



January 2012

Dear Student/Parent

You are at a point in your schooling where a range of choices is available to you. These choices will have a significant impact upon the opportunities open to you when you leave King Arthur's. In addition to this, over the last year changes have been made to the nature of the courses you can take. The way they are examined and the value attached to them as qualifications is changing. I will say more about this at the options evening next week.

Despite the changes however, the broad principles which determine sensible choices at the end of key stage three still apply. You should select your choices after careful consultation with your parents and staff at school. You should make choices with an eye on the future.

In years 10 and 11 40% (equivalent to 2 days a week) of your time in lessons will be spent following courses that you have chosen. It is important therefore to be prepared to stick with them when things get hard and to be prepared to work hard.

King Arthur's Community School in collaboration with other providers is proud of the wide range of courses available to you. Please be aware however that it is not possible to satisfy every combination and that the pathways have been designed to ensure that choices remain open to you after you have left.

Please read the booklet carefully. Continue to use the time between now and 6th February to clarify information and find out the requirements of particular subjects. Discuss the alternatives after 16 with your tutor and your parents and use the options evening to ask for advice and to gather information.

Yours sincerely

Ralph Wright
Deputy Headteacher (Curriculum)

King Arthur's Community School

Year 9 Options Booklet 2012

Contents

Core subjects (Descriptions)	Page	4
Option subjects (Descriptions)	Page	12
Glossary	Page	34
Making your choices	Page	35

Important Dates

Throughout January	-	Tutor group talks by Connexions/Careers advisor
Wednesday 25 th January	-	Introduction to your options and Option Booklets available from tutors
	-	Staying in learning presentation
Wednesday 25 th January	-	Yeovil College application forms collected from Mrs Creed
Thursday 2 nd February	-	Options Evening 7.00 p.m.
	-	Yeovil College applications must be handed in to Mrs Creed
Monday 6 th February	-	Option Choices form handed into your tutor
	-	Yeovil College applications sent off
May/June	-	Final confirmation of your options

The Core Curriculum

All students will continue with these compulsory core subjects.

GCSE or equivalent courses

English and English Literature

Core Science

Additional Science

Maths

Information Technology

Other courses

Physical Education

Short Course Religious Education and Short Course Citizenship: P.S.H.E. including themes from Careers, Citizenship, Work Related Learning, Sex Education, Learning to Learn, Thinking Skills, R.E.....

Options

You can also study up to **four** other courses chosen from the curriculum areas below. Some subjects count for 2 choices (DOUBLE). How you make your decisions will depend on your particular skills and interests and your preferred ways of learning. In the case of those few subjects offered in partnership with Yeovil College, Windmill and Paragon Training you will need to be responsible, self-reliant and be successful with your application and interview. Please read the subject details for these courses particularly carefully.

GCSE Subjects		
GCSE Art	GCSE Geography	GCSE PE
GCSE Business Studies	GCSE German	GCSE Photography
GCSE Catering	GCSE Graphics	GCSE Resistant Materials
GCSE Computing	GCSE History	GCSE Textiles
GCSE French	GCSE Music	GCSE Triple Science
Vocational - (SINGLE only)		
BTEC Sport		
BTEC Dance		
Vocational - Yeovil College, Windmill & Paragon Training		
Level 1		
Animal Care		
Land and Environment		
Motor Vehicle Studies		
Hair and Beauty		
Construction		
Engineering and Technology		

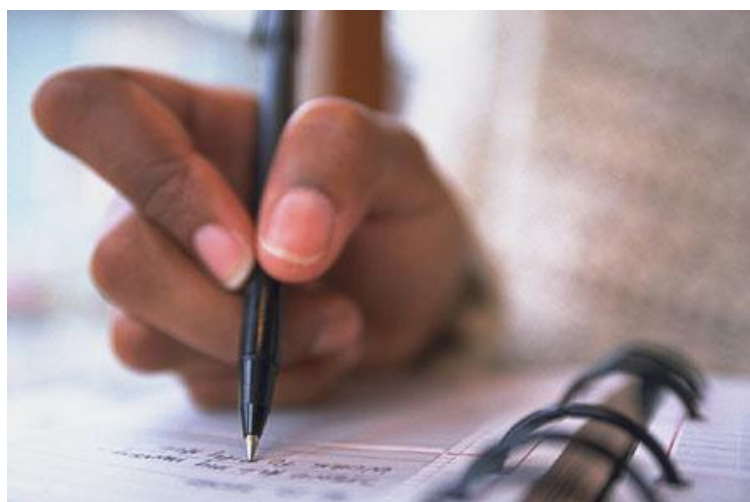
English

In Years 10 and 11 you will be following courses leading to the awards of **GCSE English** or **GCSE English Language and English Literature** in your English lessons. You will be helped to develop your ability to communicate accurately, appropriately and effectively in speech and writing.

There will be opportunities to research and write for a variety of audiences and purposes, and to read a wide range of literature and other texts. The course will help you to understand and respond imaginatively and critically to what you hear, read and experience in a variety of media (including articles, adverts and audio/video material). You will also be encouraged to reflect on your personal views and experiences.

Assessment (3 areas):

1. **Oral work** is an essential feature of the course, and assessments will be based on your performance and contribution in a variety of contexts including individual tasks, group discussions, presentations, debates and role-play. The Speaking and Listening component is worth 20% of your final grade.
2. **Coursework** will be completed in school, under ‘controlled conditions’. It is essential that you prepare as thoroughly as possible. You will be helped to plan your work so that you can express your ideas fully and effectively.
3. **Examinations**
Your understanding and response to written material and your ability to express your views and ideas will be assessed through examinations at the end of Year 11 for both **English** and **English Language and English Literature**. This means that the ability to plan ideas, to structure answers and to write clearly and informatively under pressure of time are important skills.



Mathematics

All students study Mathematics and the courses are designed to match your ability and requirements. Setting takes place to ensure you are working in a group that suits your capabilities.

You are prepared for the mathematics you will need later in life: this embraces the world of work, leisure and the examination requirements set by future employers or further education establishments. The examination also now includes elements of Functional Mathematics.

There are 2 entry levels for GCSE Maths.

At Foundation Level the grades available are C, D, E, F, G

At Higher Level the grades are A*, A, B, C, D.

Students are entered for the level that will enable them to achieve their highest possible grade. Each level will include a non-calculator paper with the emphasis on mental calculations and a calculator paper.

If appropriate some students are entered for an 'A' level based module in Year 11 and/or GCSE Statistics.

Your parents are encouraged to take an interest in your progress, and the department welcomes opportunities to discuss any area that may concern parents.

It is expected that all students will possess their own calculator. We recommend, therefore, that you should purchase a scientific model. A suitable model can be purchased in school for, at present £5.50.



Science

During year 10 and 11 students will study two different science GCSEs. These are Core Science and Additional Science. Students will have a separate teacher for each GCSE. Studying Core and Additional Science is compulsory however; some students also have the choice of taking Triple Science as one of their option choices. A third option is available which is BTEC Science. Your teacher will indicate to you if this is an appropriate course for you.

Core Science

Core science is made up of three different modules. Students will be examined on two in Year 10 and one in Year 11. The module tests are 60 minutes each and are written questions. The module tests make up 75% of the Core Science GCSE. The other 25% is an ISA (Investigative Skills Assignment). This is a practical exam followed by a written test that has replaced science coursework. Topics covered in Core Science include:

Biology	Diet, exercise, hormones, genes, drugs and surviving and changing in the environment
Chemistry	Atoms, rocks, metals, fuels, polymers, plant oils and the Earth and its atmosphere
Physics	Energy, efficiency, electrical energy and waves

Additional Science

Additional Science is also made up of the three traditional science subjects. Students will be examined on Biology at the end of Year 10 and Chemistry and Physics during Year 11. These are each worth 25% and are written papers. The other 25% is again an ISA practical exam. Topics covered in Additional Science include,

Biology

Cells, plants, genes and proteins, inheritance, gene technology and speciation

Chemistry

Structures, properties and uses of elements and compounds, rates of reaction, salts and electrolysis

Physics

Forces and motion, electricity and radiation

Triple Science

What is it?

Triple Science is the more traditional route of separate Science GCSEs. Students will study Biology, Chemistry and Physics separately and they will have a different specialised teacher for each subject.

Students will study for these three GCSEs during normal Science curriculum time and the extra time allocated from one of the students option choices.

Who is it suitable for?

Any student who has been predicted a level 6 or above by the end of Year 9 would be suitable for this option. Students considering taking AS or A level Sciences would be strongly advised to take the Triple Science option because it covers a much wider range of subjects to a higher level. It may also be useful for any students considering Mathematics, Engineering, Technology and ICT based careers.

Course Outline

Students will initially study the same units for both Core and Additional Science, but with specialised subject teachers. They will complete most of these during Year 10. Students will then cover the extra Triple Science modules for each separate science during Year 11. Students will also be required to complete an ISA practical exam for each separate science.

For further details about Triple Science, come and see us on curriculum evening or ask your Science teacher.

BTEC Applied Science

This is a hands on practical Science course. It is assessed throughout with coursework and from September 2012 there will be a final exam. Students will be selected at the end of Year 9 and recommended to follow this course.

Please check with your Science teacher to ascertain whether this course is suitable for you.



ICT CORE at KS4

All students will follow a core course in ICT that is completed in Year 10. Those students who choose to follow the option course in ICT will follow a more detailed and complex course of study that builds upon the core course and continues throughout the Key Stage finishing in Year 11.

In recent weeks there has been a series of announcements by the government that will have a major impact on the provisions of ICT in schools. As a result we are still awaiting information that will enable us to decide exactly what form our ICT courses will take from September 2012.

The following points, however, are clear.

Only the new style of vocational ICT course will be regarded as being equivalent to a GCSE level .

ALL new ICT courses will include an examination. In the majority of cases this will be a written theory examination taken at the end of the course, as is the case for all other GCSE level examinations. In addition to this students will need to produce portfolios of work and undertake Controlled Assessments that demonstrate their skills and understanding.

Core Course

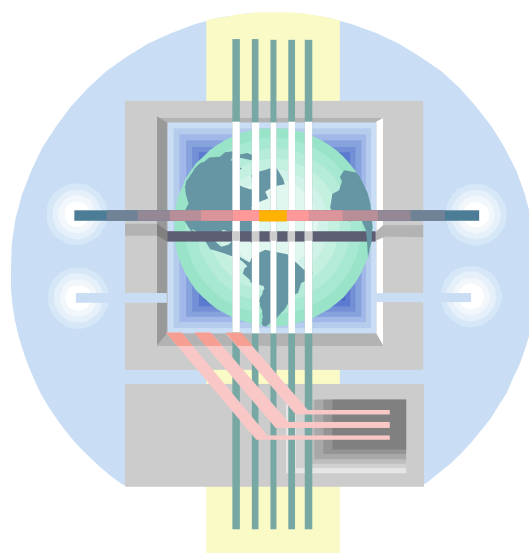
The core course will be completed by the end of Year 10. It will lead to the equivalent of either a Short Course GCSE or a single GCSE depending on the quality and amount of work done. Work presently being completed in Year 9 is designed to count towards this qualification.

Option course

This course will be additional to the core course and could well lead to the equivalent of a double GCSE course. The modules to be taught in this course will include a range of different uses and application of advanced ICT skills and knowledge.

Both courses will have a mixture of Controlled Assessments and Terminal examination.

ICT courses at present are being reviewed at National level and await accreditation. As soon as I have more detailed information I will convey this to you.



Physical Education

All students in Year 10 choose to follow either a 'competitive' or 'creative/games' pathway. Each pathway has a selection of activities aimed at allowing students to develop their physical and creative skills further, as well as providing opportunities for them to transfer their skills to alternative activities.

Students in Year 11 have the option to change pathway or continue with the one chosen in Year 10.

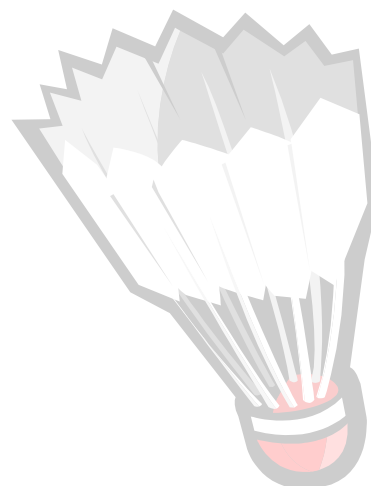
A selection of activities available include the following:

Aerobics, Badminton, Basketball, Boxing, Cricket, Dance, Girls Health & Fitness, Fitness Suite, Football, Golf, Hockey, Handball, Netball, Rock-it-Ball, Rounders, Rugby, Soft Ball, Table Tennis, Ultimate Frisbee, Volleyball.

JSLA

All students will be offered the opportunity to follow the Junior Sports Leader Award during their core PE lessons.

This qualification develops students' leadership qualities. It is a highly regarded qualification for students to obtain, particularly for those wishing to pursue a career involving sport, leisure or leadership, or those wish have evidence of their leadership skills.



Personal, Social and Health Education (P.S.H.E.)

PSHE is followed by all students throughout their five years at King Arthur's.

The key elements of the course in each year are:

- Citizenship
- Personal well being
- Economic well being and financial capability.

Citizenship

Encourages respect for other cultures and an understanding of what it means to be British. Students will learn about the idea of identity - what this means, human rights and political rights, law and the justice system. The course aims to encourage students to consider their community in its different forms local and national and how they can contribute to and participate in community life.

Personal well being and moral development.

Embraces all aspects of personal growth. Learning about feelings, key changes in adolescent life and building confidence and self esteem. Students learn about healthy lifestyles, building and managing relationships, understanding and recognising risky behaviours.

Economic well being and financial capability.

Traditionally this area has encompassed careers and all aspects of career development, options, interview preparation, curriculum vitae and personal statements. Input from colleges and support agencies is planned into student's progress throughout the school. Additionally, now students will also look at aspects of the modern consumer world and prepare for money management, understanding finance and mortgages, purchasing vehicles, planning holidays and furnishing accommodation.

Assessment

In the Upper School students can use the work covered in PSHE to undertake a number of examination options including short course RE and Citizenship. This is optional and some students may choose not to pursue the course to examination.

Option Courses

GCSE Art and Design

The department offers a wide range of exciting activities leading to GCSE examinations in Art and Design.

Students follow a broad course in drawing, painting, printmaking, collage, sculpture and digital artwork which involves working in media such as pencils, various paints, inks, chalk pastels, oil pastels and modelling materials. Projects incorporate a large degree of research, development of ideas, flexibility and personal response, allowing students to specialise in areas of strength as well as developing basic observational skills.

Homework is set weekly, and will take the form of preparatory sketches, continuation of class work and the collecting of resource material. The final grade is derived from a 60% portfolio presentation (coursework component) and 40% controlled test (examination component), all of which is of a practical nature. The examination is set by AQA.

The subject enables students to interpret and solve problems using visual language in a creative and logical manner through observation of their environment. The GCSE qualification is essential to students thinking of a career that requires personal enquiry, creativity and development of ideas.



GCSE Business Studies

Business Studies will give learners the knowledge, understanding and skills that they need to prepare for employment. The GCSE course is a two year course with two externally assessed exams (each 25% of the total GCSE marks) sat in June and a controlled assessment task (50% of the total GCSE marks).

There are three units to study :

Unit 1 – Introduction to Small Business (25% of marks)

- Spotting a business opportunity
- Showing enterprise
- Putting a business idea into practice
- Making the start- up effective
- Understanding the economic context

Unit 2 – Investigating Small Business (50% of marks)

- Research into an externally set task question set by the examining body (6 hours)
- Analysis and evaluation of the set task (final write up taking 3 hours)

Unit 3 – Building a Business (25% of marks)

- Marketing
- Meeting customer needs
- Effective financial management
- Effective people management
- The wider world affecting business

GCSE Catering

What is Catering?

During this course, you will learn about the different aspects of the Catering Industry. From producing high quality dishes to learning about the employment & business opportunities with the industry, this course will give you a valuable insight into this demanding yet enjoyable and rewarding industry.

Why should you choose this subject?

You would choose this subject if you enjoy cooking and would like to learn how to cook to a professional standard, and are maybe thinking about gaining employment within the Catering Industry. This course is an excellent precursor to Level 3&4 BTEC Catering courses offered locally.

Please be aware that you will be required to work to precise deadlines and that you will be asked to bring your own ingredients to the practical lessons.

What will you learn?

- About the Food & Drink Industry-Types of Establishments & Services that provide Food & Drink: Contract Caterers
- About the Job roles & Employment Opportunities with the Catering Industry
- How to Prepare, Cook & Present Food to a professional standard
- About Nutrition & Menu Planning
- About Costing & Portion Control
- About different Types and Uses of Specialist Equipment
- About Health, Safety & Hygiene
- About Communication & Record Keeping
- About Environmental Issues & Considerations within the Catering Industry

How is the course structured and assessed?

Year 10 – five units of work which support & develop practical skills and knowledge. Also One Controlled Assessment (Task One) which is worth **20%** of the overall GCSE grade. This assessment is split into three distinct sections. These are; Planning: Practical: Evaluation. This assessment is teacher assessed, then moderated by the exam board.

Year 11 – five units of work which further support & develop practical skills and knowledge. Also One Controlled Assessment (Task Two) which is worth **40%** of the overall GCSE grade. This assessment is split into three distinct sections. These are; Planning: Practical: Evaluation. This assessment is teacher assessed, then moderated by the exam board.

GCSE Computing

This new course will give students an in-depth understanding of how computer technology works and a look at what goes on “behind the scenes”. As part of this they will investigate computer programming.

The course will comprise 3 units – two controlled assessments and a written exam paper.

Computer Systems and Programming

Students learn about the nuts and bolts of a computer system. They will look at the differences and connections between inputs, outputs, storage devices and processors. They will learn about different types of memory and understand the purpose of binary within a computer system. They will also look at different types of network from various Local Area Networks to the internet. Finally they will understand and be able to use basic programming principles.

Practical Investigation

In this unit students design and create solutions to problems using a combination of research and low level computer programming techniques. They will assess the benefits and limitations of the solution they have created and produce a formal report on the work they have done.

Programming Project

Students will learn the 3 basic programming constructs used to controller program flow, they will learn to use different data types appropriately including string manipulation. They will understand basic file handling operations. This will culminate in a designing, creating, testing and evaluating a coded solution to a problem.

This course requires a good deal of commitment and the ability to work fast under pressure. It is for those students who feel that a future in some aspect of software development or programming is a possibility. It is not a course that deals primarily with the hardware side of computers.

GCSE Geography

Geography is a living subject. It is always changing, it is always challenging and thought provoking. The GCSE course will help you develop a greater understanding of the world around you and explore the many issues that will confront you as an adult. You will be given chance to voice your opinion and extend your decision making capabilities through discussion in almost every lesson.

You will require good research skills, a capacity to interpret, describe and give reasons for issues studied. Above all you will need an enthusiasm for the subject, willingness to work and a motivation for asking questions about the world around you.

Content

There are four units to study:

1. Dynamic Planet – plate tectonics, climate change, the environment, coasts, extreme climates
2. People and the Planet – population, resources, changing cities, changing work
3. Making geographical decisions
4. Researching geography

Assessment is based on exams in June and a Controlled Assessment piece of work based on fieldwork to Exeter.



GCSE Graphic Products

What is Graphic Products?

Graphic Products is all about producing visual material to promote and inform in order to make a product or a service more desirable. Think about famous logos e.g. Apple, Nike, McDonalds or branded foodstuffs like Kellogg's Coca-Cola, etc. These all rely on graphic imagery to increase their appeal. These are also examples of Graphic Products:

Posters; Magazines; Leaflets; CD/DVD/Games covers & booklets; Point of sale displays; Packaging; Logos; Letterheads; Business Cards; Signs; Brochures; Corporate identity; Pop-up books; Maps; Bank notes; Postage stamps; Book covers; Comic strips; Calendars; Web pages; etc.

Why should you choose this subject?

You would choose this subject if you like designing and being creative using paper, card and digital media.

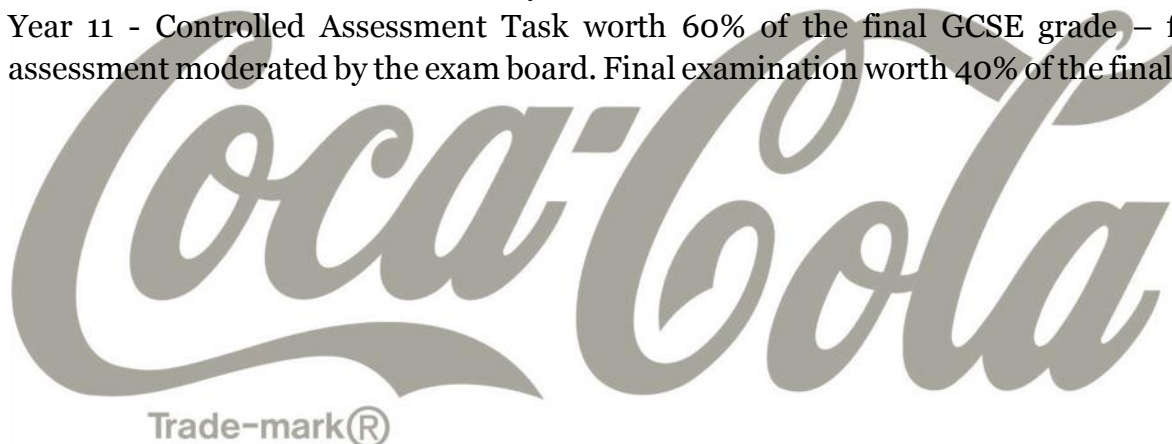
What will you learn?

- How to create and manipulate graphic imagery using hand and computer based techniques e.g. airbrushing, printing, laser cutting, knife cutting machinery, die cutting, embossing, laminating, stencilling, digital photography, scanning, etc.
- How to use and combine a range of different materials to create unique graphic products, both 2 dimensional and 3 dimensional, static and dynamic
- About packaging and advertising and the importance of the role of the graphic designer in this
- About the print industry and how graphic products are manufactured on a commercial basis
- How computers can be used for designing and making
- About social and environmental issues

How is the course structured and assessed?

Year 10 - skills based tasks and theory work – teacher assessed

Year 11 - Controlled Assessment Task worth 60% of the final GCSE grade – formal assessment moderated by the exam board. Final examination worth 40% of the final grade.



GCSE History

History provides an interesting course in Year 10 and 11 that will prepare learners for a wide range of careers which involve analysis and evaluation of complex issues. Furthermore the course is widely respected as a sound academic training for further education.

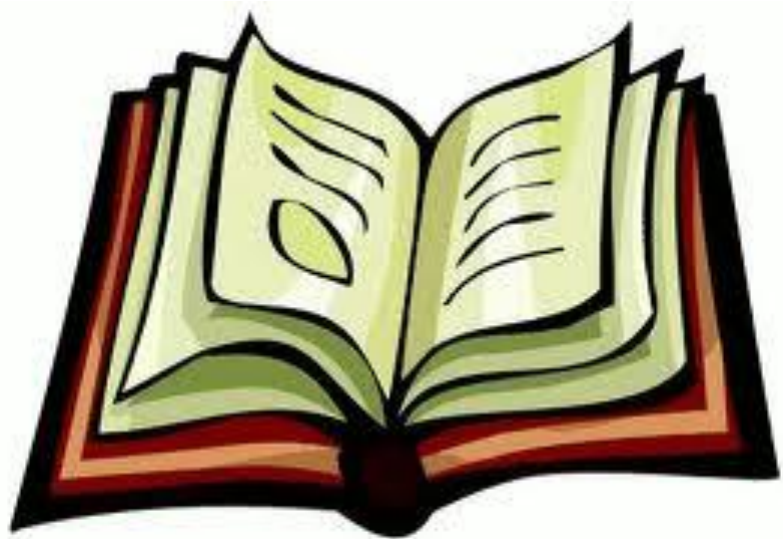
There are three units to study:

- 1) The history of medicine from pre-history to modern times (Exam in June)
 - A study over a long period of time (prehistory → 20th Century) of one theme.

- 2) The American West (Exam in June)
 - A study in depth of one topic which focuses on clashes of culture and the early settlement of North America.

- 3) 18th Century England. This assessment will include a field visit to The Georgian House in Bristol. (Controlled assessment in Year 11)
 - A local study focusing on architecture, the impact of the Slave Trade and fashion in the second half of 18th Century

History will prepare you for various careers including law, civil service, teaching, police, nursing, accountancy and many others. It is a subject which teaches students to be critical, discerning and able to make decisions on sound reasoning. It is widely respected by universities and colleges.



GCSE Modern Languages – French and German

A few facts:

- ✓ You can continue your study of French, German and Spanish to GCSE level as long as you have begun that language at Key Stage 3
- ✓ We offer a course set by Edexcel which involves 2 formal exams
 - Reading (20%)
 - Listening (20%)
- ✓ 2 internal assessments (marked by the teacher, moderated by Edexcel)
 - Speaking (30%)
 - Writing (30%)

Common questions/myths debunked

Languages are difficult

Well no they are not really. Our lessons are carefully planned to allow you to fulfil or exceed your potential and will be differentiated to suit your individual ability. As well as fulfilling the criteria of the exam board we will teach you what you actually want to know from good chat up lines to useful courtesies when ordering a meal and how to haggle prices at market stalls!

Everyone speaks English so why bother to learn another language

Sadly it's simply not true to say that everyone speaks English. They simply don't! Many children learn English at school but don't speak it very well and your knowledge of another language opens doors which would remain firmly closed otherwise. It always makes a good impression to speak in the language of the country you are visiting. Just take a look at Tony Blair who always speaks in French at high level political meetings in France. Oh, and internet translators simply are not up to the job. Language is a human thing and no machine can think like a human!

Languages are boring. I haven't enjoyed them up to now so why carry on?

Boring eh? All those verbs and lists of vocabulary and then trying to make sentences where you can't think of the little words? Well we can tell you that we know year 9 is a tough year to get motivated in anything and it does get better in year 10. A staggering 100% of our current year 10 linguists do not regret taking languages. We have not had a single student drop out; at least two have transferred to the course and do not regret it and everyone feels positive and successful. Languages are cool – honestly!

I'm never going to go to France or Germany so it's pointless to learn the language

We sincerely wish you a long, happy life full of international travel and know that speaking other languages will make you a participant in life rather than merely a bystander. You don't know what opportunities await you in your life and if you are thinking about university and gap years, then knowledge of languages other than your own will vastly enhance that experience as it will enhance all travel and holiday opportunities you may have.

Think carefully before you say no to languages. Experience tells us that if you drop your languages now you are very unlikely to pick them up later and they are a skill many employers highly value. Many people (including some of your parents!) tell us how much they regret not continuing with languages.



GCSE Music

- You do not have to be able to read and write music to do the GCSE exam. An understanding of how notation works will help but you do not have to use music notation
- You do not have to have any instrumental exam grades.
- You obviously have to be interested in Music and be able to play one instrument or sing. (That may be just playing the keyboard in class, as long as you are reasonably confident).
- You will be able to make use of music ICT to compose and perform.

What to expect

You will listen to and learn about many different styles of Music including Classical, World and Pop music. You must be prepared to learn about a very wide variety of music so it helps to have an open mind. There are set works we have to study.

You will compose your own music and choose your best two pieces for the exam.

You will perform 1 solo piece of your choice and 1 ensemble performance piece; these performances can be in any style you choose.

Assessment

The compositions are worth 30% of the exam.

The performances are also worth 30% of the exam.

The last 40% is a listening test covering all the set works listened to during the course.

How will Music help you?

You may not want to become a musician but employers are always impressed by people who have a music qualification as it shows: -

- (a) Dedication
- (b) Creativity
- (c) An ability to work independently
- (d) Someone who is good at cooperating with others
- (e) Someone who has a skill and is coordinated
- (f) Someone who is a good listener

Music is a well respected qualification with employers and colleges.

“Often those who complete Music GCSE improve their communication, confidence and performance skills in front of strangers” – *Emma Rolls from Thales Underwater Systems Ltd*

“Music education builds excellent communication skills useful for those entering music and other professions” – *James Phippen from Strode College*

GCSE Photography: Lens-Based and Light Based Media

Students will be set exciting tasks which explore a range of approaches and experiment with a variety of technical processes, materials and media. The study of and reference to the work of other photographer’s forms an intrinsic part of the course throughout.

Course requirements:

- A reasonable digital camera would be an advantage. For any technical advice see Mr Tinsley
- The willingness to work with computer/photographic software – the majority of the course will take place in an IT suite.
- The ability to study independently is essential since a lot of the course involves the development and refining of ideas.

How is the course structured and assessed?

- “Portfolio” presentation selected by the students from work undertaken during the course = 60% of total mark
- Externally set task = 40% of total mark



GCSE Physical Education

It complements G.C.S.E Science with in depth study of such areas as the respiratory, skeletal, muscular and circulatory systems.



Is this the right subject for me?

If you enjoy:

- Like developing knowledge and understanding through practical involvement
- Interested in learning about the benefits of sport and exercise
- or if you are considering a sports-related career or an A Level/higher education course then GCSE Physical Education is the right subject for you.

What do I need to know, or be able to do, before taking this course?

Students studying this course must attend extra curricular sport activities and represent the school in at least one sport. They should also ideally participate in sport at a local club.

You can perform in one or all of the following roles: **player/participant, leader or official.**

How will I be assessed ?

Unit 1 – Examination 40%	Unit 2 – Controlled Assessment 60% Practical and Coursework
Unit 1 is externally assessed through a <u>written examination</u> paper of 1 hour and 30 minutes. This will contribute a maximum of 40% towards your total marks.	Unit 2 is assessed in two sections. Section 1 – four practical performances in the role of either player/participant, leader or official. You can achieve 48% of the marks from your four performances , two of which may be in the role of a leader or official. Section 2 – analysis of performance in one of the chosen activities. This will be worth 12% of the marks and should include planning, performing and evaluating a Personal Exercise Programme

What can I do after I've completed the course?

As well as being the ideal preparation for the A Level Physical Education course, GCSE Physical Education allows for progression to related vocational qualifications, such as BTEC Firsts and Nationals in Sport or Sport and Exercise Sciences. The course develops the transferable skills and key skills that employers are looking for and can lead to a wide variety of employment opportunities. This can include further training in areas such as recreational management, leisure activities, coaching, officiating, the fitness industry, the armed forces and the Civil Service.



GCSE Resistant Materials Technology

What is Resistant Materials Technology?

Resistant Materials Technology is a wide and far reaching subject which has a huge impact on our daily lives. It is mostly about designing and making high quality products using materials like wood, metal and plastic. Hand working skills as well as the use of machinery (including the laser cutter) are an important aspect of the subject. Manufacturing techniques, sustainability and the environmental impact of products are also important elements that will be looked at.

Why should you choose this subject?

You would choose this subject if you are creative, like doing practical tasks, or want to improve your practical skills when working and designing with resistant materials.

What will you learn?

- How to work accurately using a wide range of materials to create high quality outcomes
- Methods for joining material such as traditional wood joints; knock-down fittings; brazing; welding; adhesives, etc
- How machinery such as centre lathes; milling machine; laser cutter; router, etc can enhance accuracy and productivity
- The properties and working characteristics of traditional and modern materials including SMART materials
- How to produce creative and innovative design ideas
- How computers can be used for designing and making – CAD/CAM
- About social, moral and environmental issues

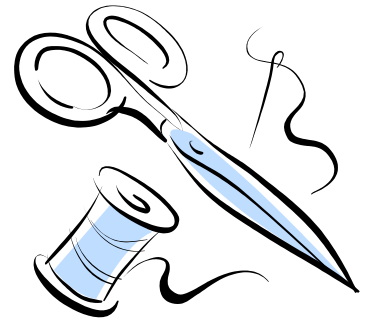
How is the course structured and assessed?

Year 10 - skills based tasks and theory work – teacher assessed

Year 11 - Controlled Assessment Task worth 60% of the final GCSE grade – formal assessment moderated by the exam board. Final examination worth 40% of the final grade.

GCSE Textiles Technology

What is Textiles Technology?



The Textiles Industry remains one of the UK's major industries. From the factory, to the High Street, to the Catwalks of The World's major fashion capitals, the 'British Look' has always been recognised as a leader in a very competitive market. British Textile craftsmanship has also helped world renowned companies like Cameron Balloons and Gore-Tex to set and maintain a reputation for excellence.

The Textiles Technology course is about learning how items are designed, made and marketed for the Fashion, Home Furnishing and Technical markets. This course is an exciting blend of experimentation, artistry, technical skill and knowledge.

Why should you choose this subject?

You would choose this subject if you like designing and being creative with fabrics, dyes, paints, buttons and a sewing machine. Also, you should consider this subject if you would like to follow one of the following career paths-Textile Print Designer: Fashion Designer: Fashion & Textile Buyer: Textile Artist: Retail Assistant/Manager

What will you learn?

- How to be creative and innovative when designing and making a range of Textile products. You will learn how to use and manipulate a range of Textile techniques including Dyeing & Printing, Embroidery & Appliqué, Quilting & Weaving
- How to use and develop design briefs that will appeal to and meet the needs of different target markets
- About Fibres & Fabrics: Finishing Processes: Components: Design & Market Influences: Product Analysis: Manufacturing Systems: Social & Environmental Issues
- How ICT can be used for designing and making Textile products
- How to work collaboratively in a design team

How is the course structured and assessed?

Year 10 – A series of Design & Make Tasks and supporting theoretical work (teacher assessed).

Year 11 - One Controlled Assessment Task worth 60% of the final GCSE grade (formal assessment moderated by the exam board).One final written examination worth 40% of the final GCSE grade.

BTEC

at

King Arthur's

BTECs are applied courses where students study a subject in a work related context.

From September 2012 they will be equivalent to 1 GCSE

BTEC Level 2 Extended Certificate in Sport

This is a single option equivalent to 2 GCSEs

A BTEC Certificate in Sport is a practical, work-related course. You learn by completing projects and assignments that are based on realistic workplace situations, activities and demands.

It introduces you to working in the sports industry and provides a good basis to go on to a more advanced work-related qualification.

A BTEC First Certificate is equivalent to two GCSEs grades A* – C.

You will study three/four modules including:

- Fitness Training and Testing
- Practical Sport
- Modules 3-4 to be confirmed – depending on group strengths

These modules will be assessed through a variety of means including: written projects, research work, practical assessments, presentations and coaching tasks. There are no examinations.

You will be encouraged to take responsibility for your own learning by ensuring that all projects and assignments are completed on time.

Students completing this qualification may continue to the next level at college and go into careers in:

- Sports Centres
- Leisure Centres
- Outdoor Activities Centres



BTEC Level 2 Extended Certificate in Performing Arts - Dance

This is a single option- equivalent to 2 A*-C grades

Students with a keen interest in dance will find this both challenging and rewarding. You will gain a deeper understanding of dance technique, dance composition and a wider knowledge of the dance/arts profession. You will be learning, creating and performing dances throughout this course.

You will study at least 3 modules including-

- **Performing Dance;** Learning and performing a variety of dances
- **Contemporary Dance;** Learning and choreographing through a range of contemporary styles
- **The Development of Dance;** A theoretical and practical study of different dances through history to present day

These modules will be assessed through a variety of means including: weekly observation and evaluations, performance assessments, written reviews and written projects. There are no examinations.

If you enjoy dance, like being creative and take pride in your work, this is the perfect option for you. The course is ideal for those wishing to pursue dance either as a career or studying performing arts at post 16 level. Students must be confident, able dancers who are motivated and have self-discipline. Students must be aware that they are required to perform in this course.

The school dance kit, which includes a dance T-shirt, Jazz Shoes, black dance trousers and optional jumper, are available for purchase.



**Vocational
Qualifications
at
Yeovil College,
Paragon &
Windmill
Training**

VOCATIONAL OPPORTUNITIES AT KEY STAGE 4

You should consider studying for one of these qualifications if you have a real interest in pursuing a relevant vocational career.

Where will you study?

Depending on the qualification you select you will study at either one of the following centres:-

Yeovil College Main Campus

Yeovil College Construction Centre

Bridgewater College, Yeovil Centre at Lufton Manor College

Paragon & ITE Group Workshops at West Hendford

Windmill Training, near Montacute

How will you study?

Although these study courses are predominantly practical there is also a theory element that must be given equal consideration.

How long are the courses?

You will study for 5 hours a week over 2 years, on Friday during Year 10 and on Thursday in Year 11.

How will you be assessed?

During this time you will be continually assessed on your ability to demonstrate the vocational skills you have learned as well as producing a portfolio of supporting material including written assignments, log books, witness testaments and photographs. For some courses there will also be on-line assessments.

How do you get a place on a course?

Places on these courses are limited so initially you will be asked to complete an application form indicating your first and second choice of course. You will then be invited to interview at Yeovil College where you will be expected to show some knowledge of the course you have chosen to study as well as a commitment to learn. In some cases you will also be asked to attend a taster day at which you may be asked to complete a trade test to assess your suitability for the course.

Students will be required to complete a Yeovil College application form and attend an interview.

Level 1 – Animal Care

This course is designed to provide an introduction to all aspects of animal care, husbandry and handling. You will learn practical husbandry skills as well as gaining hands-on experience of working with exotic and domestic animals. Subjects studied are flexible but will include health and safety, job opportunities and professional responsibilities as well as the care of small animals and farm livestock.

Formal tuition is a mixture of theory and practical sessions with transport provided to the Bridgwater College, Yeovil Centre at Lufton Manor College.

For this course steel toe-capped boots and overalls must be worn and you must have up to date protection against tetanus.

On gaining your qualification you may decide to continue at college progressing to a full time programme or alternatively you may decide to opt for an apprenticeship.



Level 1 – Land and Environment

This level 1 course will cover a range of topics such as caring for livestock, estate skills, agriculture, land based technology and horticulture. You will learn practical agricultural skills as well as gaining hands-on experience of working with farm animals and tractor driving. Subjects studied are flexible but will include health and safety, job opportunities and professional responsibilities as well as machinery operations.

The course will be delivered at Windmill Farm, near Montacute. All equipment and transport to the practical sites will be delivered. For this course steel toe-capped boots and overalls must be worn and you must have up to date protection against tetanus.

At the end of the course you may decide to continue on to a full time course in land based studies or opt for an apprenticeship.



Level 1 – Motor Vehicle Studies

This course is a flexible programme designed to meet the needs of those who wish to acquire the introductory knowledge and skills relevant to various areas of the industry involved in motor vehicle repair and related fields. You will develop an understanding of the health and safety which governs the industry and develop practical skills in all aspects of the motor trade

Formal tuition is delivered at the Paragon and ITE Group workshops at West Hendford in Yeovil.

For this course full safety equipment is supplied and must be worn in all practical sessions. After completing the course you may consider seeking an engineering apprenticeship or employment within the motor trade.



Level 1 - Engineering and Technology

The course will look at the basic maintenance and repair of vehicles ranging from lawnmowers, motorbikes, cars and engine types up to 40 tonne diggers and earthmovers. The qualification is flexible enough to enable some scope in choosing from a mix of units that will enable them to gain skills relevant to their interests within this area. For this course full safety equipment is supplied and must be worn in all practical sessions.

This course will be delivered at Windmill Training near Montacute.

At the end of the course you may decide to seek employment, usually through an apprenticeship training programme, in a number of related areas including the motor trade, heavy plant works, horticulture and a range of other careers.

Level 1 – Hair and Beauty

This course is designed to provide an insight into all aspects of the Hairdressing and Health & Beauty Therapy industries. You will learn about customer service, reception duties, Health and Safety, hairdressing services, perming and colouring hair, application of cosmetics and the provision of manicures.

Formal tuition will be delivered at Yeovil College, alternating between classrooms for theory learning and the Yeovil College in-house salon for practical work. Your knowledge of the theoretical aspects of this course will be assessed through a number of on-line tests.

After gaining the City & Guilds Level 1 certificate you could consider continuing at college to gain an NVQ Hair Level 1 or an NVQ Level 2 Hair or Beauty Therapy. Alternatively you may decide to seek employment in the Hair and Beauty industry.



Level 1 – Construction Skills

The course will give you an introduction to the construction industry. You will learn basic plumbing and carpentry skills, how to store building materials, mix concrete, mortars and plaster, cut and lay bricks and blocks, apply finishing materials and set out construction sites.

The course will be delivered at the Yeovil College Construction Department at the Lufton Trading Estate, opposite Yeovil Town Football Club and at Windmill Training near Montacute. You will sit an external on-line examination at the end of the course. Once you have completed the course you will have a better idea of the area of construction in which you want to work. You may look for an apprenticeship in wood occupations, plastering, trowel occupations, painting and decorating, plumbing or electrical installation. Alternatively you may consider a full time course in plumbing, electrical installation or general construction skills.



There are also many people in school who are happy to give you help and answer questions

Your Tutor	Miss. Elliott	Mrs. Fuller	- Head of Lower School
	Miss Gibbs	Mr. Roost	- Head of Careers
	Mr. Roost	Mr. Wright	- Deputy Headteacher
	Mr. Tervit	Mrs. Wilkes	- Headteacher
	Mr. Thomson	Mrs. Martin	- Connect South West

Glossary

GCSE	General Certificate of Secondary Education
BTEC	Business and Technology Education Council (Edexcel exam board – Vocational Qualification)
External Marking	Applied to work that is sent to the Examining Boards to be assessed.
F.E.	Further Education
Key Stage 4	Final Key Stage of the National Curriculum.
Module	Usually a short period of study on a particular topic that is assessed on its completion, rather than later in an examination.
Vocational	Courses which are designed to prepare students for work or specific areas of employment. They are often unit assessed with no final examination.
Work Experience	Two weeks of school time spent at a place of work without pay that you arrange yourself. Local employers give students the opportunity to experience various aspects of employment.
NVQ courses	National Vocational Qualification Entry Level (1, 2 or 3) are below GCSE grading levels Level 1 – this is at the same level as a GCSE at Grades D to G Level 2 - this is at the same level as a GCSE at Grades A* to C

Making your choices – what to do

There are three pathways which combine the subjects on offer in different ways. These combinations are designed to ensure that your choices after leaving King Arthur's are not limited. You should first of all choose a pathway which best suits your likely career route. Your attainment in school so far should be taken into account.

Blue pathway. The baccalaureate is a new qualification introduced in 2011 which many Higher education institutions (the 20 Russell group Universities) hold in high regard. Suitable for students achieving level 6 and above currently in Year 9.

Yellow pathway. The GCSE/Applied pathway combines traditional GCSE courses, GCSEs which are more closely related to the world of work and some BTEC courses. Suitable for students achieving level 5 and above currently in Year 9.

Green pathway. The Applied pathway comprises of Yeovil College level 1 courses and some work related BTECs and GCSEs. Note that these courses are equivalent to grade D and below at GCSE and should be considered by students currently attaining level 4 and above

Once you have chosen a pathway you then have 4 choices within that pathway.

Detach the pathway form and write your choices in the box below. Sign the form (parent and student). Return the form to your tutor who will check and sign the form. All forms are then passed to Mr Wright.

Note that if you are applying to Yeovil College you must return two forms, the pathway form (green) and the Yeovil College course form.

You must not mix up the pathways.

We will do our best to meet all of your choices however we cannot guarantee every selection.

Good luck, think ahead.

Baccalaureate Pathway

Name _____

To achieve the baccalaureate you **must** choose a Modern foreign language and either Geography or History. You are likely to be currently achieving level 6 and above in your core subjects. Avoid choosing subjects with an obvious overlap e.g. Photography and Art. Make one choice from each row. Write your choices in the box below, return the form to your tutor.

	Baccalaureate Pathway (blue revised)
A	GCSE Computer Studies GCSE French GCSE German GCSE Music GCSE PE
B	GCSE Art GCSE Geography GCSE History GCSE Photography
C	GCSE Catering GCSE Geography GCSE Graphics GCSE History ICT (course accreditation to be confirmed).
D	GCSE Art GCSE French GCSE Resistant materials GCSE Textiles

My choices	
A	
B	
C	
D	

Signed (Parent) _____

Signed (Student) _____

Signed (Tutor) _____

GCSE and Applied Pathway

Name _____

Make one choice from each row. You are likely to be currently achieving level 5 and above in your core subjects. Avoid choosing subjects with an obvious overlap e.g. ICT and Computer Studies. Make one choice from each row. Write your choices in the box below, return the form to your tutor.

	GCSE and Applied Pathway (yellow revised)
A	GCSE Business Studies GCSE Computer Studies GCSE French GCSE German GCSE Music GCSE PE
B	GCSE Art GCSE Geography GCSE History GCSE Photography
C	GCSE Catering GCSE Geography GCSE Graphics GCSE History ICT (course accreditation to be confirmed) BTEC Sport
D	GCSE Art ICT (course accreditation to be confirmed) GCSE French GCSE Resistant materials GCSE Textiles BTEC Dance

My choices	
A	
B	
C	
D	

Signed (Parent) _____

Signed (Student) _____

Signed (Tutor) _____

Applied Pathway

Name _____

Make one choice from each row. In rows A and B your choice must be the same course. Write your choices in the box below, return the form to your tutor. Note these courses are level 1 courses equal to GCSE grade D and below.

Applied Pathway (green revised)	
A	Yeovil College Level 1 courses Animal Care Land and Environment Motor Vehicle Studies Engineering and Technology Hair and Beauty Construction Skills
B	
C	GCSE Catering GCSE Graphics ICT (course accreditation to be confirmed). BTEC Sport
D	GCSE Art ICT (course accreditation to be confirmed). GCSE Resistant Materials GCSE Textiles BTEC Dance

My choices	
A	
B	
C	
D	

Signed (Parent) _____

Signed (Student) _____

Signed (Tutor) _____