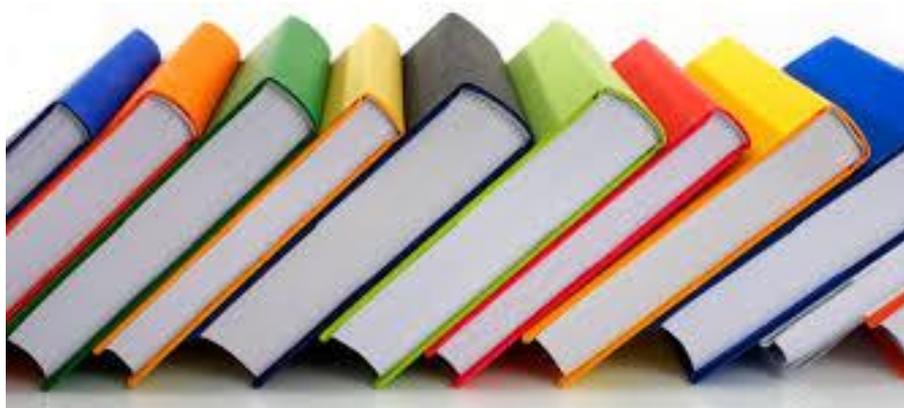




Hethersett Old Hall School



GCSE options for 2018-20

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CONTENTS

Welcome to GCSE.....	3
Core Subjects.....	4
Other Subjects.....	4
Option Subjects.....	4
Art.....	5
Art & Design: Textiles.....	7
Drama.....	9
English language.....	11
English literature.....	12
Food Preparation and Nutrition.....	14
Geography.....	16
History.....	18
Mathematics.....	20
Modern Foreign Languages (French and/or Spanish).....	22
Music.....	24
Photography.....	26
Physical Education.....	28
Religious Studies.....	30
Sciences.....	32

In Year 10...

Core Subjects

You will study a **core** of subjects:

- English language and English literature (two separate GCSE subjects)
- mathematics
- science (you take either GCSE combined science: trilogy which is equivalent to two GCSEs or individual GCSEs in biology, chemistry and physics)

Other Subjects

Your timetable in Years 10 and 11 will include 1½ hours of PE which covers a range of activities.

You will also undertake a carefully-structured general programme of **PSHCCE** (personal, social, health, citizenship and careers education) in the form of talks, discussions and workshops. This programme is designed to help you to make the most of opportunities at school and in later life.

Option Subjects

You will be able to select **four GCSE option subjects**, one from each of the four option blocks.

We recommend that you include:

- a modern language - French or Spanish
- one of the humanities - geography or history
- a creative, practical or aesthetic subject

Read on to see which subjects are on offer...



Art

Examination Board: AQA

Specification Number: 4200

Why choose art?

Art is a form of communication and expression. It provides a creative experience which will:

- develop your awareness of the natural and man-made environment
- enable you to research and explore ideas, materials and techniques for project work
- develop your understanding of the work of artists, craftspeople and designers by visiting galleries and exhibitions, and linking their work to your own
- develop your special aptitudes and interests, helping you to gain confidence and develop a sense of adventure and achievement

Is it for me?

If you enjoy being creative, want to increase your practical skills and improve your analytical, communication and research abilities, art and design is a great choice.

What will I learn?

Alongside improving your practical expertise, you'll learn how to:

- develop, refine and record your ideas
- present a personal response that realises your intentions
- improve your creative skills through the effective and safe use of media, materials, techniques, processes and technologies
- successfully use visual language and the formal elements eg colour, line, form, shape, tone, texture
- use drawing skills for different needs and purposes.

You will have the opportunity to explore a wide range of materials and processes in your work, such as:

- painting and drawing with pastels, charcoals, acrylic paints, watercolours, inks, gouache and other materials
- collage – photomontage, fabric, found materials, types of paper

- printmaking – lino, screen, mono and collograph
- clay – modelling and slab construction
- construction – papier maché, wire, plaster, modroc, card, wood and paper
- mixed media – tie-dyeing/painting, found/discarded/recycled materials and any combination of the above

How is my work assessed?

COMPONENT 1: PORTFOLIO

Students are required to submit a portfolio that includes a sustained project and a selection of further work which represents their course of study.

The portfolio will be worth 60% of the GCSE

COMPONENT 2: EXTERNALLY SET ASSIGNMENT

Students respond to their chosen starting point from an externally set assignment paper relating to their chosen title.

Students have an unlimited preparation period followed by 10 hours of supervised time

The externally set assignment is worth 40% of the course

What next?

Art and design opens the door to lots of exciting careers

Try these for starters: Graphic design • Theatre designer • Animator • Video game designer • Illustrator • Museum curator • Photographer • Architecture • Product design • Textiles design • Ceramics • Advertising • Publishing • Interior design • Fashion and media journalism • Hair and make-up design • Retail design • Exhibition design • Jewellery design • Artist • Visual media • Teaching

New technologies are creating a whole new range of courses where art is being used in innovative ways.

If you don't want to take your art and design studies any further, the transferable skills you gain will still be valuable. You'll develop problem solving, creative thinking, investigation, research, communication and teamwork skills, and gain the ability to develop, refine and present ideas. Employers and universities regard all of these highly.



Art & Design: Textiles

Examination Board: AQA

Specification number: 4570

Why choose textiles?

When we think of textiles, common applications, such as clothing and furnishing, easily spring to mind. Yet today's many and varied applications of textiles and textile technology mean that in reality these comprise only a fraction of the full story. New technology in contemporary textiles is narrowing the gap between the world of art, design, engineering and science, producing revolutionary textiles for the twenty-first century.

New and different combinations of traditional and new textile and non-textile materials continually push the boundaries of possibility within areas of art, design, science and engineering.

Is it for me?

Yes, if you are prepared to work independently and enjoy practical, creative, experimental and investigative activities.

What will I learn?

The course will provide a good mix of practical skills and the development of your knowledge and understanding. You will choose **one or more** area(s) of textile design, such as:

- art textiles
- fashion design and illustration
- costume design
- constructed textiles
- printed and dyed textiles
- surface pattern
- stitched and/or embellished textiles
- soft furnishings and/or textiles for interiors
- digital textiles
- installed textiles.

Skills

You will learn how to:

- use textile design techniques and processes appropriate to your personal intentions, for example: weaving, felting, stitching, appliqué construction methods or printing.
- use media and materials appropriate to your personal intentions, for example: inks, yarns, threads, fibres, fabrics, textile materials or digital imagery.

Knowledge and understanding

You will gain and demonstrate insight into how sources inspire the development of ideas relevant to textile design, and how ideas, feelings, forms and purposes can generate responses. Your learning will be shown in a portfolio showing your journey through the creative process.

How is my work assessed?

There are two components:

- **Portfolio** - *96 marks, 60% of the total GCSE*

Your portfolio has no time limit. It will include a sustained project evidencing your journey from initial engagement to the realisation of intentions and a selection of further work undertaken during your course of study.

- **Externally Set Assignment** - *96 marks, 40% of the total GCSE*

You will have a preparatory period followed by ten hours of supervised time to respond to your chosen starting point from an externally set assignment paper.

What next?

If you achieve a satisfactory grade, you can opt to continue this subject to A Level. Higher education courses for which this can be useful include a textile/fashion design degree or the equivalent, contour design (lingerie and swimwear), shoe design, fashion journalism, museum advisor/exhibition organiser, scientific fabric development, interior design, architecture, retail fashion/textile buyer, product manufacture/retail display and more.



Drama

Examination board: AQA

Specification Number: 8261

Why choose drama?

Drama is an exciting, creative and challenging subject to study at this level. It encourages confidence, self-expression and imagination and will give you skills that will benefit you for life.

You will gain insight into, and understanding of, a wide range of activities. The course is heavily practical with marked assignments set over the two years and you are free to choose from any of the controlled assessment options. These include: acting, devised thematic work, improvisation, theatre in education and physical theatre. In the written examination at the end of the course you will have the opportunity to demonstrate your knowledge and understanding of drama skills and theatre through a sequence of written tasks.

Is it for me?

Yes, if you enjoy performing and working as part of a close-knit team.

What will I learn?

You will explore:

- how performers and designers communicate meaning to an audience
- a range of stage and performance conventions
- appropriate drama terminology and how to use it
- how to create, interpret and communicate a role or character
- drama within its social, cultural and historical context, identifying and establishing how this might impact on any performances

During the course you will have the opportunity to visit a variety of professional and amateur theatres to see productions. You will also be able to participate in the senior school production which is performed in a professional theatre.

How is my work assessed?

Through a mix of practical work and a written exam. There are three components:

- **Understanding drama** **40% of the GCSE marks**
- **Devising** **40% of the GCSE marks**
- **Texts in Practice** **20% of the GCSE marks**

These three components are all assessed both internally and externally over the two-year period and there is a written examination at the end of the two years.

What next?

Drama GCSE requires you to be very proactive in researching, developing and completing performance pieces. You need to be a good group member and prepared to work as part of a close-knit team. This subject fits well with other creative subjects and includes elements of English, art, music, history and cultural studies.

After GCSE you could opt to continue your drama studies to a higher level; the GCSE is also a valuable qualification in its own right as it develops a wide range of skills which will be useful in all areas of your life in future, such as:

- self confidence
- communication skills
- presentation skills
- team-working skills
- analytical abilities
- writing abilities
- research skills

Specific career paths include:

- theatre
- theatre management
- business
- events management
- market research
- advertising
- law

The course is demanding but lots of fun!



English literature

Examination Board: Cambridge IGCSE

Literature (English) 0477

Why take English literature?

This is also a core subject taken by all pupils. An IGCSE in English literature demonstrates your ability to understand, appreciate and respond coherently to a variety of literary works. It also introduces you to important writers from our literary heritage and includes the in-depth study of a Shakespeare play.

What will I learn?

During the course you will study drama (plays), poetry, and prose texts. You will discuss and explore your ideas about what we read together in class as well as writing creative and analytical responses.

The course will help you to:

- enjoy the experience of reading literature
- understand and respond to different types of writing from different times and places
- communicate an informed personal response appropriately and effectively
- appreciate different ways in which writers achieve their effects
- experience literature's contribution to our culture and our imaginative and intellectual growth
- explore the contribution of literature to our understanding of areas of human concern

How is my work assessed?

At the end of the two years you will take three examination papers.

- **Paper 1** assesses your understanding of poetry and prose (stories or a novel).
- **Paper 2** is the drama paper. You will answer questions on a Shakespeare play and on a more modern play.
- **Paper 3** is an unseen comparison of either two poems or two prose extracts.

What next?

If you achieve at least a B grade in your IGCSE, you can opt to continue to study English literature to A Level.

A Level English literature is welcomed on a wide variety of academic courses. This subject fits well with art, history, modern language, philosophy and ethics and theatre studies.

It can also be a valuable subject if you are involved in sciences, geography, music, or any of the other subjects available, as it develops the skills of analytical thinking and good essay-writing.



Food Preparation and Nutrition

Examination Board: OCR or CIE

Specification number: to be advised

Why choose food and nutrition?

We are constantly being reminded of the importance of preparing food from raw ingredients and eating a healthy diet. This subject will give you knowledge and skills that will help inform your food and nutrition choices throughout your life. These choices are not just about what you eat, but about managing time, money and equipment relating to preparing and cooking food.

Is it for me?

Yes, if you like subjects with practical elements and would like to learn skills that will be useful throughout your life.

What will I learn?

You will study a comprehensive range of topics which will include:

- terms used in nutrition and nutrition-related problems
- nutritive value of foods
- digestion and absorption
- dietary guidelines
- composition and value of the main foods in the diet
- cooking of food
- convenience foods
- basic proportions and methods of making
- raising agents

- food spoilage, and hygiene in the handling and storage of food
- food preservation
- kitchen planning
- kitchen equipment
- kitchen safety, simple first aid

How will my work be assessed?

The course offers a good mix of practical and theory lessons, roughly falling into a pattern of one double lesson of theory followed by one double practical lesson per week.

- **Paper 1 Theory 2 hours (50% of total marks)**

This is a written paper consisting of short-answer questions, structured questions and open-ended essay questions.

- **Paper 2 Practical Test 2 hours 30 minutes with Planning Session of 1 hour 30 minutes (50% of total marks)**

An example of the practical task:

- prepare, cook and serve a two course evening meal for two office workers, and
- bake a cake by the whisking method and some biscuits by the melting method.

What next?

This is a valuable qualification in its own right and will be particularly useful if you are considering, for example, sciences or sport at A Level or are participating in our Duke of Edinburgh's Award scheme.

It is also invaluable for a range of longer-term career goals – not just catering itself but also nursery and primary education, the care professions, sport and health. The life skills you will gain will be useful on a personal level, too, and can start you on a cooking adventure you will enjoy all your life.



Geography

Examination Board: AQA

Specification Number: 4032

Why choose geography?

Geography is all around you! The GCSE we study takes a modern approach relevant to the 21st century. It deals with major global issues and will help you to understand how the world works.

Is it for me?

Yes, if you are interested in the world we live in and current issues.

What will I learn?

Geography focuses on current issues and our modern and engaging approach covers key ideas and debates such as physical landscapes in the UK, urban challenges, changes in the economic world, natural hazards, and ecosystems.

The course is divided into three sections which include physical and human issues as well as practical geographical skills. You will learn in a variety of ways, including discussions, note-taking and data handling.

Fieldwork is an integral part of the course and two local day trips are arranged in Year 10. These are a requirement of the examination board. One will be on a physical topic and the other will be based on the human section of the course.

How is my work assessed?

There are three examinations, which you will take at the end of Year 11:

Paper 1 is based around the physical topics.

Paper 2 covers the human areas.

Paper 3 tests your knowledge of data collection and analysis – skills you will have developed on your field trips. This subject does not have any tiers.

What next?

Most of our pupils progress to A Level study after GCSE and if you get a good grade in this subject you could opt to continue with your geography in the Sixth Form. Higher education and careers for which this can be useful include geography, geology, environmental sciences, science, town planning, architecture, medicine and law. Geography is an all-encompassing subject and readily combines with science or arts subjects.



History

Examination Board: Edexcel

Why choose history?

History is a most fascinating subject - the story of mankind and all that has come before us to shape how we live today. Studying it will also encourage and support your skills of analysis, evaluation and explanation in a concise and cohesive style. You will learn how to analyse sources, make decisions, write really good essays and win arguments!

If you enjoy reading stories, exploring castles or debating, then this is the subject for you. Where else can you link the childhood fairy tales you know so well with popular fiction and current debate to work out why some castles are round but others are square and why people used to leave bread by the fireplace on Hallowe'en? How did William I win the Battle of Hastings? Why was all the tea thrown in the sea at Boston? If you study GCSE history you could find out!

Is it for me?

Yes, if you like stories and mysteries, have an enquiring mind and are fascinated by the characters and events that have shaped our world.

What will I learn?

You will study four modules, all of which are examined at the end of Year 11, and there is no controlled assessment. The syllabus is wide-ranging and covers a range of interesting topics – see the 'How is my work assessed?' paragraph opposite for details.

How is my work assessed?

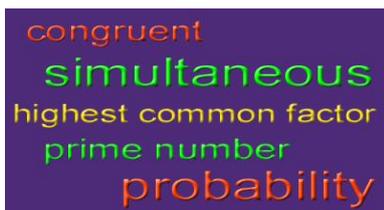
There are three exams as follows:

- **Paper 1** 1 hour 15 mins (30% of the final grade).
Thematic study and historic environment: *Medicine in Britain, c1250–present; and the British sector of the Western Front, 1914–18: injuries, treatment and the trenches.*
- **Paper 2** 1 hour 45 mins (40% of the final grade).
Period study and British depth study: *Anglo-Saxon and Norman England, c1060–88 and British America, 1713–83: empire and revolution.*
- **Paper 3** 1 hour 20 mins (30% of the final grade). Modern depth study: *Weimar and Nazi Germany, 1918–39.*

What next?

History underpins and adds fresh insights to all other subject areas. After two absorbing years of study you will have acquired empathetic, organisational and evaluative skills vital for the next step towards a career in journalism, politics, law, teaching, human resources, engineering and languages to name a few – the list is endless!

If you achieve a good grade at GCSE, you may opt to continue your history studies to A Level. It fits very well with any other A Level subject.



Mathematics

Examination Board: OCR Specification Number: J560

Why take mathematics?

Mathematics is a demanding and exciting subject. It is a core subject taken by all pupils and an essential requirement for many courses of study and careers.

What will I learn?

The two-year course covers the topics of number, algebra, shape, space, measures and data handling.

There are two tiers: Foundation and Higher.

The grades available are:

- 5 to 1 at Foundation, and
- 9 to 4 at Higher

How is my work assessed?

No coursework is required for GCSE mathematics. At the end of Year 11 you will take three written examination papers:

Foundation tier:	Paper 1	Calculator allowed
	Paper 2	No calculator
	Paper 3	Calculator allowed

Higher tier:	Paper 4	Calculator allowed
	Paper 5	No calculator
	Paper 6	Calculator allowed

All examination papers are 1 hour 30 minutes long. Any topic area may be assessed on any component. You will not be given a formulae sheet for use in the exam.

Each paper carries an equal weighting of one third of the marks for the GCSE qualification. In each question paper you will be expected to support your answers with appropriate working.

What next?

If you wish to, and have achieved a satisfactory grade, you can continue this subject to AS or A Level. Courses for which this can be useful include mathematical and science-based degrees leading to careers in such areas as accountancy, banking, business, management and science. This subject fits well with physics, chemistry, biology, business studies and geography, but it can also be a valuable subject if you are involved in information technology, music and other subjects.



Modern Foreign Languages (French and/or Spanish)

Examination Board: AQA

Specification Numbers: 8658 (French) and 8698 (Spanish)

Why choose a foreign language?

It is advisable that you take at least one language at GCSE level. A language will always be useful, no matter what you do later on in life and can enhance your career prospects. A language GCSE builds upon what you have already learnt in Years 7, 8 and 9 and you probably know more than you think. You not only learn the language but you also have the opportunity to find out about other people, countries and cultures, which makes it a very interesting and varied subject.

Is it for me?

Learning a foreign language will be a good choice if you enjoy interacting with others. It will help you to communicate more confidently and accurately with native speakers.

What will I learn?

For both the Spanish and French courses, you will cover three main areas:

Identity and culture (family, friends, leisure activities, use of technology, daily routine and food)

Local, national, international and global areas of interest (festivals, traditions, charity related activities, places in a town and comparisons between the city and the countryside)

Current and future study and employment (studies at school, preparing for work and employment, work experience, part-time jobs and job interviews)

How is my work assessed?

At the end of the two-year course you will be entered for either foundation or higher tier in four exams:

- Paper 1 **Listening** 25% final examination
- Paper 2 **Speaking** 25% final examination
- Paper 3 **Reading** 25% final examination
- Paper 4 **Writing** 25% final examination

No mixed tiers are allowed.

What next?

If you achieve a good grade, you can opt to continue your language study to A Level.

These subjects fit particularly well with science, history, geography, other languages and business studies but will enrich whatever you choose to study afterwards.



Music

Examination Board: Edexcel

Specification Number: 1MU0

Why choose music?

If you enjoy:

- composing and performing music
- learning an instrument or singing
- creating music on computers or in a recording studio
- learning about all types of music, including classical, popular and world

then GCSE music is the ideal subject for you.

Is it for me?

Yes, if you enjoy making music, either as a soloist or in a group. The GCSE course encourages you to perform music of your own choosing and in any style, as a soloist and also in a group. To take this course, you must be able to offer at least one instrument and/or voice.

What will I learn?

Your ability to create music of your own in class will be developed on the GCSE course as you choose two topics for composition. For example, this could be a popular song and a dance track, a classical piece or some world music. There is a wide choice and it can be tailored to your own musical interests and strengths.

Your analytical listening skills will be developed as you study some set pieces taken from the classical, twentieth century, popular and world music areas of study.

You will not only improve your performing skills but also develop a deeper understanding of the structure of music. You will also learn to analyse music in a variety of styles and discover the social and historical context in which music has been composed over the last four centuries or so.

How will I be assessed?

Through a mix of performance, composition and listening/appraising as follows:

- Performing: You will need to play one solo piece and one ensemble piece.
- Composing: You will need to create two compositions.
- Listening and appraising: You will sit a 90 minute written paper with questions on the kind of music you have been studying.

What next?

If you have enjoyed the GCSE music course then you can consider continuing your studies to an A Level in music. Your listening skills will enhance the aural perception needed in language examinations. Your performing skills will give you confidence in playing to an audience – useful if you intend to pursue, for example, drama or law.



Photography

Examination Board: Edexcel

Specification Number: 5PY02

Why choose photography?

Photography helps you develop an awareness of the natural and man-made environment and an understanding of the work of others - artists, craftspeople and designers. These influences can then inspire your own work, in which you can explore your personal attitudes and interests, gaining confidence and a sense of adventure and achievement.

Is it for me?

Yes, if you enjoy photography and would like to develop your creativity.

What will I learn?

We spend the first term learning the basics of black and white photography and digital imaging.

Controlled assessment takes the place of coursework; this runs for twenty weeks in the fourth and fifth terms.

There is a final examination in the form of another project but completed in ten hours.

How is my work assessed?

Coursework	60%
Examination	40%

The examination paper is given out in February, allowing ample time for preparation. The ten hour exam follows the Easter break, and the examination and coursework are displayed for final marking. You will also have the opportunity to display your work as part of an annual exhibition of creative work produced in the department.

Controlled assessment

This covers investigation; recording of information; influences of other photographers; artists and designers; development of ideas and plans, plus a final display of photographs. The title is chosen to make sure all requirements for controlled assessments are met.

What next?

Courses for which photography can be particularly useful include journalism and the media. This subject fits well with creative areas but it can also be a valuable curriculum-broadening subject for those involved in science subjects.



Physical Education

Examination Board: AQA

Specification Number: 8582

Why choose physical education?

If you are

- looking for a career in the sport, fitness and leisure industry or just enjoy taking part in PE, games and swimming
- prepared to work hard at both your practical skills and theory

then this will be an enjoyable GCSE to choose.

Is it for me?

Yes, if you are good at, and enjoy, PE and sports. A good understanding of science, especially physics and biology, is also helpful.

What will I learn?

The course offers an enjoyable mix of practical activities and theory.

Activities - you will be assessed on one team sport, an individual activity and another option of your choice. Possible options are hockey, netball, athletics, swimming, badminton and trampolining. There is also potential for you to be assessed on other sports in which you excel and which are on the list: for example, horse riding, sailing, skiing and gymnastics.

Theory - the written papers cover:

- Applied anatomy and physiology
- Movement analysis
- Physical training
- Sports psychology
- Socio-cultural influences
- Health, fitness and well-being
- Use of data

There is a practical moderation day that includes an analysis of performance.

How is my work assessed?

There are four components to the assessment for your GCSE work:

Components 1 and 2 - written exams (60%)

- **Component 1 – written exam** *1 hour 15 mins* (78 marks, 30%):
The human body and movement in physical activity and sport
- **Component 2 – written exam** *1 hour 15 mins* (78 marks, 30%):
Socio-cultural influences and well-being in physical activity and sport.

Components 3 and 4 – practical performance, analysis and evaluation (40%)

- **Component 3 – practical performance (30%)**
Here you undertake three practical options in the role of performer
- **Component 4 – analysis and evaluation (10%)**
This is a written analysis and evaluation of a performance to bring about improvement.

What next?

If you achieved a satisfactory grade, you could opt to continue your studies into the Sixth Form with physical education at A Level or BTEC. The subject sits well with other academic subjects, particularly those with a scientific basis. The healthy lifestyle knowledge and awareness you gain will be invaluable throughout your life, whatever your longer term career goals.



Religious Studies

Examination Board: AQA

Specification number:A8062

Why choose religious studies?

Religious studies provides the chance to appreciate different viewpoints and to examine your own. It will encourage you to have an enquiring mind and develop your ability to argue successfully, with the opportunity to evaluate and analyse texts, beliefs and opinions.

The key skills that you will develop are useful and transferable, particularly when also studying subjects such as English, geography and history. Religious studies is highly valued by employers and can be useful in a number of careers from journalism to the armed forces.

Is it for me?

Yes, if you have an enquiring mind and are interested in exploring beliefs, opinions, moral and ethical issues and are fascinated by questions about the meaning of life and the significance of moral decisions.

What will I learn?

The course combines the study of two religions alongside philosophy of religion and applied ethics. It is organised in two components:

For the first component you will learn about the beliefs, teachings and practices of Christianity and Buddhism. This builds on the work you have undertaken in KS3 religious studies. Topics to be explored include an understanding of the main characteristics of the Christian view of God; beliefs about heaven and hell; the nature and purpose of mission; worship and festivals; the early life of the Buddha including his enlightenment; the four noble truths; Buddhist ideas about human destiny; festivals; puja.

In the second component you will examine religion, philosophy and ethics in the modern world from a religious perspective. This will be examined with reference to Christianity and Buddhism. Themes for study are:

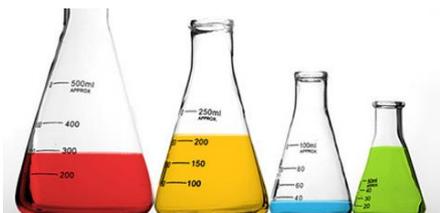
- **Religion and life:** an exploration of issues surrounding abortion, euthanasia and animal experimentation; the origins and value of the universe; the origins and value of human life.
- **Religion, peace and conflict:** religion, violence, terrorism and war; religion and belief in 21st century conflict.
- **Religion, crime and punishment:** crime and the causes of crime; the aims of punishment; forgiveness.
- **Religion, human rights and social justice:** the status of women in religion, the uses of wealth and freedom of religious expression; human rights; the exploitation of the poor; charity.

How is my work assessed?

At the end of your two-year GCSE study, there will be one 1-hour 45-minute examination on component one, worth 50% of the total marks, and one 1-hour 45-minute examination on component two, worth 50% of the total marks.

What next?

Religious studies forms a good foundation for most A Levels in humanities. Many pupils continue their study by taking the A Level in this subject, a top tier accepted humanities subject for Oxbridge and also highly valued by the influential Russell Group of universities.



Sciences

Examination Board: AQA

Specification Numbers:

8464 (combined science), 8461, 8462 & 8463 (separate)

Why take science?

Science is a core GCSE subject taken by all pupils, although, with staff guidance, you can choose whether to take it as a combined trilogy equivalent to two GCSEs or as separate subjects. This full range of qualifications is offered in order to maximise each pupil's chance of success whilst providing the opportunities to stretch the most able.

What will I learn?

Science (combined science: trilogy)

This combined course combines all aspects of science education, evaluating evidence and the implications of science for society. You will study the individual subject areas of biology, chemistry and physics over two years, with examinations at the end of Year 11. This will give you the equivalent of two GCSEs in science and allow you to go on to study A Level science subjects if you choose.

Separate sciences (chemistry, physics and biology)

If you are keen on science and have ambitions in this area, the option to take all three sciences is available to extend your understanding of concepts in more depth as a preparation to A Level, giving you a real chance to come to terms with the more demanding aspects of the subject.

If you are considering this option, we recommend that you discuss it with members of the science department before making a decision. Do be aware that it involves extra study over and above the modules studied in combined science. Topics for each subject include:

Biology:

- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response

- Inheritance, variation and evolution
- Ecology

Chemistry

- Atomic structure and the periodic table
- Bonding, structure, and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

Physics

- Forces
- Energy
- Waves
- Electricity
- Magnetism and electromagnetism
- Particle model of matter
- Atomic structure
- Space physics (physics only)

How is my work assessed?

Through a mix of practicals and examinations at the end of your two-year course. You will complete sixteen practicals in total for the combined trilogy award and eight practicals for each science in the separate science awards. The written examinations include a mixture of multiple choice, structured, closed short answer and open response questions. Combined Science exams are each 1 hour and 15 minutes long; the separate science subjects are longer at 1 hour and 45 minutes each.

What next?

Science allows access to an extensive range of career options, degree and post degree opportunities. It will also help you develop a wide range of skills and understanding of day-to-day experiences involving health, safety and an ability to judge without bias. We offer A Level studies in biology, chemistry, physics, psychology and applied science, all of which will enable entry into universities to continue your education in science on a wide range of degree courses

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Hethersett
Old Hall School

Oct 2017

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