them to think about what careers they are interested in and how to achieve them. They all receive a Connexions interview in Y12 and Y13.

**'they are always trying to help you to plan good and achievable careers for the future'**

We extend our Enrichment Programme in the Summer term of Y12 to look at all the Post-18 options available. As a result every student will get the chance to visit local Universities, attend Open days, participate in Taster days and hear from a range of guest speakers from real working environments.

## 10. EMA

All Post-16 students who stay on in full-time education are entitled to apply for a means-tested Educational Maintenance Allowance of up to £30 per week plus termly bonuses throughout the year. In the Sixth Form we make sure that you receive the necessary forms and advice in Y11 and that attendance data is reported efficiently on a weekly basis so that you receive your payments regularly.

## and 2 more GOOD reasons.....

### 11. RESULTS

As the 'most-improved' school in Gateshead with respect to exam results we are confident that we will continue to achieve a 100% Pass rate for Sixth Form students on both Vocational and A Level courses.

### 12. FACILITIES

With the brand new school building opened in September 2007, it goes without saying that facilities have improved tremendously. Students now have access to more ICT facilities, a Learning Resource Centre, a new Sixth Form area, personal lockers and new subject teaching rooms and work spaces.



If you do have any questions you wish to ask,  
please do not hesitate to contact:

Head of Sixth Form: Ms. S. Napthen  
Asst. Head of Sixth Form: Mrs. J. Lawson



# Cardinal Hume Catholic School

## Sixth Form - Student Learning Agreement

Post-16 education is voluntary so it is important that you make a full commitment to achieving success on your chosen courses. This Learning Agreement is drawn up to give you the best opportunity for success.

### STUDENT AGREEMENT

All students agree to:

- 95% attendance for the academic year (ie. 8 days of authorised absence only, including family holidays)
- Attend all timetabled lessons, morning registration, tutor periods, enrichment, masses and assemblies.
- Complete all independent learning tasks, homework and coursework set by staff and hand them in to meet deadlines issued by staff.
- Make good use of non-contact time in school by using the Library and Sixth Form quiet work areas to complete work set.
- Inform and seek advice from your subject teacher, tutor or Head of Sixth Form if you are having difficulty with any aspect of your studies.
- Accept a shared responsibility with others in the Sixth Form for good conduct in school and for careful upkeep of Sixth Form areas.
- Adopt a sensible, mature attitude in relationships with staff.
- Accept a general responsibility for giving leadership and example to younger pupils and fellow students.
- Wear the Sixth Form uniform: white shirt/blouse, black V-neck jumper (to be worn at all times), black trousers/skirt, Sixth Form tie, black sensible shoes, girls-one pair of sleeper or stud earrings, boys-one sleeper or stud earring. No trainers, denim or extreme haircuts/jewellery, no facial piercings to be worn. Extreme hair cuts and colours are unacceptable.
- Accept a shared responsibility with others in the Sixth Form for good conduct in school and for careful upkeep of Sixth Form areas.
- Limit part-time work to 10 hours per week.
- Not take holidays during term-time.
- Abide by all school regulations.

### SCHOOL AGREEMENT

The school agrees to:

- Provide teaching and homework for all subjects throughout the academic year.
- Provide you with a Tutor who will meet with you to discuss your academic and personal progress in the Sixth Form.
- Provide you with Modular Assessment Data so you can monitor your progress.
- Provide Parental Reports on academic progress in the Sixth Form.
- Provide information and advice on Post-18 Options: Employment, Further and Higher Education including UCAS and careers information.
- Provide enrichment opportunities for extra-curricular involvement in sporting and community activities.



### SIXTH FORM PRIVILEGES

These privileges are only available to sixth form students as long as they adhere to this Learning Agreement:

- **Sixth Form Area:** students may use this area for socialising or work during non-contact lessons.
- **Lunchtime:** Sixth Formers may leave the school site at lunchtimes.
- **Supervised Study:** will be completed to develop Study Skills for Higher Education and Employment.
- **Independent Study:** students have ICT access to the Learning Resource Centre for silent Independent Study during non-contact lessons
- **Afternoon Home Study Leave:** 3 periods a week for Independent Study at home.
- **Cafeteria in the Atrium** may be used for quiet work or discussion in non-contact lessons.

### UNACCEPTABLE CONDUCT

- Failing to abide by school rules
- Leaving the school site without permission before 12.15pm
- Smoking on the school site, entrance, roads leading to school site and public transport to and from school
- Allowing visitors on site without staff permission
- Using mobile phones and i-pods/MP3 players etc in lessons, in the atrium or around the school site
- Eating and drinking in the Sixth Form areas at break and lunchtime
- Playing cards

As a Sixth Form student, I have made a clear choice to continue my education at school. This choice involves obligations from both me and the school.

The student has signed this agreement to uphold these obligations.

**STUDENT SIGNATURE :** .....

**PARENT/GUARDIAN SIGNATURE :** .....

# Student Case Studies

## SECTION 2

All of these case studies were written by students studying in the Sixth Form. I'm sure you will agree that they give you a good flavour of what to expect and why they chose to continue their education at Cardinal Hume Catholic School.

### ASHLEY

Studying: 

- Health And Social Care
- Applied Science

The reason I returned to the Sixth Form was because I knew I would get more audience with the teachers than I would elsewhere. Also, I had studied one of the courses before at GNVQ so I knew what to expect. I find the courses easier than I thought, although they can be difficult at times, because you receive lots of help. You get a lot more support when you find a task difficult, respect and time to hand in work. The things I like about Sixth Form are the periods of Independent Study to catch up on coursework and the EMA money. When I leave school I would like to go to university.

### DANIEL

Studying: 

- I.T
- Business Studies

I returned to Sixth Form to try and achieve more qualifications and because I felt it would be the best place to achieve this. I find the courses very challenging but they are achievable. I like the fact that my friends are also in the Sixth Form. Both the teaching and learning are more individual to yourself and you have more responsibility. I like the teachers I get for my lessons and I also like the Independent Study lessons to get some of my work done. Once I leave Sixth Form I will hopefully have more qualifications to get a good job.

### HARJEET

Studying: 

- Biology
- Physics
- Chemistry
- Theology

I returned to Sixth Form to get some good A level qualifications. I find my current studies very hard and difficult because the teaching style is a lot different as there is more independent learning involved. However, the teachers offer to give help at break/dinner times and after school to explain aspects that weren't understood. The support is always there if you need it. I do like the privileges that come along with being in the Sixth Form. I would like to go on to university after my 2 years in Sixth Form.

### LAURA

Studying: • Art • Biology  
• Theology • English language

I returned to Sixth Form because I prefer a routine and I wanted to further my qualification social skills. I also liked the subjects on offer and the fact that I would continue to get support from teachers who knew me. My subjects are good and I do get the support I need. I think the teaching and the learning are very different because it is very independent and the teaching is much more than Y11. I get help from the teachers with work related issues and an interest in my family are any problems. I like the EMA money, the free periods for Independent Study and the freedom. When I leave Sixth Form I hope to go to university and get a degree then maybe a Master's Degree.



### LOUISE

Studying: • I.C.T • Travel & Tourism  
• Business Studies

I returned to Sixth Form because of the subjects they offer, the support in the subjects and to improve my social skills. I find my courses in Sixth Form easy but challenging, this is because the subjects are planned and structured carefully by the teachers. The teaching and learning is slightly different because the teachers treat you as young adults rather than children. The learning is also different because most of the work you do on your own but the subject teachers help you when you are in trouble with an area of the subject. The things I like about Sixth Form are the support from the

teachers, the study periods and the chance to socialise with people you knew lower down the school. In addition I like the courses I have chosen. When I leave Sixth Form I intend to use my qualifications to work as a cabin crew member.

### MATTHEW

Studying: • Art • Applied Science  
• I.C.T.

I came back to Sixth Form so I can get my A-levels and then look at my options to either go to University or look for an Advanced Modern Apprenticeship in Construction. I enjoy the courses I am taking in Sixth Form and I think this helps me to enjoy life in the Sixth Form more. I enjoy having a closer unit of friends. The relationship with teaching staff is different, much better, you can talk to them more easily and they will help you if you are in need of any help as long as you ask for help rather than just saying you were stuck and doing nothing about it!

### LAURA

Studying: • **Business Studies**  
• **I.C.T.**

I wanted to continue my education and staying in the Sixth Form meant that teachers knew me and I knew other people. The courses that I am taking are interesting and enjoyable, plus they will help me with what I want to do in the future, go into employment doing business studies administration. The things I like about being in the Sixth Form are that I can do my work independently and teachers don't treat you like little children. The teaching and the learning is different as I can work more independently and I have to take more notes when I am being taught to be able to do the work. The help that I get from my teachers is really useful plus I have also had advice from Mrs Napthen about my future career choices.

### CHRIS

Studying: • **Chemistry** • **English Literature**  
• **Biology**

I returned to Sixth Form because I had thoroughly enjoyed my time here in the lower school so I decided to stay with what I knew. I am glad I chose to return because I'm having an even better time than before. My courses are really interesting and challenging and the support I get from staff is great, we get help with work for school, advice for future employment, as well as opportunities to learn about Post 16 choices at university. From all I have learnt in the Sixth Form I hope to have a career in Veterinary Medicine.

### MATTHEW

Studying: • **Business Studies**  
• **I.C.T.**

I decided to return to school as they offered the courses that I wanted and I knew the people there. I feel that the courses I have selected are interesting as they are put across in an enjoyable way so that you don't get bored. The different units offer totally different topics and it keeps you interested in what you are doing. I like the fact that in Sixth Form you are able to express your point of view and you are treated with a lot more respect. The teaching and learning is more interesting and you learn in different ways than what you did before, eg. it's not all teacher talk, it's more a two way thing where both sides are doing the learning. The help you get is great, you just have to ask any member of staff and they do their best to help with the problem. You are also given privileges like taking Afternoon Home Study Leave and going off-site at lunchtimes. Mrs Napthen and Mrs Lawson both offer advice on school and information on your next career choice too. When I leave school I hope to go on to find a career in business administration as I enjoy this area of work.

# Important Dates in the Sixth Form Application Process

## SECTION 3

January 2008	Presentation by Head of Sixth Form to all Y11 tutor groups.
25th	Letter home to Parents/Guardians inviting them to the Sixth Form Information Evening.
30th	All replies for the Information Evening returned to tutor. Parents Consultation Day. Y11 Reports discussed
February 2008	<b>SIXTH FORM INFORMATION EVENING WEDNESDAY 6th FEBRUARY at 7.00pm</b>
March 2008	Y11 Interviews - a 1:1 interview for each student about their Sixth Form course choices.
19th	Parents' Evening. An opportunity to meet with subject teachers.
<b>Y11 students should see ms naphen if they change their mind about their Sixth Form subject choices or if they change their mind and decide to return to the Sixth Form.</b>	
May 2008	Final week in school Y11 Leavers' Mass GCSE/GNVQ exams
21st August 2008	<b>GCSE and GNVQ RESULTS DAY SIXTH FORM REGISTRATION</b>
September 2008	School Term starts

# Courses in the Sixth Form

## SECTION 4

This section gives more detailed information about all the courses that are available to study in the Sixth Form. Please read it carefully and talk to the staff suggested about the courses you are interested in.

The Sixth Form Information Evening on Wednesday 6th February is designed to give Y11 pupils and your parents/guardians the opportunity to hear more about the Sixth Form and talk to staff and Sixth Form students about the specific courses you are interested in studying. You will also be able to pick up leaflets on courses.

We will then interview all Y11 students about their Post 16 options and discuss your individual Sixth Form course choices in more detail.

### **Students in the Sixth Form can choose from:**

- 14 different Vocational courses described in Section 4(a)
- 14 different A Level courses described in Section 4(b)

## SECTION 4(a): Vocational Courses

**Vocational courses** are more work related in delivery and have few, if any, exams. Assignment work is completed by the student and submitted as unit evidence for assessment by the subject teacher. The unit of work is then moderated by an external visiting Moderator. Vocational subjects may be studied as 6 or 12 unit courses in the following subjects:

Art	Science
Business	Sport
Health+Social Care	Travel + Tourism
IT	

Students usually take a total of 18 units of Vocational courses in Y12.



# GCE Applied Art and Design

## SUBJECT INFORMATION

This is a vocational work related course designed for those students who have a broad interest in art and design and wish to develop their artistic skills through assignments and projects based on realistic workplace situations. You will enjoy this course if you like working within a range of art and design disciplines such as Fine Art, Graphic Design and 3D Ceramics.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units A/S</b> 2D/3D Visual Language Materials and Techniques Visual Communication and Meaning Develop Set Ideas Produce Set Ideas	<b>Units A/S</b> Working in 2D  <b>Units A2</b> Fine Art Design
<b>Units A2</b> Personal and Portfolio Development Contextual Reference Professional Practice Develop and Produce Own Ideas	
<b>Assessment</b> There are no written exams. You will submit a portfolio of work that you have done over the year. You will also be required to complete a practical exam. All of your work will be assessed by your art teachers and then by an external moderator.	

## OPPORTUNITIES

The GCE in Applied Art and Design qualifies for UCAS points. Many students go on to either a Foundation Diploma in Art and Design or direct entry onto a Degree Course.

## FURTHER INFORMATION

Please see:

**Mr Southgate**

# Business - 6 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Certificate (=1 A level) in Business. Students will get the opportunity to study a range of relevant units to the current Business world. They will also complete a work placement to give them an insight into the practical applications of the theory they are learning.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Investigating Business 02. Customer service 03. Business Communication 04. Finance	<b>Units</b> 05. Marketing 09. Career Planning
<b>Assessment</b> There are no exams. Students submit portfolio evidence for each unit. This is assessed internally by teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

This course will allow students to gain entry to University courses that have a Business base like Business Studies and Business Management. Students may also use this qualification to access employment in Business related careers such as accountancy, marketing and administration.

## FURTHER INFORMATION

Please see:

**Mr Errington**

**Mr Eccleston**

# Business - 12 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Diploma (=2 A levels) in Business. Students will get the opportunity to study a range of relevant units to the current Business world. They will also complete a work placement to give them an insight into the practical applications of the theory they are learning.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Investigating Business 02. Customer service 03. Business Communication 04. Finance	<b>Units</b> 05. Marketing 06. Practical sales skills 09. Career Planning 12. Skills + the Entrepreneur 13. e-marketing 17. Recruitment + Selection 20. Motivating and Empowering People 21. Practical Administration
<b>Assessment</b> There are no exams. Students submit portfolio evidence for each unit. This is assessed internally by teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

This course will allow students to gain entry to University courses that have a Business base like Business Studies and Business Management. Students may also use this qualification to access employment in Business related careers such as accountancy, marketing and administration.

## FURTHER INFORMATION

Please see:

Mr Errington

Mr Eccleston

# Health and Social Care - 6 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Certificate (=1 A level) in Health and Social Care. This would give them access to University courses and careers areas such as Nursing, Childcare, Care of the Elderly, Complementary Therapies or Social Services. Students will have the opportunity to visit and experience work placements in the different sectors involved in care.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Working to Quality practice in care settings 02. Working with service users in care settings 03. Behavioural Awareness in care settings 04. Applied practical care in care settings	<b>Units</b> 06. Applied nutrition and dietetics for service users 11. Career Planning for the health, social care and early years sector
<b>Assessment</b> There are no exams. Students present evidence for each unit. This is internally assessed by subject staff then externally moderated by a visiting Moderator.	

## OPPORTUNITIES

This qualification will allow students to enter University and College courses at a higher level or enter employment in their chosen field of health, social care or early years.

## FURTHER INFORMATION

Please see:

**Mrs Hudson**

**Mrs Lawson**

**Miss Napthen**

**Miss Parkin**

# Health and Social Care - 12 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Diploma (= 2 A levels) in Health and Social Care. This would give them access to University courses and careers areas such as Nursing, Childcare, Care of the Elderly, Complementary Therapies or Social Services. Students will have the opportunity to visit and complete work experiences in the different sectors involved in care.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Working to quality practice in care settings 02. Working with service users in care settings 03. Behavioural awareness in care settings 04. Applied practical care in care settings	<b>Units</b> 05. Advanced First Aid and Health + Safety 06. Applied nutrition and dietetics for service users 08. Coping with stress in care environments 11. Career planning for the health, social care and early years sector 15. Complementary approaches to care 16. Anatomy + physiology for health care 17. Health Education Promotion 25. Child development
<b>Assessment</b> There are no exams. Students present evidence for each unit which is internally assessed by subject staff then externally moderated by a visiting moderator.	

## OPPORTUNITIES

This qualification will allow students to enter University and College courses at a higher level or enter employment in their chosen field of health, social care or early years.

## FURTHER INFORMATION

Please see:

**Mrs Hudson**

**Mrs Lawson**

**Miss Napthen**

**Miss Parkin**

# Information Technology - 6 units

## SUBJECT INFORMATION

This course leads to an Applied A Level in ICT.

Students will experience a work placement to see how ICT is applied in the work environment. The units studied will equip students with the skills and knowledge required to study ICT further or enter the world of work

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Using ICT to Communicate 02. How Organisations use ICT 03. ICT Solutions for Individuals & Society 09. Working to a Brief	<b>Units</b> 11. Interactive Multi-media products 14. Developing + Creating Websites
<b>Assessment</b> There are 2 units that are externally examined on the course: <ul style="list-style-type: none"><li>• How Organisations use ICT</li><li>• Working to a Brief</li></ul> All the other unit's are assessed by portfolio evidence, these are assessed internally by ICT teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

Students will gain a qualification that will give them access to the numerous ICT based courses that are on offer at Universities. Such courses include:

BSc Computer Science  
BSc Computing  
BSc Multimedia Computing  
BSc Forensic Computing  
BSc (Hons) Software Engineering  
BSc (Hons) Business Computing

In addition it will give students the knowledge and skills relevant to working in an ICT environment. Careers Include:

Programming Technician	Web Designer
Network Engineer	ICT Teacher
Systems Analyst	Network Manager
	Computer Administration

## FURTHER INFORMATION

Please see:

Mrs Carson  
Mr McMann  
Mrs Kelly  
Miss Dickinson

# Information Technology - 12 units

## SUBJECT INFORMATION

This course leads to 2 Applied A Level's in ICT.

Students will experience a work placement to see how ICT is applied in the work environment.

The units studied will equip students with the skills and knowledge required to study ICT further or enter the world of work.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. Using ICT to Communicate 02. How Organisations use ICT 03. ICT Solutions for Individuals & Society 04. System Specification + Configuration 09. Working to a Brief	<b>Units</b> 05. Problem Solving Using ICT 07. Communicating using Computers 11. Interactive Multi-media Products 14. Developing + Creating Websites 16. Networking Solutions 18. Database Design 20. Programming
<b>Assessment</b> There are 2 units that are externally examined on the course: <ul style="list-style-type: none"><li>• How Organisations use ICT</li><li>• Working to a Brief</li><li>• Networking Solutions</li></ul> All the other unit's are assessed by portfolio evidence, these are assessed internally by ICT teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

Students will gain a qualification that will give them access to the numerous ICT based courses that are on offer at Universities. Such courses include:

**BSc Computer Science**

**BSc Computing**

**BSc Multimedia Computing**

**BSc Forensic Computing**

**BSc (Hons) Software Engineering**

**BSc (Hons) Business Computing**

In addition it will give students the knowledge and skills relevant to working in an ICT environment.

Careers Include:

**Programming**

**Technician**

**Network Engineer**

**Systems Analyst**

**Web Designer**

**ICT Teacher**

**Network Manager**

**Computer Administration**

## FURTHER INFORMATION

Please see:

**Mrs Carson**

**Mr McMann**

**Mrs Kelly**

**Miss Dickinson**

# Science - 6 units

## SUBJECT INFORMATION

This course leads to a BTEC National Award (=1 A Level) in Science.

It will prepare you to work in a Science based job eg. Technical support, or give you the necessary qualification to access University and College courses with a Science base.

### COMPULSORY UNITS

#### Units

01. Fundamentals of Science	11. Physiology of Human Systems
06. Application of Numbers for Science Technicians	13. Biochemical Techniques
08. Statistics for Science Technicians	15. Microbial Techniques
	18. Genetics and Genetic Engineering

#### Assessment

There are no exams.

Students submit a sizable portfolio of evidence for each unit.

This is assessed internally by teaching staff and moderated externally by a visiting Moderator

## OPPORTUNITIES

This qualification is ideal for those wishing to go onto lab based work, for example, in hospitals and industry. It is also a recognised qualification for entry onto degree courses at University.

## FURTHER INFORMATION

Please see:

Mr Atkins

Mr Donnelly

Mr Simmons

Mrs Burrough

Miss Napthen

# Science - 12 units

## SUBJECT INFORMATION

This course leads to a BTEC National Certificate (=2 A Levels ) in Science.

It will prepare you to work in a Science based job eg. Technical support, or give you the necessary qualification to access University and College courses with a Science base.

COMPULSORY UNITS	
<b>Units</b>	
01. Fundamentals of Science	07. ICT and Laboratory Management
06. Application of Numbers for Science Technicians	09. Human Physiology
08. Statistics for Science Technicians	10. Biochemical Techniques
11. Physiology of Human Systems	12. Microbiological Techniques
13. Biochemical Techniques	16. Electrical Circuits + Industrial Application
15. Microbial Techniques	21. Medical Physics
18. Genetics and Genetic Engineering	39. Physiological Measurements
<b>Assessment</b>	
There are no exams.	
Students submit a sizable portfolio of evidence for each unit.	
This is assessed internally by teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

The course provides excellent opportunities for students who wish to enter any industrial or scientific research based employment. The qualification will also allow students to progress to University.

## FURTHER INFORMATION

Please see:

**Mr Atkins**

**Mr Donnelly**

**Mr Simmons**

**Mrs Burrough**

**Miss Napthen**

# Sport - 6 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Certificate (=1 A Level) in Sport.

This course has lots of different aspects from practical elements, development of coaching skills to theoretical study of the sport industry. Students will visit lots of different venues and sporting industries to gain 'hands-on' experience of the world of sport.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. The Sport Industry 02. Sport and Society 03. Principles of Sport Coaching 04. Sport in the UK	<b>Units</b> 23. Advanced Sports Leadership 05. Learning and Developing Sports skills
<b>Assessment</b> There are no exams. Students are assessed on portfolio evidence presented for each unit. This is internally assessed by teaching staff and externally moderated by a visiting Moderator.	

## OPPORTUNITIES

This qualification will give students access to University degree courses such as Sport Science, Sport Management or Sports Coaching or college courses and employment in similar areas.

## FURTHER INFORMATION

Please see:

**Mrs Nelson**

**Mr Garraghan**

# Sport - 12 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Diploma (=2 A Levels) in Sport.

This course has lots of different aspects from practical elements, development of coaching skills to theoretical study of the sport industry. Students will visit lots of different venues and sporting industries to gain 'hands-on' experience of the world of sport.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. The Sport Industry 02. Sport and Society 03. Principles of Sport Coaching 04. Sport in the UK	<b>Units</b> 05. Learning and Developing Sports skills 07. Anatomy and Physiology 09. Technology and Sport 14. Sports and Exercise Psychology 15. Sports Injuries 17. Sport and Nutrition 18. Training and Fitness 23. Advanced Sports Leadership
<b>Assessment</b> There are no exams. Students are assessed on portfolio evidence presented for each unit. This is internally assessed by teaching staff and externally moderated by a visiting Moderator.	

## OPPORTUNITIES

This qualification will give students access to University degree courses such as Sport Science, Sport Management or Sports Coaching or college courses and employment in similar areas.

## FURTHER INFORMATION

Please see:

**Mrs Nelson**

**Mr Garraghan**

# Travel and Tourism - 6 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Certificate (=1 A Level) in Travel and Tourism. Students will develop their knowledge and understanding of a wide range of topics including employment, marketing, organising and hospitality within the Travel and Tourism industry. They will also have the opportunity to visit different organisations to experience the industry itself.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. The Travel and Tourism Industry 02. Travel Locations Worldwide 03. Marketing Travel and Tourism 04. Customer Service and Selling Skills	<b>Units</b> A choice of 2 units from 19 are available. We can tailor optional units to suit personal interests or career options.
<b>Assessment</b> There are no exams. Students submit portfolio evidence for each unit. This is assessed internally by teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

The qualification will be suitable for those who wish to study Travel and Tourism, Business or associated courses at University or College. Similarly, students who are looking for employment and NVQ training in this area would also find it useful.

## FURTHER INFORMATION

Please see:

**Mrs Wheelhouse**

**Mr Crowe**

# Travel and Tourism - 12 units

## SUBJECT INFORMATION

This course leads to a Level 3 OCR National Diploma (=2 A Levels) in Travel and Tourism. Students will develop their knowledge and understanding of a wide range of topics including employment, marketing, organising and hospitality within the Travel and Tourism industry. They will also have the opportunity to visit different organisations to experience the industry itself.

COMPULSORY UNITS	OPTIONAL UNITS
<b>Units</b> 01. The Travel and Tourism Industry 02. Travel Locations Worldwide 03. Marketing Travel and Tourism 04. Customer Service and Selling Skills	<b>Units</b> A choice of 8 units from 19 are available. We can tailor optional units to suit personal interests or career options. For example, Y13 students are currently studying Hospitality in the Travel and Tourism industry.
<b>Assessment</b> There are no exams. Students submit portfolio evidence for each unit. This is assessed internally by teaching staff and moderated externally by a visiting Moderator.	

## OPPORTUNITIES

The qualification will be suitable for those who wish to study Travel and Tourism, Business or associated courses at University or College. Similarly, students who are looking for employment and NVQ training in this area would also find it useful.

## FURTHER INFORMATION

Please see:

**Mrs Wheelhouse**

**Mrs Thornton**

**Mr Crowe**

## SECTION 4(b): A Level Courses

### SECTION (4b): A LEVEL COURSES

**A level subjects** are for students who wish to pursue a more academic study of a subject. They are assessed through exams in Y12 and Y13, they may also contain a coursework component. These are offered in the following subjects:

Art	History
Biology	Maths
Chemistry	Further Maths
Design + Technology: Product Design	Modern Foreign Languages: French/Spanish
English Language	
English Literature	Physics
Geography	Theology

Students usually take 4 AS levels in Y12.

Alternatively, students may combine Vocational and A Level courses in Y12.

# Art and Design

## SUBJECT INFORMATION AS AND A2 ART AND DESIGN O.C.R.

**In Y12.** As: students study 2 units that allow them to investigate a range of methods, exploring a variety of media to produce a coursework portfolio that reflects their own interests. They will also investigate an artist who has influenced and inspired their work.

**In Y13.** A2: they will develop their interests further as part of a Specialist Project that reflects their own interests which is supported by a personal, written and illustrated study of about 3000 words  
In both years they will complete a Controlled Test.

YEAR 12	YEAR 13
<b>Units</b> 01. Coursework Portfolio 02. Controlled Assignment	<b>Units</b> 04. Specialist Project 05. Personal Study 06. Controlled Test
<b>Assessment</b> Units 3 and 6 make you bring together all your interests and ideas from the year to produce a considered response to an externally set brief. All of these units are marked internally by the subject teachers and then moderated externally by a visiting Moderator.	

## OPPORTUNITIES

On completing this course students may choose to follow an Arts Foundation course before entering University or they may go straight into an Arts based degree course at University.

## FURTHER INFORMATION

Please see:

**Mr Turnbull**

**Mr Southgate**

**Miss Simpson**

**Mr Cornley**

# Biology

## SUBJECT INFORMATION

The Year 12 AS level in Biology places a great emphasis on knowledge and understanding of key biological terms: breathing, cells, circulation, classification, differentiation, digestion, disease, diversity, enzymes, exchange, genetic code, immunity, molecules, pathogens, reproduction, risk factors, transport systems, variation.

The Year 13 A2 modules lead to a full A level in Biology and the emphasis is on application and analysis of the key concepts learnt on the AS course plus concepts of: co-ordination, ecosystems, energy transfer, gene cloning techniques, gene expression, homeostasis, inheritance, mutations, nutrient cycles, photosynthesis, populations, respiration, selection, speciation.

YEAR 12	YEAR 13
<b>Units</b> 01: Biology and Disease 02: The Variety of Living Organisms 03: Investigative and Practical Skills in AS Biology	<b>Units</b> 04: Populations and Environment 05: Control in Cells and in Organisms 06: Investigative and Practical Skills in A2 Biology
<b>Assessment</b> 01: Exam (Jan) 17% 02: Exam (June) 23% 03: Practical Skills Assessment (PSA) and Investigative Skills Assignment (ISA) (10%)	<b>Assessment</b> 04: Exam (Jan) 17% 05: Exam (June) 23% 06: Practical Skills Assessment (PSA) and Investigative Skills Assignment (ISA) (10%)

**'It is not the strongest of the species that survives, nor the most intelligent, but the one most responsive to change.'**

Charles Darwin, English Biologist (1809 - 1882)

## OPPORTUNITIES

An A level in Biology is an essential qualification for those students wishing to study degree courses in Cell Biology, Biochemistry, Biology, Biomedicine, Ecology, Genetics, Microbiology, Physiology and Plant Biology. It is also a useful qualification for a variety of courses and jobs e.g. Nursing, Environmental Studies, Food Research, Medical and General Laboratory Work

## FURTHER INFORMATION

Please see:

**Mrs Burrough (Head of Biology)**

**Mr Warren**

**Mrs Riley**

**Miss Napthen**

**Miss Sutherland**

**Miss Haywood**

# Chemistry

## WHY CHOOSE CHEMISTRY?

An appreciation of the world is hardly possible without a working knowledge of the nature and behaviour of the many materials of which it is made, and of the useful products that can be made from them. The aim of the course is to stimulate and sustain the students' interest in Chemistry and to develop their skills in practical work and in the intellectual processes by which conclusion can be drawn from experimental results.

Chemistry is a subject of fundamental importance, and is required for the study not only of Chemistry at Higher education, but for a number of other subjects, particularly those in the medical sphere. Additionally, the style of thinking employed in your Chemistry lessons means it is regarded as highly desirable for many courses, such as accountancy or economics, as well as having its own intrinsic value.

## WHAT WILL YOU STUDY?

The three main branches of Chemistry: Physical, Organic and Inorganic are covered through six modules.

AS LEVEL	A2 LEVEL
<b>Units</b> 01. <b>Foundation Chemistry</b> This module explores the fundamental principles that form the basis of Chemistry. 02. <b>Chemistry In Action</b> This unit introduces more of the principles that underpin chemistry and looks at the applications of these principles and those that have been developed in Unit 1. 03. <b>Investigative and Practical Skills in AS Chemistry</b>	<b>Units</b> 04. <b>Kinetics, Equilibria and Organic Chemistry</b> This module develops the concepts of physical chemistry introduced at AS. It applies it to how reactions happen. 05. <b>Energetics, Redox and Inorganic Chemistry</b> This unit looks at why chemical reactions happen 06. <b>Investigative and Practical Skills in A2 Chemistry</b>
<b>Assessment</b> A written examination is taken in each module, either in January or in June. Practical work will be assessed by an examination at the end of AS and another at the end of A2.	

## HOW WILL YOU BE TAUGHT?

Lessons will be a balance between formal instruction and more open-ended discussion in which the student is expected to play a significant part. Much emphasis is placed on the need to read around the subject and fill in background by means of private study. Homework will be designed to encourage this research. One period practical work each week is intended both to support the theory lessons and to prepare students for the important practical examinations.

## FURTHER INFORMATION

Please see:

Mr Donnelly

Dr. Penny

# D&T: Product Design

## SUBJECT INFORMATION

The distinguishing feature of any design and technology course is its practical nature. Knowledge and understanding is not, therefore, to be acquired purely for its own sake, but in order to apply it to the solution of practical problems which arise in everyday life and in industrial and commercial contexts.

Underpinning all learning are the designing and making skills which make use of knowledge and understanding in order to produce outcomes which satisfy a design brief. Students will learn to utilise CAD/CAM in the design and manufacture of products, they will develop graphical communication and ICT skills to present and convey their designs. The AS coursework project will be to a given context, while the A2 coursework project will be an open ended student centred project.

Students wishing to study Product Design but who did not study GCSE Design & Technology, will be considered for the course based upon their suitability and capability to cope with the demands of a rigorous coursework centred qualification.

YEAR 12 - AS	YEAR 13 - A2
<b>Units</b> 01. <b>Materials, Components &amp; Applications</b> Written Paper (2 hrs) 25% of overall 'A' level 02. <b>Learning Through Designing and Making</b> Coursework: 25% of overall 'A' level 'Students will investigate a design influence and embark upon a range of design and make projects based around this influence'	<b>Units</b> 03. <b>Design &amp; Manufacture</b> Written Paper (2 hrs) 25% of overall 'A' level 04. <b>Design and Making Practice</b> Coursework: 25% of overall 'A' level 'Students will be encouraged to identify a real life design opportunity with a real client to design for. The project will be a single, substantial design and make project'

**“The specification has been designed to encourage candidates to take a broad view of technology and design, to develop their capacity to design and make products and to appreciate the complex relations between design, materials, manufacture and marketing.”**

AQA D&T: Product Design

## OPPORTUNITIES

A level Product Design offers a great many opportunities for students wishing to embark upon Higher Education design courses, such as Design for Industry, Automotive Design, 3D Design, Product Design, Graphic Design, Interior Design as well as Engineering and Architecture

## FURTHER INFORMATION

Please see:

Mr Stobbs

Miss Youngs

# English Language

## SUBJECT INFORMATION

'Language is a human invention; without it, social life could hardly exist in the forms we know it today' By studying English Language A Level you will begin to look at your own language both spoken and written. You will begin a journey that will affect you for a lifetime.

### AS & A2 COURSE OVERVIEW

Pupils beginning to study AS English Language from September 2008 will have the opportunity to experience the brand new A Level course layout, which retains much of the previous syllabus, whilst introducing several new and exciting components...

**In a nutshell, the course will follow the following format:**

- There will be four units in total
- Unit 1 and Unit 2 will be completed in year 12 and will make up the AS course
- Unit 3 and Unit 4 will be completed in year 13 and will make up the A2 course
- Grades for all units will be collated and count towards your overall GCE A Level grade
- 40% of the work you do will be assessed through coursework; 60% of the course's assessment is through external examinations.

**“You develop the insight of an artist, the analytical precision of a scientist and the persuasiveness of a lawyer”**

Prof. Maureen Moran, Brunel

## OPPORTUNITIES

Contrary to popular belief, teaching is not the main occupation of English graduates. Many go into General management, research and consultancy and the public services as well as publishing and the creative industries.

## FURTHER INFORMATION

Please See:

Miss Murphy

Mr Robson

Miss Renwick

Miss McKenna

Mrs Howell

Mr Gribbon

Miss Hamilton

Mrs Gangel

# English Literature

## SUBJECT INFORMATION

Unlike most other subjects, English Literature does not consist of a body of knowledge that you can 'learn' in the conventional sense.

Instead, you need to develop your own ideas and responses to the texts that you study and to base these responses firmly on evidence that you have gathered from your own readings of these.

### AS & A2 COURSE OVERVIEW

Pupils beginning to study AS English Literature from September 2008 will have the opportunity to experience the brand new A Level course layout, which retains much of the previous syllabus, whilst introducing several new and exciting components, such as compulsory post-1990 literature...

#### In a nutshell, the course will follow the following format:

- There will be four units in total
- Unit 1 and Unit 2 will be completed in year 12 and will make up the AS course
- Unit 3 and Unit 4 will be completed in year 13 and will make up the A2 course
- Grades for all units will be collated and count towards your overall GCE A Level grade
- 40% of the work you do will be assessed through coursework; 60% of the course's assessment is through external examinations.

## OPPORTUNITIES

An A Level in English Literature is particularly useful for University courses and careers linked to the media, journalism, administration, law and English itself.

## FURTHER INFORMATION

Please See:

Miss Murphy

Mr Robson

Miss Renwick

Miss McKenna

Mrs Howell

Mr Gribbon

Miss Hamilton

Mrs Gangel

# Geography

## SUBJECT INFORMATION

Studying Geography in the Sixth Form will give you the opportunity to explore the world around you and develop a greater understanding of Physical, Environmental and Economic aspects of the planet you live on.

The course will equip you with valuable skills that you can use at University or to enter the world of work.

YEAR 12	YEAR 13
<b>Units</b> 01. <b>Physical &amp; Human Geography</b> Rivers, floods & management, the study of different environments, population change, food supply, energy & health issues. 02. <b>Geographical Skills</b> Investigative skills, ICT & statistics, cartographic & graphical skills.	<b>Units</b> 03. <b>Contemporary Geographical Issues</b> Plate movement, volcanic activity, earthquakes, climate in different regions, global climate change, ecosystems, urbanisation, retailing, development and sustainability. 04. <b>(a) Fieldwork</b> Fieldwork study <b>(b) Geographical Issue Evaluation</b> Impact of issues on the environment, conservation, exploitation, sustainability and growth, role of organisation in the development of schemes.
<b>Assessment</b> Y12 - 2 Exams taken in June	Y13 - 3 Exams taken in June

## OPPORTUNITIES

Geography is a good general subject which complements Science and Arts subjects.

It is a good A level for those interested in careers in Geography, Geomatics, Earth Science, Town Planning, Logistics, Surveying and many more.

## FURTHER INFORMATION

Please See:

**Mrs Wheelhouse**

**Mr Crowe**

**Mr Tapping**

# History

## SUBJECT INFORMATION

**Year 12:** you will have the opportunity to study key historical periods, events and individuals from the Tudor period and Modern World dictators. There is some flexibility within the course to choose subjects according to interest of the group.

**Year 13:** you will focus on British and European history and change over time. The course can adapt to suit individual needs, you can also complete an individual coursework unit.

YEAR 12	YEAR 13
<b>Units</b> 01. Securing the Tudor Dynasty: The Reign of Henry VIII 02. Italy the Rise of Fascism or Weimar Germany or Henry VIII 1509-1529 03. A very English Reformation:	<b>Units</b> 04. Elizabeth 1 or Fascist Italy 05. Tudor England 06. Tudor State Crisis or Hitler Nazi State
<b>Assessment</b> 01: Source based questions 20% of A-level. 02: Two essay questions 15% of A-level. 03: Three essay questions based on sources 15% of A-level. 04: One essay question 15% on A-level. 05: Coursework 15% of A-level. 06: Source based questions 20% of A-level	

## OPPORTUNITIES

An A level in History will definitely help in any university course or career involving law, politics or archaeology and many more!

## FURTHER INFORMATION

Please See:

Mrs McGuigan

Mrs Thornton

Miss Taylor

# Modern Foreign Languages: French or Spanish

## SUBJECT INFORMATION

- Media & Popular Culture
- Healthy Living
- Family/Relationships
- Environment
- The Multicultural Society
- Contemporary Social Issues
- Cultural Topics

YEAR 12	YEAR 13
<b>AS Units</b> 01. <b>Listening, Reading &amp; Writing</b> (Media, Popular Culture, Health, Lifestyle, Family & Relationships) 02. <b>Speaking</b> (As for Unit 1)	<b>A2 Units</b> 03. <b>Listening, Reading &amp; Writing</b> (Environment, Multicultural Society, Social Issues, Culture) 04. <b>Speaking</b> (As for Unit 3)
<b>Assessment</b> AS Unit 1: 2 hour exam (35%) AS Unit 2: 15 minute exam - plus 20 minutes preparation (15%) A2 Unit 3: 2.5 hour exam (35%) AS Unit 4: 15 minute exam - plus 20 minutes preparation (15%)	

## OPPORTUNITIES

### University

- Study one or more MFL as a main subject
- Study a MFL in addition to a main subject, such as IT, Business, Science, Engineering, Accountancy, Economics and many more

### World of Work

- Speakers of a MFL are in increasing demand
- English alone may consign you to the 'slow lane'
- Give yourself a cutting edge over your competitors

## FURTHER INFORMATION

Please See:

Dr Stanton

Mr Juric

Mrs Hurn

Miss Hedley

# Mathematics

## SUBJECT INFORMATION

AS Mathematicians in Y12 follows a course designed to give a grounding in the core disciplines of the subject : Probability + Statistics, Algebra and Trigonometry. You are also introduced to Calculus, which is of fundamental importance in this subject and in the physical sciences.

A2 Mathematicians in Y13 pursue the core disciplines further but add to this the application of the subject to real life logistical problems in Decision and Discrete Maths.

YEAR 12	YEAR 13
<b>Units</b> C1-Introduction to Advanced Maths C2-Concepts for Advanced Maths S1-Statistics 1	<b>Units</b> C3-Methods for Advanced Maths C4-Applications for Advanced Maths D1-Decision Maths 1
<b>Assessment</b> Y12: C1-Exam in January C2-Exam in June S1 -Exam in June	<b>Assessment</b> Y13: C3-Coursework in November and Exam in January C4-Comprehension and exam in June D1-Exam in June

## OPPORTUNITIES

A level mathematics is essential for any numerate discipline at University: eg. Physical Sciences, Engineering, Accountancy, Medicine. It is also well regarded as training for the mind by employers.

## FURTHER INFORMATION

Please See:

Mr Wrightson

Mr Addison

Ms Burton

Miss Petty

Miss Heslop

Mr Brookes

Mr Evans

# Further Mathematics

## SUBJECT INFORMATION

Further Maths is studied alongside Maths A Level by those students wishing to study Maths, Physics or Engineering at University.

### YEAR 12

Further Mathematicians are introduced to mechanics as well as the study of complex numbers and series, which besides being of interest in their own right, refine and illuminate the AS level course.

### YEAR 13

A2 Further Mathematics explore some of the ideas normally reserved for university study such as; curvature, multi-variable calculus and circular motion.

YEAR 12	YEAR 13
<b>Units</b> FP1: Further Pure 1 M1: Mechanics 1 M2: Mechanics 2	<b>Units</b> FP2: Further Pure 2 FP3: Further Pure 3 M3: Mechanics 3
<b>Assessment</b> FP1: 1hr 30min exam M1: 1hr 30min exam M2: 1hr 30min exam	<b>Assessment</b> FP2: 1hr 30min exam FP3: 1hr 30min exam M3: 1hr 30min exam

## OPPORTUNITIES

Further Mathematics is a subject tailored to suit the needs of people who are hoping to study Mathematics to a high level. It is a course which will only be offered to the most able students.

## FURTHER INFORMATION

Please See:

**Mr Wrightson**

**Mr Addison**

**Miss Petty**

**Miss Heslop**

**Mr Brooks**

**Mr Evans**

# Physics

## SUBJECT INFORMATION

The Y12 Physics course is an extension of the knowledge and skills gained from Y11 GCSE. We look at fundamental particles and forces and explore quantum physics. Further study of electricity and mechanics takes place as well as a study of waves. The Y13 modules cover key areas of physics including electric, magnetic and gravitational fields nuclear physics and thermodynamics. The options are: Medical Physics; Astrophysics or Turning Points in Physics

YEAR 12	YEAR 13
<b>Units</b> 01. Particles, Quantum Phenomena and Electricity 02. Mechanics, Materials and Waves	<b>Units</b> 04. Fields and Further Mechanics 05. Nuclear Physics, Thermal Physics and Optional Topic
<b>Assessment</b> In Y12 there is a 1hr 15min exam in January and a 1hr 15min exam in June. There is also a Practical Skills Assessment (PSA) and an Investigative Skills Assessment (ISA).  In Y13 there is one 1hr 45min exams in January, and one 1hr 45min exam in June. There is also a Practical Skills Assessment (PSA) and an Investigative Skills Assessment (ISA).	

**“Imagination is more important than knowledge”**

Albert Einstein

## OPPORTUNITIES

Physics is essential for many courses in science, medicine and engineering. The skills acquired at A level physics are in great demand in a wide variety of jobs.

## FURTHER INFORMATION

Please See:

**Mr Simmons**

**Mr Heron**

**Miss Sutherland**

# Theology

## SUBJECT INFORMATION

**Y12 Theology** gives a great insight in to what makes up a human being's whole character, both physical and spiritual. It places a focus on students' knowledge and evaluation skills and expects students to read up on background material and develop arguments outlining positives and negatives of theories studied.

**Y13 Theology** modules lead to a full A level in the subject studied in AS and focuses on issues such as the role of conscience, sexual ethics, environmental ethics, war and peace, life after death and nature of God. Students work both individually and as groups.

YEAR 12	YEAR 12
<b>Units - OCR</b> G581: Philosophy of Religion G582: Religious Ethics	<b>Units - OCR</b> G571: Philosophy of Religion G572: Religious Ethics
<b>Assessment</b> (1) Exams taken in June of Y12 and Y13 (2) Resits can be taken in January of the following year (Y13)	

## HIGHER EDUCATION/CAREER PROSPECTS

Religious Studies is a valuable qualification in the following areas: Medicine, Teaching, Law, Dentistry, Police Force to name a few.

## FURTHER INFORMATION

Please See:

**Mr Mc Cann**

**Mrs Burgess**

**Mrs Allen**

**Mrs Ellender**