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Committed to Achievement

Year 12
Subject Specific Guidance
for
September 2016

A Level Fine Art

Exam Board: AQA Fine Art 7242/C, 7242/X, 7202/C, 7202/X

Entry Requirements: B grade at GCSE level in this subject.

Form of Assessment:

The AS year requires students to produce two units of work. **Component 1 7242/C** - is a personal portfolio which responds to a particular theme. This forms 60% of the final grade for AS.

Component 2 Externally set Assignment 7242/X is a portfolio of work produced in response to a theme given by the exam board. Students are given approximately 10 school weeks to complete this and are then required to produce a final outcome during a 10 hour exam. This is worth 40% of the AS grade.

At A Level the format is very similar students again submit **components 1 and 2 (7202/C and 7202/X)** which are given the same weightings as above. The exam time for component 2 at A level is increased to 15 hours. In addition students are required to produce a 2000 word essay to accompany their personal portfolio for component 1.

Course Content Description:

Work produced for this specification will demonstrate creative development and contextual understanding, giving visual form to individual thoughts, feelings, observations and ideas. Students will show evidence of trying to extend their own and others' ways of seeing the world. They will use the visual language of the subject sensitively and thoughtfully to support their intentions and will be able to articulate using technical vocabulary.

In the context of this specification, students will be required to work in one or more areas of fine art including painting and drawing, printmaking, sculpture, installation art, photography and the moving image.

Further information:

If you have queries regarding any aspect of this course please contact Mrs Harris, Learning Leader for Art and Photography at: s.harris@coxgreen.com

Higher Education Application:

Possible courses include: Art and Design Foundation; BTEC National Diploma in Vocational Design or General Art and Design; B.Ed.; BTEC Higher National Diploma; University Degree; Postgraduate Studies, including Postgraduate Certificate in Education.

Future Careers Information:

Painting, sculpture, ceramics, print-making, performance, video, computer and holographic art, teaching, arts administration, art therapy, community arts, books and magazines design and illustration, graphic/product/industrial design, architecture, TV graphics, furniture, shop interiors, theatre lighting systems, medical and kitchen equipment, jewellery, fashion wear, typography, package design, computer and video graphics, wallpapers, theatrical costume design, set and prop design for films/TV/theatre, fashion and textile design, sports and leisure wear, interior design, exhibition design, restoration, film and television.

A Level Biology

Exam Board: OCR 'A'

Entry Requirements: Average B grades in GCSE Double Science (Core and Additional) or Average B grades in GCSE triple Sciences and B grade in the GCSE Biology.

Form of Assessment and Course Content Description:

Students begin the course in Year 12 and undertake the AS route (listed below). Upon their results students will then select if they are to continue to A level in Year 13. They will then complete the A level route (listed below). A summary of the topics studied can be found below, but the full specification can be downloaded at:

<http://www.ocr.org.uk/qualifications/as-a-level-gce-biology-a-h020-h420-from-2015/>

Year 12 AS Level Biology			
Module	Title	Weighting	Assessment
H020/01	Breadth in Biology Section A – Multiple choice questions (20 marks) Section B – Structured questions covering theory and practical skills (50 marks) Module 1 – Development of practical skills in biology Module 2 – Foundations in biology Module 3 – Exchange and transport Module 4 – Biodiversity, evolution and disease	50%	1 hour 30 minute written exam
H020/02	Depth in Biology Structured questions and extended response questions, covering theory and practical skills (70 marks) Modules 1 to 4 assessed	50%	1 hour 30 minute written exam

Year 13 A Level Biology			
Module	Title	Weighting	Assessment
H420/01	Biological Processes Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 3 and Module 5 – Communication, homeostasis and energy	37%	2 hour 15 minute written exam
H420/02	Biological Diversity Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 3 and Module 6 – Genetics, evolution and ecosystems	37%	2 hour 15 minute written exam
H420/03	Unified Biology Modules 1 to 6	26%	1 hour 30 minute written exam
H420/04	Practical endorsement in biology		Reported by school Not formally assessed

Further information:

If you have queries regarding any aspect of this course please contact Mr Shields, Learning Leader for Science at: a.shields@coxgreen.com

Higher Education Application:

Biology is considered to be a rigorous course which is highly desirable and may give you a considerable advantage over others on Physiology, Medicine, Biochemistry and Homeostatic Mechanisms.

Future Careers Information:

Many of our students go onto study related subjects such as Medicine, Veterinary Science, Genetics, Biomedical Sciences, Biochemistry, Physiotherapy and Nursing.

A Level Business Studies

Exam Board: AQA

Entry Requirements: B grades in GCSE Maths or English

Form of Assessment:

There are **two** exams in Year 12 which make up the AS qualification. These are made up of multiple choice, short answer and data response/case study questions. If the student wishes to progress to the A level in Year 13 there will be **three** examinations in June of Year 13. **These will solely determine their A Level grade.** This is different from the previous system when AS made up half of the A Level grade.

Course Content Details:

- What is a business?
- Managers, leadership and decision making.
- Decision making to improve marketing performance.
- Decision making to improve operational performance.
- Decision making to improve financial performance.
- Decision making to improve human resource performance.



Further information:

If you have any questions regarding any aspect of this course please contact Mr W Burton, Learning Leader for Business Studies at: w.burton@coxgreen.com.

Higher Education Application:

Business Studies can lead to a wide choice of further and higher education courses as a discrete subject or as a combination with other courses. This subject also has a great deal to offer those who wish to go directly from the Sixth Form to employment as much of the course content is directly relevant to your future employment.

Future Careers Information:

University courses that directly link to this course include: Business Studies, Management, Economics, Accounting, Marketing, Tourism, Hospitality courses and Business Law.

Each of us works for an organisation of some description and some time during our lives, whether it be for a private company with shareholders or as part of the public sector working for the government. It is important to know how these different types of 'business' work. Understanding cash flow and marketing is only of use in the real world. It may even be your springboard to running your own business.



A Level Chemistry

Exam Board: OCR 'A'

Entry Requirements: Average B grades in GCSE Double Science (Core and Additional) or Average B grades in GCSE triple Sciences and B grade in the GCSE Chemistry.

Form of Assessment and Course Content Description:

Students begin the course in Year 12 and undertake the AS route (listed below). Upon their results students will then select if they are to continue to A level in Year 13. They will then complete the A level route (listed below). A summary of the topics studied can be found below:

<http://www.ocr.org.uk/qualifications/as-a-level-gce-chemistry-a-h034-h434/>

AS Level Chemistry Year 12			
Module	Title	Weighting	Assessment
H032/01	Breadth in Chemistry Section A – Multiple choice questions (20 marks) Section B – Structured questions covering theory and practical skills (50 marks) Module 1 – Development of practical skills in chemistry Module 2 – Foundations in chemistry Module 3 – Periodic table and energy Module 4 – Core organic chemistry	50%	1 hour 30 minute written exam
H032/02	Depth in Chemistry Structured questions and extended response questions, covering theory and practical skills (70 marks) Module 1 to 4 assessed	50%	1 hour 30 minute written exam

A Level Chemistry Year 13			
Module	Title	Weighting	Assessment
H432/01	Periodic table, elements and physical chemistry Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 3 and Module 5 – Physical chemistry and transition elements	37%	2 hour 15 minute written exam
H432/02	Synthesis and analytical techniques Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 4 and Module 6 – Organic chemistry and analysis	37%	2 hour 15 minute written exam
H432/03	Unified Chemistry Modules 1 to 6	26%	1 hour 30 minute written exam
H434/04	Practical endorsement in chemistry		Reported by school Not formally assessed

Further information:

If you have queries regarding any aspect of this course please contact Mr Shields, Learning Leader for Science at: a.shields@coxgreen.com

Higher Education Application:

There are many courses involving Chemistry including Chemistry, Biochemistry, Physiology, Pharmacy, Medicine, Nursing, Veterinary Science, Chemical Engineering, Environmental Science, Agriculture.

Future Careers Information:

Chemistry is a 'shortage' subject and therefore there are many opportunities for careers in this subject. However, many Chemistry graduates enter the 'services' industry excelling in finance and the insurance industry. There are many opportunities in the health service and at pharmaceutical companies. There are also many research opportunities.

A Level Digital Photography

Exam Board: AQA Photography 7246/C, 7246/X, 7206/C, 7206/X

Entry Requirements: B grade in GCSE Art or Photography

Form of Assessment:

The AS year requires Year 12 students to produce two units of work:

- **Component 1 7246/C** - A personal portfolio which responds to a particular theme. This forms 60% of the final grade for AS.
- **Component 2 externally set Assignment 7246/X** - A portfolio of work produced in response to a theme given by the exam board. Students are given approximately 10 school weeks to complete this and are then required to produce a final outcome during a 10 hour exam. This is worth 40% of the A Level grade.

At A Level the format is very similar.

- Year 13 students again submit **components 1 and 2 (7206/C and 7206/X)** which are given the same weightings as above. The exam time for component 2 at A Level is increased to 15 hours.
- In addition **students are required to produce a 2000 word essay** to accompany their personal portfolio for component 1.

Course Content Description:

This course is for anyone who loves observing and recording the world around them. Students will enjoy creating visual imagery and will want to express their ideas to others. Those studying this course will be imaginative, creative and able to develop ideas for narrative photography, exploring various photographic genres from a given theme and drawing upon contextual references. Students will develop their knowledge and understanding of the formal elements, composition, visual language techniques, the digital SLR camera as well as photo editing software. Emphasis is placed on imagination and creativity as well as technical ability. Students will show evidence of trying to extend their own and others' ways of seeing the world and will be required to develop their own creative outcomes as the course progresses. Students are required to critique their work and the work of others' and to articulate this using technical vocabulary.

In the context of this specification, students will be required to work in one or more areas of photography such as portraiture, landscape photography, still life photography, documentary and photo journalism, fashion, experimental imagery, multimedia, photographic installation and the moving image.

Further information:

If you have queries regarding any aspect of this course please contact Mrs Harris, Learning Leader for Art and Photography at: s.harris@coxgreen.com

Higher Education Application:

Possible courses for further study include: Art and Design Foundation; BTEC National Diploma in Vocational Design or General Art and Design; B.Ed.; BTEC Higher National Diploma; University Degree; Postgraduate Studies, including Postgraduate Certificate in Education.

Future Careers Information:

Computer and holographic art, teaching, community arts, book and magazine design and graphic/product/industrial design, TV graphics, package design, computer and video graphics, theatrical costume design, exhibition design, film and television, exhibition design, web design, fashion photography, journalism, printed media, wildlife photography, wedding photography, portrait photography, event /PR photography and illustration.

A Level English Literature

Exam Board: Edexcel

Entry Requirements: B grades in both GCSE English Language and English Literature

Form of Assessment: Students are assessed via exams at the end of the two year course as well as a piece of coursework which will be approximately 3000 words in length.

Course Content Description:

Component	Content	Examined by:
Component One Drama 30%	Students study: <ul style="list-style-type: none">• One Shakespeare play and one other drama from either tragedy or comedy• Critical essays related to their selected Shakespeare play. Students' preparation is supported by Shakespeare: A Critical Anthology – Tragedy	2 hr 15 min exam
Component Two Prose 20%	Students study: <ul style="list-style-type: none">• Two prose texts from a chosen theme. At least one of the prose texts must be pre-1900	1 hr exam
Component Three Poetry 30%	Students study: <ul style="list-style-type: none">• Poetic form, meaning and language• A selection of post-2000 specified poetry• A named poet from within a literary period	2hr 15 min exam
Component Four Coursework 20%	Students have a free choice of two texts to study. Chosen texts: <ul style="list-style-type: none">• Must be different from those studied in Components 1, 2 and 3• Must be complete texts and may be linked by theme, movement, author or period• May be selected from poetry, drama, prose or literary non-fiction.	One extended comparative essay referring to two texts. Advisory total word count is 2500–3000 words

Further information:

If you have queries regarding any aspect of this course please contact Ms LaRocque, Learning Leader for English at: g.larocque@coxgreen.com

Higher Education Application:

English Literature is a highly regarded A Level by universities and employers alike. Students who work enthusiastically on their studies in this subject will improve not only their personal appreciation of great literary works, but also gain valuable study skills and learn essay writing techniques which will help enormously in other subject areas.

Future Careers Information:

In terms of career progression, English Literature is particularly useful in the fields of Law, Media work, Medicine and Journalism.

Extended Project Qualification (EPQ)

Exam Board: AQA

Entry Requirements: C grades in GCSE Maths and English

Form of Assessment:

The EPQ is a largely independent, research-based qualification, with 1 hour of supervisor contact a week. It is assessed through a written report of 5,000 words on a topic or theme of the student's personal choice. The final report can also take the form of an artefact, accompanied by a shorter written report (1,000 words). Students will also be assessed throughout the progress of the EPQ by keeping a production log – the process of recording and completing a project is as important as the finished product.

Artefacts submitted can include: A short film, a short story, a social event, a realised design, a piece of art-work.

Course Content Description:

The EPQ allows each student to embark on a largely self-directed and self-motivated project. Students must choose a topic, then plan, research and develop their idea and also decide on their finished product. They are encouraged to think creatively and with curiosity. A project topic may be directly related to a student's main study programme, but should look beyond the specification.

What do students need to do?

- They should choose an area of interest and draft their project title and aims.
- They need to plan, research and carry out their project.
- Students should keep a production log of all stages of the project production, reviewing and evaluating their progress.
- They complete the assignment and prepare and deliver a presentation.
- Finally they should review the outcome of their project and presentation.

During the EPQ, they will learn to:

- Manage – identify, design, plan, and complete a project (or task within a group project), applying organisational skills and strategies to meet their stated objectives.
- Use resources/research – obtain and select information from a range of sources, analyse data, apply it relevantly, and demonstrate understanding of any appropriate connections and complexities of their topic .
- Develop and realise – use a range of skills, including using new technologies, to solve problems, to take decisions critically, creatively and flexibly, and to achieve their aims.
- Review – evaluate the outcome, including their learning and performance.

Further information:

If you have queries regarding any aspect of this course please contact Miss Burchmore, EPQ Leader at: k.burchmore@coxgreen.com

Higher Education Application:

The EPQ awards A level grades and carries a half an A Level weighting. Universities are increasingly including an EPQ as part of a standard offer. They also use it often as a 'tiebreaker' to help them decide between similar students post-results. The EPQ could, quite simply, be the difference between a student getting into one of their chosen universities or not.

Future Careers Information:

This qualification is recognised and valued by all employers due to the wide range of skills the students will gain.

A Level French (Studied at Altwood School)

Exam Board: AQA

Entry Requirements: B grade at GCSE level in this subject

Form of Assessment: This is usually a research based 5000 word written report. However it could also be a production* (eg charity event, fashion show or sports event etc.) or an artefact* (e.g. piece of art, a computer game or realised design). *A shorter written report must accompany these options. Students must also record their project process in their Production Log. The process of recording and completing a project is as important as the finished product. Both the Production Log and Product will be assessed.

Course Content Description: Students are assessed through four topic areas.

Social issues and trends Students must study the following themes in relation to at least one French speaking country. Students must study the themes and sub-themes using a range of sources, including material from online media.

- The changing nature of family (La famille en voie de changement)
- The 'cyber-society' (La « cyber-société »)
- The place of voluntary work (Le rôle du bénévole)

Artistic culture Students must study the following themes and sub-themes in relation to at least one French-speaking country.

- A culture proud of its heritage (Une culture fière de son patrimoine)
- Contemporary francophone music (La musique francophone contemporaine)
- Cinema: the 7th art form (Cinéma : le septième art)

Grammar AS students will be expected to have studied the grammatical system and structures of the language during their course. Knowledge of the grammar and structures specified for GCSE is assumed.

In the exam students will be required to use, actively and accurately, grammar and structures appropriate to the tasks set.

Works – study either French text or film

Students must study **either** one text **or** one film from the approved list. Abridged editions should not be used.

Assessment

Students are assessed in June 2017 and have to sit three different assessments:

- Paper 1 – Listening, reading and writing (out of 90 marks)
- Paper 2 – Writing (50 marks)
- Paper 3 – Speaking (60 marks)

Further information

If you have any questions please see or contact Miss Kiely, Achievement Leader KS5, who will forward messages on – l.kiely@coxgreen.com

Higher Education Application:

French is highly regarded by universities and employers alike. Students who work hard on their studies in this subject will improve not only their language skills, but other skills valued by employers. It also opens other opportunities to living and working abroad.

Future Careers Information:

This qualification is recognised and valued by all employers due to the wide range of skills the students will gain.

A Level Geography

Exam Board: Edexcel

Entry Requirements: B grade at GCSE level in this subject.

Form of Assessment:

Paper 1 Written paper 1 hour 45mins:	The examination may include short open, open response and resource-linked questions. The examination includes 10-mark and 15-mark extended writing questions.	Contributes 50% of grade
Paper 2 Written paper 1 hour 45mins:	The examination may include short open, open response and resource-linked questions. The examination includes 10-mark and 15-mark extended writing question	Contributes 50% of grade

Course Content Description:

At Cox Green School we study Edexcel Geography. The course contains two units that carry equal weighting and are each worth 50% of the AS grade. This subject is exam based and requires 2 days of compulsory fieldwork in preparation for the examination. A summary of the topics studied can be found below.

Each exam lasts for 1 hour and 45 minutes and is split into three sections of which students complete two. Section A includes core compulsory topics as outlined below. Sections B and C are optional dependent on what students study in class.

8GEO/01: Paper 1

- Section A: Topic 1 – Tectonic Processes and Hazards.
- Section B: Topic 2A – Glaciated landscapes and change.
- Section C: Topic 2B – Coastal landscapes and change.

8GEO/02: Paper 2 - Dynamic Places

- Section A: Topic 3 – Globalisation.
- Section B: Topic 4A – Regenerating Places.
- Section C: Topic 4B – Diverse Places.

Further information:

If you have queries regarding any aspect of this course please contact Ms Allen, Learning Leader for Geography, at: j.allen@coxgreen.com

Higher Education Application:

Courses including: Geography, Geology, Archaeology, Development Studies, Urban Planning.

Future Careers Information:

Literate and numerate, geographers have versatility which is the envy of other graduates and attractive to employers. The breadth of the subject and its development skills in research and decision making are an excellent basis for administration and business.

A Level Government & Politics (Studied at Desborough School)

Exam Board: AQA

Entry Requirements: 5 A*-C (inc English and at least a B grade in GCSE History or English)

Form of Assessment:

Students at Cox Green School have the opportunity to learn a wider range of subjects through our consortium links and will be travelling to Desborough College for AQA Government and Politics. A course description can be found below, however, further information can be found at the following link:

www.aqa.org.uk/subjects/government-and-politics

Course Content Description

AS: The Government and Politics of the United Kingdom: The system of ruling the United Kingdom, the role of politicians, pressure groups and the party system and how these groups affect the outcome of elections.

AS: Unit 1 GOVP1

- Participation and voting behaviour
- Political parties
- Electoral Systems
- Pressure Groups and Pressure Movements

AS: Unit 2 GOVP2

- The British Constitution
- Multi-Level Governance
- The Core Executive
- Parliament

Students are assessed through two 1 hour and 30 minute exams, max 80 marks per paper. This is completed for each unit studied.

Further information

If you have any questions please see or contact Miss Kiely, Achievement Leader KS5, who will forward messages on, at: l.kiely@coxgreen.com

Higher Education Application:

There are many opportunities to study Government and Politics at degree level. Many universities offer degrees based on Government and Politics.

Future Careers Information:

Students leave equipped with confidence and advanced communication skills which transfer well to the job market. Many students have developed as freelance performance and/or workshop practitioners. Careers in the expanding creative industries and in teaching are also applicable.

A Level History

Exam Board: Edexcel, Route F

Entry Requirements: B grade at GCSE level in this subject.

Form of Assessment: Candidates studying AS must take 2 exams. (Year 12)
Candidates studying A Level must sit three exams and complete a piece of coursework. (Year 13)

Course Content Description:

At Cox Green School we study Edexcel History. The units we have selected are:

- Year 12: In Search for the American Dream and South Africa and Apartheid.
- Year 13: Experience of Warfare and Course Work

A summary of the topics studied can be found below, but the full syllabus and can be downloaded at:

<http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/history-2015.html>

Year 12	AS Level	Taught in and examined in
Paper 1 2hr 15m 60%	<i>In search of the American Dream, the USA: 1917-96</i> (Breadth study with interpretations)	Taught: Year 12 Examined: Year 12 Summer Can be re-examined Summer Year 13
Paper 2 1hr 30 min 40%	<i>South Africa, 1948-94; from apartheid state to 'rainbow state'</i> (Depth study with interpretations)	Taught: Year 12 Examined: Year 12 Summer Can be re-examined Summer Year 13
Year 13	A Level	Taught in and examined in
Paper 1 2hr 15m 30%	<i>In search of the American Dream, the USA: 1917-96</i> (Breadth study with interpretations)	Taught: Year 12 Re-examined: Year 13 Summer
Paper 2 1hr 30m 20%	<i>South Africa, 1948-94; from apartheid state to 'rainbow state'</i> (Depth study with interpretations)	Taught: Year 12 Re-examined: Year 13 Summer
Paper 3 2hr 15m 30%	<i>The British Experience of warfare: c1790-1918</i> (Themes in breadth with aspects in depth)	Taught: Year 13 Examined: Year 13 Summer
Coursework 20%	Student to complete an independently researched enquiry on historical interpretations.	Taught: Year 13 Examined: Year 13 Autumn

Further information:

If you have queries regarding any aspect of this course please contact Miss Ayre, Learning Leader for History, at: d.ayre@coxgreen.com

Higher Education Application:

The skills developed in History are highly regarded by universities. Courses include Humanities or Social Science degrees, History, Law, Journalism, Anthropology, Education. Courses requiring students to express a view, research independently, support an argument and analyse critically are all supported by A Level History.

Future Careers Information:

By the end of the course students will have learned how to argue effectively, backing their points with evidence; how to evaluate and analyse information and how to weigh up evidence and communicate complex ideas. These skills are recognised and valued by employers, universities and colleges. History remains one of the most respected and valued A Levels. History combines well with arts subjects and the sciences, providing a broad base of qualifications. It also provides an excellent foundation for many popular careers, e.g. Law, Business, Sales, Marketing, Journalism, Media and Film.

BTEC Information Technology: Single or Double Award

Exam Board: Edexcel

Entry Requirements: 5 GCSE grades A*-D

Form of Assessment:

This course is assessed by BTEC modular approach. The qualification is equivalent to one A Level or two A Levels will complete either **six** or **twelve** internally assessed units over the two years.

Course Content Description:

Modules covered for single (Sub Diploma) include:

Communication and Employability Skills for ICT
Computer Systems
Website Production and Management
Digital Graphics
Computer Animation
Database creation

Modules for Double (Diploma) include:

Information Systems
Managing Networks
Computer Networks
Maintaining Computer Systems
Database Design
Spreadsheet Modelling

Communication and Employability Skills for ICT

Employers identify a variety of non-technical skills and attitudes as being key to employability as well as the technical skills and knowledge required for specific jobs in IT.

This unit provides an opportunity for learners to understand the range of such non technical soft skills and to appreciate what other skills and knowledge they will need to develop in order to be an effective employee. By the end of the unit, learners will have had the opportunity to identify and consider their own set of skills and, where necessary, improve them.

Computer Systems

Most IT practitioners will at some stage have to set up, use, customise and maintain a computer system or systems. In order to do so effectively they will need to understand the components that make up a computer system. The operating system interacts with the hardware components in order to make a functioning machine. As this relationship is so close, this unit develops skills in hardware components and the operating systems. Although the Microsoft operating system currently dominates the market, it is not the only operating system and learners should explore at least one other.

The four additional units will include investigating the use of the software for the unit. Students will plan and create a product or services using the software.

Further information:

If you have queries regarding any aspect of this course please contact Mr Burton, Learning Leader for Information Technology, at: w.burton@coxgreen.com

Higher Education Application:

This course counts towards UCAS points, so it can be used in a variety of IT related courses. It can also be combined and used alongside another subject at University. Skills are transferable so students can choose to study apprenticeships in IT.

Future Careers Information:

IT Programming, Software Design, Systems Analysis and Design, Multimedia Production.

A Level Mathematics and Further Maths

Exam Board: EDEXCEL – 8371 – 8374 and 9371 - 9374

Entry Requirements: A grade in GCSE Mathematics. A* grade in GCSE Maths is required to study Further Mathematics

Form of Assessment:

1.5 hr exam for each module, equally weighted.

Core module 1 —calculator not allowed.

AS Level results are carried through to A Level.

Course Content:

A Level Mathematics comprises a mixture of **4 different areas**, one of which must be Pure Mathematics.

Pure Mathematics - This is fundamental to all further study in Mathematics; it is the 'building kit' which allows students to investigate mathematical situations. Topics studied include: functions, equations, trigonometric ratios, differentiation and integration.

Mechanics - In Mechanics, students analyse real life problems and work out what happens in physical situations. Students use Pure Maths to analyse movement of objects. Newton's "Laws of Motion" forms the basis of the majority of the course.

Statistics - At A Level the theory of probability allows a more careful analysis of data. Choosing the size of the sample/deciding on the significance of the results becomes more important.

Decision Mathematics - Decision Maths looks at how to solve problems involving networks (e.g. computer, road, rail, and telephone).

Further Mathematics Modules-The curriculum builds on the topics from the core modules as well introducing new topics. It gives students the opportunity to explore more sophisticated mathematical concepts. Topics include complex numbers, matrices, and differential equations.

A Level and AS Level courses are made from a combination of the following modules:

Pure Mathematics	C1, C2, C3, C4
Further Pure Mathematics	FP1, FP2, FP3
Mechanics	M1, M2, M3, M4, M5
Statistics	S1, S2, S3, S4
Decision Mathematics	D1, D2

Combinations offered:

A Level Mathematics C1, C2, C3, C4 + 2 from the ab

A Level Further Mathematics FP1, FP2 or FP3 + 3 modules

AS Level Mathematics (one year course taken in Year 12) C1, C2 + 1 other module.

AS Level Further Mathematics (taken in year 13) FP1 + any 2 (other than C1 – C4)

(AS Further Mathematics is offered to the most able mathematicians and is suitable for those students planning to study STEM subjects at university, e.g Mathematics, Engineering, and some of the Science based subjects)

Further information:

If you have queries regarding any aspect of this course please contact Mr Haghazali, Learning Leader for Maths, at: a.haghazali@coxgreen.com

Higher Education Application:

A level Mathematics is useful if you are interested in studying such fields as Mathematics, Science, Technology, Economics, Engineering, Finance, Computing, and Geography at University.

Future Careers Information:

There are many careers in which A Level Mathematics, while not essential, may be of advantage, for example, Accountancy, Architecture, Retail Management.

A Level Media

Exam Board: OCR – H140 QAN 500/2599/5
H540 QAN 500/2589/2

Entry Requirements: B grade at GCSE level in this subject. C grade in GCSE English.

Form of Assessment:

Year 12—AS Level assessment takes the form of **coursework** detailed below and one 2 hour exam.

Year 13—A Level assessment takes the form of **coursework** detailed below and one 2 hour exam.

Course Content Description:

The OCR Media Studies A-Level consists of **four** units. The Year 12 (AS) course consists of two units which are each worth 50% of the AS grade and 25% of the full A-Level.

Year 12— AS Level

Foundation Portfolio

100 marks—50% of AS and 25% at A Level Grade

- Assess ability to plan and construct media products with appropriate technical and creative skills.
- Assess knowledge and understanding in own work.

Students are required to produce two paired pieces of coursework in response to a given brief.

- Preliminary exercise – filming and editing a short scene, focussing on continuity.
- Main task – planning, filming and editing of a two minute film sequence of a new fictional film including titles.

Key Media Concepts

100 marks (Each question worth 50 marks) - 50% AS grade and 25% of A Level Grade

- Textual Analysis and representation. This is an examination unit. There will be a 2 hour exam, in which students must answer two questions:
 - Section A: Textual Analysis and Representation.
 - Section B: Institutions and Audiences.

Year 13—A Level

Advanced Portfolio - 25% of A Level grade

Students are required to produce: .

- A media portfolio comprising of a music video, Digipak, and magazine advert for the Digipak.
- A presentation of their research, planning and evaluation in electronic format.

Critical Perspective in Media - 25% of A Level grade

This is an examination unit. There will be a 2 hour exam, in which students must answer three questions:

- Section A: Theoretical Evaluation of Production .
- Section B: Contemporary Media Issues with a focus on Youth Culture and Collective Identity.

Further information:

If you have queries regarding any aspect of this course please contact Miss Stockwell, Deputy Learning Leader for English (Media), at k.stockwell@coxgreen.com

Higher Education Application:

Many universities and higher education institutions offer degrees and BTEC high level diplomas based on Media Studies.

Future Careers Information:

Careers in journalism and Media, Advertising, Media Production, Museum and Exhibition, Performance, Performance Technicians, Teaching.

A Level Music

Exam Board: AQA7271, 7272

Entry Requirements: B grade in Music or associated board grade 5 on specialist instrument / tone

Form of Assessment:

Written exam, composition exam, solo and ensemble performance.

Course Content Description:

Component 1: Appraising Music (40%):

Assessed via an externally marked exam sat in June 2017.

– **Section A: Listening (51% of unit, 20.5% of AS)**

Students answer 2 sets of listening questions:

- 1 set from **Area of study 1 – Western Classical Music** (compulsory).
- 1 set of questions from a choice of 5 optional Areas of study.

– **Section B: Analysis (18% of unit, 7% of AS)**

- Students answer 1 set of linked questions on one of the set works from **Area of Study 1 – Western Classical Music** (compulsory).

– **Section C: Contextual Understanding (31% of unit, 12.5% of AS)**

- Students answer one **essay** question from a choice of two based on their chosen Areas of study.

Component 2: Performing (30%):

Assessed via an externally assessed performance recorded at school.

- The performance must be a minimum of **6 minutes long**.
- Students must demonstrate both technical and expressive control throughout the performance.
- This could include, but is not limited to:
Accuracy of pitch and rhythm, tone quality, phrasing and articulation, choice of tempo and dynamics.

Unit 3: Composing (30%):

Assessed via **two** externally marked compositions with a combined duration of **four and a half minutes** completed under controlled conditions at school.

- Students must demonstrate their ability to develop, extend and manipulate musical ideas using the musical elements as appropriate to their chosen style or genre.

Further information:

If you have queries regarding any aspect of this course please contact Mr McDonough, Learning Leader for Music, at: t.mcdonough@coxgreen.com

Higher Education Application:

There are many courses at university level which combine Music with other subjects, for example, Mathematics, Management, Business Studies, English Language or the Arts. There are also specialised courses which lead to Music Teaching, Performing, Music Therapy, Publishing, Work in the BBC, Acoustics and Sound Recording.

Future Careers Information:

Studying music can lead to a career in Media, Teaching, Performing, Music Therapy, Publishing, BBC, Acoustics and Sound Recording.

A Level Physical Education

Exam Board: AQA 1580, 2580

Entry Requirements: B grade at GCSE level in this subject and a proven commitment to extra curricular sport / coaching.

Form of Assessment:

Paper 1	2 hour examination	35% of A Level
Paper 2	2 hour examination	35% of A Level
Practical	1 sport as a player or a coach	15% of A Level
Coursework	1 sport as a player or a coach	15% of A Level

Course Content Description:

Paper 1

This is divided up into three different sections which will be taught each week in different exercise books throughout the first year of the A-level course:

- **Applied Exercise Physiology**

This section focuses on understanding the body. You will develop secure knowledge on the bones, muscles and fibres that allow our body's to move. Additionally you will understand the way in which it works and the energy, respiratory and cardiovascular systems.

- **Skill Acquisition**

This section focuses on how skill is acquired and developed in a variety of sports and practical situations. The impact of psychological factors on their physical performance is also explored.

- **Sport in Society**

This section focuses on clearly defined historical eras with a specific focus on Football, Lawn Tennis and Athletics. There is a specific focus on the development of female athletes in these sports as well as the contemporary issues which surround sport in its present day form – such as the media and technology.

Paper 2

This is divided up into three sections which will be taught each week during the second year of the course:

- **Anatomy and Physiology**

This section looks at the bio-mechanical movements of sport. You will look in depth at the role and recovery of injuries in elite sport including the recovery process for athletes during and after sport has taken place.

- **Sport Psychology**

This section looks at the psychological aspects of sporting performance. You will learn about areas such as leadership, motivation and personality's role in sporting development of both elite and grass roots athletes.

- **Sport and Technology**

In this section you will learn about the role of sport technology for and the functions of sport analytics. You will delve deeper into the role of the media and its influence on present day sport as well as exploring National Governing Bodies, participation and development of sport at different levels on the participation pyramid.

Further information:

If you have queries regarding any aspect of this course please contact Mr Gullick, Learning Leader for Physical Education, at: m.gullick@coxgreen.com

Higher Education Application:

You could take a degree in Sports Studies, Sports Science, Sport Psychology, Sport Therapy, Physiotherapy, Leisure Management, Recreational Management or Teacher Training.

Future Careers Information:

After higher education there are many fulfilling career opportunities such as Development, Coaching and Teaching, Physiotherapy and working in Sports or Leisure Centres.

A Level Physics

Exam Board: OCR 'A'

Entry Requirements: Average B grades in GCSE Double Science (Core and Additional) or Average B grades in GCSE triple Sciences. B grade in the GCSE Physics.

Form of Assessment and Course Content Description:

Students begin the course in Year 12 and undertake the AS route (listed below). Upon their results students will then select if they are to continue to A level in Year 13. They will then complete the A level route (listed below). A summary of the topics studied can be found below, but the full specification and can be downloaded at:

<http://www.ocr.org.uk/qualifications/as-a-level-gce-physics-a-h156-h556-from-2015/>

AS Level Physics Year 12			
Module	Title	Weighting	Assessment
H156/01	Breadth in Physics Section A – Multiple choice questions (20 marks) Section B – Structured questions covering theory and practical skills (70 marks) Module 1 – Development of practical skills in Physics Module 2 – Foundations in Physics Module 3 – Forces and Motion Module 4 – Electrons, Waves and Photons	50%	1hr 30m written exam
H156/02	Depth in Chemistry Structured questions and extended response questions, covering theory and practical skills (70 marks) Module 1 to 4 assessed	50%	1hr 30m written exam

A Level Physics Year 13			
Module	Title	Weighting	Assessment
H556/01	Modelling Physics Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 3 and Module 5 – Newtonian World and Astrophysics	37%	2 hr 15m written exam
H556/02	Exploring Physics Section A – Multiple choice questions (15 marks) Section B – Structured questions covering theory and practical skills (85 marks) Module 1, 2, 4 and Module 6 – Particles and Medical Physics	37%	2 hr 15m written exam
H556/03	Unified Physics Modules 1 to 6 (70 marks)	26%	1hr 30m written exam
H556/04	Practical Endorsement in Physics	Reported by school Not formally assessed	

Further information:

If you have queries regarding any aspect of this course please contact Mr Allen, Learning Leader for Physics, at: r.allen@coxgreen.com

Higher Education Application:

Physics is essential for Engineering and good for other scientific degrees too. You can of course study Physics itself in many different ways at university, including but not limited to Physics, Mathematics, Geophysics, Astrophysics, Meteorology, Sound Engineering, Astronomy.

Future Careers Information:

Physics is used in engineering of all types; in Medicine, Archaeology, Police Work, Environmental Science, Aerospace etc. Many Physics graduates are employed in industry, business, management and finance.

A Level Product Design

Exam Board: AQA Design and Technology: Product Design (3-D Design)

Entry Requirements: B grade at GCSE level in this subject.

Form of Assessment:

LEVEL	COMPONENT	MARKS
Unit 1 AS	Examination – Materials, components and application	80
Unit 2 AS	Coursework – Learning through Designing and Making	80
Unit 3 A2	Examination – Design and Manufacture	84
Unit 4 A2	Coursework – Design and making practice	85

Course Content Description:

Unit 1 will be assessed through an examination set and marked by AQA. This will be a two hour examination paper. The paper will be a question and answer booklet based around materials components and the application of both.

Unit 2 can be approached in a number of ways. Students can produce a portfolio on a singular product, two products or a number of small creative tasks. No matter which option they chose they will need to include all elements of the design process including product evaluation, manufacturing, planning and a design. The portfolio should include ICT generated images where appropriate. This unit is internally marked using the generic coursework assessment criteria and externally moderated.

Unit 3 will be assessed through an examination set and marked by AQA. This will be a two hour examination paper. The paper will be a question and answer booklet based around Design and Manufacture.

Unit 4 is the 'design and make' activity. Students identify a client/user group from which they must design and make a product that meets the original need. They should liaise with their client/user group in order to develop a commercial product. Students should be familiar with a range of industrial applications and commercial working practices in order to fulfil the requirements of this unit. This unit results in the development of an appropriate product supported by a design folder. The folder should include ICT generated images where appropriate. This unit is internally marked using the generic coursework assessment criteria and externally moderated by AQA.

Further information:

If you have queries regarding any aspect of this course please contact Mr Hamilton, Learning Leader for Product Design, at: n.hamilton@coxgreen.com.

Higher Education Application:

There are many universities offering exciting courses that link with product design: Graphic Design, Furniture and Product Design, 3D Contemporary Crafts and Products, Furniture design and construction, Architecture, Interior Architecture and Design, 3D computer Generated Imagery.

Future Careers Information:

After higher education there are many fulfilling career opportunities such as: Architecture, Product Design & Innovation, Building & Construction, Interior Design, Materials Scientist, Mechanical Engineer, Industrial Design, Graphic Design, Manufacturing.

A Level Psychology

Exam Board: Edexcel Specification

Entry Requirements: B grades in Maths, Science and English

Form of Assessment:

Year 12

AS Paper 1 Written paper. 1hr 30mins. 70 marks. 50% of total AS - examined in May 2017

AS Paper 2 Written paper. 1hr 30mins. 70 marks. 50% of total AS - examined in May 2017

Year 13

A2 Paper 1 Foundations in Psychology

Written paper. 2 Hours. 90 marks. 35% of total A Level - examined in May/June 2018

A2 Paper 2 Applications in Psychology

Written paper. 2 Hours. 90 marks. 35% of total A Level - examined in May/June 2018

A2 Paper 3 Psychological Skills

Written paper. 2 Hours. 80 marks. 30% of total A Level - examined in May/June 2018.

Course Content Description:

Year 12

AS Paper 1

- Social Psychology and the social influence surrounding such topics as obedience and prejudice.
- Cognitive Psychology focuses on memory, forgetting and the key issue of reliability of eyewitness testimony.

AS Paper 2

- Biological Psychology consists of topics such as autism and the influence of genes and the nervous system on human behaviour.
- Learning Theories cover the classical conditioning, operant conditioning and social learning theory and also the key issue of media violence.

Year 13

A2 Paper 1

- Foundations in Psychology consists of social, cognitive, biological, learning theories and issues and debates.

A2 Paper 2

- Applications of Psychology consist of Clinical Psychology and a choice of one topic from Criminal, Child or Health Psychology.

A2 Paper 3

- Psychological Skills include research methods, synoptic review of studies and issues and debates.

Further information:

If you have queries regarding any aspect of this course please contact Ms Olmos, Learning Leader for Psychology, at: m.olmos@coxgreen.com

Higher Education Application:

Many students go on to study Psychology at university and take up careers linked to the subject such as Child/Educational or Clinical Psychology, Psychiatry, Social Work etc.

Future Careers Information:

Other related careers are: Human Resources, Probationary Work, Social Work, Teaching, Marketing, Advertising and the legal professions. The course teaches many of the skills required for further study.

A Level Religious Studies, Philosophy & Applied Ethics

Exam Board:

OCR which contains 3 units.

- Philosophy of Religion
- Religion and Ethics
- Development in Religious Thoughts

Entry Requirements:

B grade in Religious Studies, History or English Language/Literature

Form of Assessment:

Candidates will take three exams at the end of AS Level/Year 1. If they continue to Year 2 they will take three longer exams that cover the course content from both years.

Course Content Description:

"Philosophy is to be studied, not for the sake of any definite answers, since no definite answers can, as a rule be known to be true, but rather for the sake of the questions themselves." Bertrand Russell.

Religious Studies is one of the fastest growing options at A Level countrywide. This fascinating course is an opportunity to look critically at the history of ideas and their impact on Western thinking, with a focus on Judeo-Christian traditions. A critical, enquiring, unbiased mind and a willingness to consider all perspectives on issues are essential.

Religious Studies at A Level teaches students to think critically and develop analytical and logical arguments on competing world views. As a result it is highly regarded at university. The course is academic and content based, but has the added bonus of engaging pupils throughout as it impacts on their own ideas and life decisions.

This course does not require a religious mind-set as such, but the impact, legacy, and a willingness to learn religious ideas are assessed and pupils need to have an interest in the subject matter.

Topics explored in the first year include:

Ancient Greek influences on philosophy, the nature of the soul, mind and body, arguments about the existence or non-existence of God, the nature and impact of religious experience, the challenge for religious belief of the problem of evil.

Normative ethical theories, the application of ethical theories to contemporary issues and the study of Christian thought on all topics.

Further information:

If you have queries regarding any aspect of this course please contact Miss Kiely, Learning Leader for RS and Philosophy, at: l.kiely@coxgreen.com

Higher Education Application:

Any degree including Philosophy, Politics, Economics, Law, Philosophy, Anthropology, History, Education, Medicine.

Future Careers Information:

The skills you develop in Religious Studies are useful in a wide variety of situations. Many people who study the subject go on to apply their philosophical skills in jobs as diverse as the law, computer programming, management consultancy, film making, journalism, medicine, and all areas in which clarity of thought and expression are essential. Current students are finding that when they go for university interviews, their Philosophical and Ethical study has been a major talking point. It is certainly highly regarded as a valid entrance qualification by universities.

A Level Spanish (Studied at Altwood School)

Exam Board: AQA

Entry Requirements: B grade at GCSE level in this subject

Form of Assessment: This is usually a research based 5000 word written report. However it could also be a production* (eg charity event, fashion show or sports event etc.) or an artefact* (e.g. piece of art, a computer game or realised design). *A shorter written report must accompany these options. Students must also record their project process in their Production Log. The process of recording and completing a project is as important as the finished product. Both the Production Log and Product will be assessed.

Course Content Description: Students are assessed through four topic areas.

Social issues and trends Students must study the following themes in relation to at least one Spanish-speaking country. Students must study the themes and sub-themes using a range of sources, including material from online media.

- Modern and traditional values (Los valores tradicionales y modernos)
- Cyberspace (El ciberespacio)
- Equal rights (La igualdad de los sexos)

Artistic culture Students must study the following themes and sub-themes in relation to at least one Spanish-speaking country.

- Modern day idols (La influencia de los ídolos)
- Spanish regional identity (La identidad regional en España)
- Cultural heritage (El patrimonio cultural)

Grammar AS students will be expected to have studied the grammatical system and structures of the language during their course. Knowledge of the grammar and structures specified for GCSE is assumed. In the exam students will be required to use, actively and accurately, grammar and structures appropriate to the tasks set.

Works – study either a Spanish text or film

Students must study **either** one text **or** one film from the approved list. Abridged editions should not be used.

Assessment

Students are assessed in June 2017 and have to sit three different assessments:

- Paper 1 – Listening, reading and writing (out of 90 marks)
- Paper 2 – Writing (50 marks)
- Paper 3 – Speaking (60 marks)

Further information

If you have any questions please see or contact Miss Kiely, Achievement Leader KS5, who will forward messages on, at: l.kiely@coxgreen.com

Higher Education Application:

Spanish is highly regarded by universities and employers alike. Students who work hard on their studies in this subject will improve not only their language skills, but other skills valued by employers. It also opens other opportunities to living and working abroad.

Future Careers Information:

This qualification is recognised and valued by all employers due to the wide range of skills the students will gain.

A Level Theatre Studies

Exam Board: AQA

Entry Requirements: B grade at GCSE level in this subject area is desirable.

Form of Assessment and Course Content Description:

The course emphasises practical creativity alongside research and theoretical understanding. Students learn through experience, seeing theatre and making theatre for themselves. Students are introduced to a wide range of theatrical styles and contexts as they explore plays practically and work on performances.

- **Component 1: Drama and Theatre**

This component is a three hour written exam in which students are assessed on their knowledge and understanding of how drama and theatre is developed and performed and their ability to analyse and evaluate the live theatre work of others.

40% final A Level grade

3 sections

- Section A: set text
- Section B: set text
- Section C: live production

- **Component 2: Creating original drama (practical)**

This is a practical component in which students are assessed on their ability to create and develop ideas to communicate meaning as part of the theatre making process making connections between dramatic theory and practice. They must apply theatrical skills to realise artistic intentions in live performance and analyse and evaluate their own work.

Teacher marked/AQA moderated

30% final A Level grade

- **Component 3: Making Theatre (practical)**

This is a practical component in which students explore interpret three extracts each taken from a different play. Methodology of a prescribed practitioner must be applied to one of the extracts. Students must complete a reflective report analysing and evaluating theatrical interpretation of all three extracts.

Marked by AQA

30% final A Level grade

Further information:

If you have queries regarding any aspect of this course please contact Miss Abbott, Learning Leader for Drama, at: l.abbott@coxgreen.com

Higher Education Application:

There are many opportunities to study Performing Arts at degree or HND level. Many universities offer degrees based on Performing Arts.

Future Careers Information:

Students leave equipped with confidence and advanced communication skills which transfer well to the job market. Many students have developed as freelance performance and/or workshop practitioners.

Careers in the expanding creative industries and in teaching are also applicable.