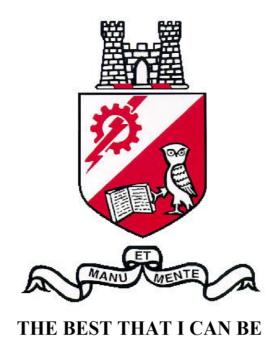
WEST HATCH HIGH SCHOOL



Key Stage 5
Course Outlines

Year 13

2017/18

Year Group: 13

Key stage 5

Subject: ART AND DESIGN

Exam Board: Edexcel

Syllabus No: Edexcel 9ADO Web link: www.edexel.com

Aims of the course

Component 1: GCE coursework. Component 2: Externally Set Assignment. Each of the following assessment objectives is of equal importance. AO1 – **Develop** ideas through sustained and focused investigations informed by contextual and other sources, demonstrating analytical and critical understanding.AO2 - **Explore** and select appropriate resources, media, materials, techniques and processes, reviewing and refining their ideas as intentions, reflecting critically on their work and progress. AO4 their work develops.AO3 – **Record** ideas, observations and insights relevant to their – **Present** a personal, and meaningful response that realising intentions and, where appropriate, making connections between visual, and other elements.

Programme of study by half term for 2017/18

Autumn Term: 1a	Autumn Term 1b
Component 1: Personal investigation continued. This A level course incorporates three major elements: supporting studies, practical work and a personal study.	Drawing pencil, colour pencil, oil crayon, painting and written work. Submitted in December.
Assessment	Assessment
By outcome: This is ongoing with a final grade given at the end of the project.	By outcome: This is ongoing with a final grade given at the end of the project.
Spring term 2a	Spring term 2b
Component 2: GCE Externally Set Assignment Preparatory work for the exam. The final exam is in May.	Preparatory work for the exam. The final exam is in May.
Assessment	Assessment
By outcome. Coursework 60%, Terminal Examination 40%.	By outcome. Coursework 60%, Terminal Examination 40%.
Summer term 3a	Summer term 3b
Component 2: A2 Exam Project. Preparatory work for the exam. The final exam is in May.	End of course.
Assessment By outcome. Coursework 60%, Terminal Examination 40%.	Assessment A Level grade in August.

A list of homework and coursework tasks for the year is printed in student's course outlines. Homework and independent study is a continuous part of the course and should be done weekly to the best of their ability. Homework is also put on show my homework.

Extra-Curricular activities available

Students are encouraged to use primary sources for their artwork such as Art Gallery and Museum visits. They need to look at the work of other artists to enrich their own.

Support available

The projects are made accessible to all students and differentiation is mainly by outcome, some pupils may need more help or extension activities. Students are welcome to attend the art club on Monday Tuesday and Wednesday after school to keep up to date with work and develop their skills.

Groupings or setting

All groups are mixed ability.

What parents can do to help

Parents can check that homework and coursework has been completed to the best of the student's ability and deadlines are met. Every piece of work and each project contributes towards the final grade at A Level. The written observations and analysis are as important as the practical work. If parents wish to they can check spelling and the work in students work journal.

Member of staff to contact if you have any queries: Mr G Hanley Head of Art and Design

Year Group: 13 Key stage 5

Subject: BIOLOGY Exam Board: OCR Biology A Syllabus

No: H420 Web link:

http://www.ocr.org.uk/qualifications/as-a-levelgce-biology-a-h020-h420-from-

2015/

Aims of the course

- Develop essential knowledge and understanding of biological facts, concepts and principles' together with an appreciation of their significance, and the skills needed for their use in new and changing situations.
- Promote an appreciation of the importance of experimental and investigatory work in the study of biology and develop an understanding of the link between theory and experiment and of scientific methods.
- Develop an understanding of the connections between facts, principles and concepts from different areas of biology.
- ☐ Sustain and develop an enjoyment of, and interest in, the study of living organisms
- ☐ Recognise the value and responsible use of biology in society.
- Be a suitable preparation for biological studies in higher and other educational establishments and for professional courses which require candidates to have a knowledge of biology when admitted.

Programme of study for 2017/18

Assessment overview	Modules assessed
Biological processes (01) 100 marks 2 hour 15 minutes written	Modules 1, 2, 3 and 5.
paper 37% of total A level	
Biological diversity (02) 100 marks 2 hour 15 minutes written paper	Modules 1, 2, 4 and 6.
37% of total A level	
Unified biology (03) 70 marks 1 hour 30 minutes written paper	All modules (1 to 6).
26% of total A level	
	Biological processes (01) 100 marks 2 hour 15 minutes written paper 37% of total A level Biological diversity (02) 100 marks 2 hour 15 minutes written paper 37% of total A level Unified biology (03) 70 marks 1 hour 30 minutes written paper

Module 4 – Biodiversity,	Practical Endorsement	
evolution and disease	in biology (04)	
Module 5 –	(non exam assessment)	
Communication,		
homeostasis and energy		
Module 6 – Genetics,		
evolution and ecosystems		

Modular content for 2017/18

Module 5 – Communication, Homeostasis, and energy	Neuronal communication, Hormonal communication, Homeostasis, Plant responses, Energy for biological processes and Respiration
Module 6 – Genetics, evolution, and ecosystems	Genetics of living systems, Patterns of inheritance and variation, Manipulating genomes, Cloning and biotechnology, Ecosystems, Populations and sustainability

Work that will be set (general)

Essays or pieces of extended writing
Supplementation of notes
Independent learning
Past papers
The study of mark schemes and examiners reports
Intervention sessions for under achieving pupils
PAG preparation and catch up sessions
Green and yellow booklets to be used as wider reading stimulus

Mathematic skills required

Arithmetic and numerical computation
Handling data
Algebra
Graphs
Geometry and trigonometry

Support available

An OCR textbook
Factsheets
Biology websites
Shared area with all resources.
Green and yellow booklets
Past papers
Course objectives Intervention sessions for under achieving pupils

Assessment

Regular assessment
Examinations every 6 weeks in line with the schools assessment plan
PPE in December 2017 and April 2018
June examinations covering Biological processes, Biological diversity and Unified biology

What parents can do to help

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Ensure folders are up to date
Encourage reading of biological sciences and other relevant literature
Ensure good attendance in lessons
Ensure all homework is completed by checking show my homework
Ensure pupils attend intervention sessions
Ensure pupils compete revision every week
Ensure pupils complete one past paper every week.

Members of staff to contact if you have any queries:

Mrs S Tester (Head of Biology)

Year Group 12/13 Key stage 5 Subject:

BTEC Level 3 Extended Diploma in Business

Exam Board: Edexcel Syllabus No: NQF Web

link:

http://qualifications.pearson.com/en/qualificat

ions/btecnationals/business-2016.html

The BTEC Level 3 Diplomas is broadly equivalent to three GCE A Levels. The programme aims to provide students with an in depth understanding of **the** operations and structures of businesses. To equip students with the skills required to succeed in employment or at university. The course will involve students familiarizing themselves with businesses in the public, private and voluntary sectors. Students will cover a range of topics that include:

- Business Resources
- Business Environment
- Marketing
- Business Communication
- Business Accounting
- Human Resources
- International Business
- Business Retail
- Internet marketing
- Starting a Small Business
- Business Economics
- Market Research

Aims of the course

Programme of study by half term for 2017/18

Autumn Term:	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term 1
Year 12- Units 1,2, 3 Year 13- Unit 6, 7	Year 12:Units 1,2,3 Year 13: Unit – 6, 7	Year 13:	Year 12: Units 4, 14, 22 Year 13: Units 5, 15	Year 12: Units 27 Year 13: Units
Assessments: External: Units 3,6,7 Jan and May 2018	Assessment External: Units 3,6,7 Jan and May 2018	Assessment Portfolio assessment	Assessment Portfolio assessment	Assessment Portfolio assessment

Coursework will be divided into sub tasks and internal deadlines set by staff which must be met. Students organise their time to complete all the work to the best of their ability. Students will have a deadline to complete a draft version of their work. Their teacher will mark this and give them feedback on areas to improve to enable them to achieve a better grade. Students will then be given an appropriate time to make these changes. Each lesson will require further study outside of the lessons.

Extra-Curricular activities available

Students will take part in a variety of business and enterprise activities which will **enhance** their learning. A business trip will be arrange for the students to attend **which** will have a focus on an area of their studies.

Support available

Students will have one day per week for private study. On that day they are **expected** to work at home with time set aside for each unit. Staff will set regular **tasks** for this purpose.

Groupings or setting

There will be one group that students will be allocated to.

What parents can do to help

Students are required to use and keep free a single day each week for their **studies**. This independent study is vital to complete the course to a high standard. Assisting them in using this time effectively is important to their success. Parents **will** be able to keep up to date with what is happening in the business department **by** logging onto the Learning Gateway.

Member of staff to contact if you have any queries:

Mr E Korboe or Mr Cunningham

Year Group: 13 Key stage 5

Subject: CHEMISTRY

Exam Board: OCR Chemistry B (Salters)

Syllabus No: H433 Web link:

http://www.ocr.org.uk/qualifications/as-a-levelgce-chemistry-b-salters-h033-h433-

from-2015/

Aims of the course

- Develop essential knowledge and understanding of different areas of the subject and how they relate to each other.
- Develop and demonstrate a deep appreciation of the skills, knowledge and understanding of scientific methods.
- Develop competence and confidence in a variety of practical, mathematical and problem solving skills.
- Develop their interest in and enthusiasm for the subject, including developing an interest in further study and careers associated with the subject.
- Understand how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

Programme of study for 2017/18

Content overview	Assessment overview		
Module 1: Development of practical skills in Chemistry	Fundamentals in chemistry (01)	Scientific literacy in chemistry (02)	
Module 2: Elements of life	110 marks 2 hours and 15 minutes	100 marks 2 hours and 15 minutes	
Module 3: Developing fuels	written paper	written paper	
Module 4: Elements from the sea	41% of A level	37% of A level	
Module 5: The ozone story			
Module 6: What's in a medicine?			
Module 7: The chemical industry	Practical skills in chemistry (03)	Practical endorsement in chemistry (04)	
Module: Polymers and life	60 marks	Non-exam assessment	
Module: Oceans	1 hours and 30 minutes	Reported separately	
Module: Developing metals	written paper		
Module: Colour by design	22% of A level		

All components include synoptic assessment

- Extended writing tasks
- Supplementation of notes
- Independent learning
- Past papers
- The study of mark schemes
- Assessment booklets

Mathematic skills required

- Arithmetic and numerical computation
- Handling data
- Algebra
- Graphs
- Geometry and trigonometry

Assessment

- Regular fortnightly assessment of the lesson content and intervention topics
- Examinations every 6 weeks in line with the schools assessment plan
- Pre public exam in December 2017 April 2018
- June public examinations

Support available

- An OCR textbook
- Numerous A level textbooks in S17 and S18 for wider reading
- Factsheets
- Chemistry websites
- Shared area with all resources.
- Revision guides
- Key terms
- Past papers
- Course objectives
- Assessment booklets
- Intervention sessions for under achieving pupils

What parents can do to help

- Look at the chemistry website for deadlines.
- Take an interest in your child's chemistry get them to explain what they have learned in lessons.
- Make sure they are studying chemistry for at least five hours a week outside of school hours.
- Ensure that your child has a suitable place to study.
- Take note of, and make sure your child adheres to the content of any chemistry contract letters. These should be kept safe.
- Attend intervention meetings, if necessary, following internal assessments.
- Encourage reading of chemistry and other relevant literature.
- Ensure good attendance in lessons.
- Ensure all homework is completed by checking show my homework.

Members of staff to contact if you have any queries:

Mr G Hikel (Head of department)

Year Group: 13 Key Stage 5

Subject:

A level Computer Science (OCR)

5 hours per week

Exam Board: OCR

Syllabus No: H446

Web link:

http://www.ocr.org.uk/qualifications/as-a-levelgce-computer-science-h046-h446-

from-2015/

Aims of the course

For students to develop:

- An understanding and ability to apply the fundamental principles and concepts of computer science, including: abstraction, decomposition, logic, algorithms and data representation
- The ability to analyse problems in computational terms through practical experience of solving such problems, including writing programs to do so.
- The capacity to think creatively, innovatively, analytically, logically and critically. The capacity to see relationships between different aspects of computer science
- Mathematical skills.

Programme of study for 2017/18

Programme of study for 2017/18				
Term				
Autumn Term 1a Autumn Term 1b Spring Term 2a Spring Term 2b	O1 Computing principles This component will introduce learners to the internal workings of the Central Processing Unit (CPU), the exchange of data and will also look at software development, data types and legal and ethical issues. It is expected that learners will draw on this underpinning content when studying computational thinking, developing programming techniques and devising their own programming approach in the Programming project component (03 or 04). Learners will be expected to apply the criteria below in different contexts including current and future uses of the technologies.	problem solving This component will incorporate and build on the knowledge and understanding gained in the Computer systems component (01). In addition, learners should: - understand what is meant by computational thinking - understand the benefits of applying computational thinking to solving a wide variety of problems - understand the principles of solving problems by computational methods - be able to use algorithms to describe problems - be able to analyse a problem by identifying its component parts.	project Learners will be expected to analyse, design, develop, test, evaluate and document a program written in a suitable programming language. The underlying approach to the project is to apply the principles of computational thinking to a practical coding problem. Learners are expected to apply appropriate principles from an agile development approach to the project development. While the project assessment criteria are organised into specific categories, it is anticipated the final report will document the agile development	

			process and elements for each of the assessment categories will appear throughout the report.
Summer Term 3a	Revision for exam	Revision for exam	Revision for both
Summer	01 Computing principles	02 Algorithms and	component 01 and 02
Term 3b	Exam	problem solving Exam	

Unit 1 and 2

Research / wider reading of topic areas

Examination questions

Unit 3

Preparation tasks for coursework projects

Coursework projects

Support available

Help from staff in non-contact time

Www.teach-ict.com

Text books issued to students

OCR Website

Revision classes

Groupings or setting

Grouped according to options

What parents can do to help

Check coursework deadlines

Purchase recommended revision guides

Member of staff to contact if you have any queries:

Ms C Andrews (Teacher of Unit 1) candrews@westhatch.essex.sch.uk

Mr D Howell (HOD and teacher of units 2 and 3) dhowell@westhatch.essex.sch.uk

Year Group: 13 Key Stage 5

Subject:

Cambridge Technical Certificate in IT

5 hours per week

Exam Board: OCR

Syllabus No: 5839

Web link:

http://www.ocr.org.uk/qualifications/vocational-education-and-skills/cambridge-technicals-it-level-3-certificate-extended-certificate-introductory-diploma-foundation-diploma-diploma-05838-05842-2016-suite/

Aims of the course

These qualifications aim to develop students' knowledge, understanding and skills of the essentials of IT and Cyber Security. Students will gain an insight into the IT sector as they investigate the pace of technological change, IT infrastructure on a global scale, and the importance of legal and security considerations. Designed in collaboration with industry experts the qualifications focus on the requirements that today's employers demand. Students will practically apply their skills and knowledge in preparation for further study, apprenticeship or the workplace.

Students will also develop professional, personal and social skills through interaction with peers, stakeholders and clients, as well as theoretical knowledge and understanding to underpin these skills. These support the transferable skills required by employers such as communication, problem solving, time management, research and analytical skills.

Programme of study for 2017/18

Term		
Autumn	UNIT 1: Fundamentals	UNIT 2: Global Information
Term 1a	of IT	Learning objectives:
Autumn	Learning objectives:	 Understand where information is held globally
Term 1b	Understand computer	and how it is transmitted
Spring	hardware	Understand the styles, classification and the
Term 2a		management of global information

Spring Term 2b	 Understand computer software Understand business IT systems Understand employability and communication skills used in an IT environment Understand ethical and operational issues and threats to computer systems 	 Understand the use of global information and the benefits to individuals and organisations Understand the legal and regulatory framework governing the storage and use of global information Understand the process flow of information Understand the principles of information security
Summer Term 3a	Revision for exam	Revision for exam
Summer	01 Fundamentals of IT	02 Global Information Exam

Unit 1 and 2

Term 3b Exam

Research / wider reading of topic areas Examination questions

Support available

Help from staff in non-contact time

Www.teach-ict.com

Text books issued to students

OCR Website

Revision classes

Groupings or setting

Grouped according to options

What parents can do to help

Check coursework deadlines

Purchase recommended revision guides

Member of staff to contact if you have any queries:

Ms C Andrews (Teacher of Unit 2) <u>candrews@westhatch.essex.sch.uk</u>
Mr D Howell (HOD and teacher of unit 1) <u>dhowell@westhatch.essex.sch.uk</u>

Year Group: 13 - Key Stage 5

Subject: A-LEVEL ENGLISH
LANGUAGE
AND LITERATURE

Exam Board: Edexcel Syllabus No: 9ELO Web link:

http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/english-language-and-literature-2015.html#tab-0

Aims of the course:

The study of A-Level English Language and Literature encourages students to develop their interests in the two fields as interconnecting and mutually supportive disciplines. This course allows students to develop as independent, confident and reflective readers and writers, giving a variety of opportunities to explore the relationship between written and spoken language and literature through a wide range of reading opportunities, critical reading of and response to both literary and non-literary texts, as well as writing for a variety of audiences and purposes.

In Year 13, students will go on to study 'A Streetcar Named Desire' by Tennessee Williams. They will also complete a coursework unit, worth 20% of the overall grade, where they will be asked to produce a portfolio comprising of two, creative pieces of writing and an analytical commentary.

Programme of study for 2017/18:

English Language and Literature - Year 13 (2017/18)

Autum	n 1		Autun	nn 2		
A	'A Streetcar Named Desire' (Component 1, Section B)		A	'A Streetcar Named Desire' (Component 1, Section B)		PPEs: Component 1, Section B PPE Marking - Results: 15th Dec
В	'Fiction Writing' (Component 3, Assignment 1)	Coursework - First Drafts Due	В	'The Commentary' (Component 3, Assignment 2) Coursework Marking and Feedl	pack	Coursework - Final Drafts Due Coursework Marking - Results:
						15th Dec
Spring	1		Spring			
A	'The Great Gatsby' (Component 2, Section B)		A	Voices in Speech and Writing' Anthology (Component 1, Section A)	Exam Prep: (Component 1)	PPEs: Component 1
						PPE Marking & Feedback
В	'Othello' (Component 2, Section B)		В	Exam Prep: - Including comparative skills and (Component 2)	Unseen Prose	PPEs: Component 2
	Coursework Folder Preparation and Moderation					PPE Marking & Feedback

For each timetabled lesson, students should expect to spend up to an hour working independently, which could include preparation: reading ahead or doing research. It might also mean time spent completing or adding to annotations, completing analytical responses and practice exam questions, or preparing presentations, individually and as part of a group.

In order to succeed on this course, students need to read widely, and a suggested reading list is included in their student handbooks. They should also take every opportunity to watch both live performances and filmic interpretations of their Literature texts.

Extra-curricular activities available:

- Day trip to Stratford-upon-Avon to attend Othello conference, provided by The Shakespeare Birthplace Trust
- Subject-specific lectures, delivered by Sovereign Education, held in London
- Guest speakers from across the field, including a writer for Hollyoaks and a variety of journalists

Support available:

Our A-level teachers are dedicated and approachable, and are available to discuss the course and to provide additional support, where possible. The school library is also fully stocked with additional resources, and we do subscribe to a range of helpful (e-)magazines. You can also follow us on Twitter at: @EngDeptWhhs where we regularly post useful information and links to extra materials.

Groupings or setting:

We teach in mixed-ability groups. There is an emphasis on discussion and group work, leading up to individual, written tasks, and booklets, developed within the department, are provided for each module.

There is a minimum requirement of '6' grade at GCSE in both English Language and Literature in order to be accepted on to the course.

What parents can do to help:

To support your child, please ensure that they have a space at home to complete their work, free from distractions. Also, ask them to talk to you about the texts they are studying, to describe the plot, main themes and characters, and to form their own opinions.

With so many texts being covered, over the two year period, it is also imperative that they are fully organised, and so we appreciate your help in ensuring they have the correct equipment, specifically a dedicated course folder and notebook.

Member of staff to contact if you have any queries:

Ms. Jeppesen (KS5 English Co-ordinator) and Mrs Gill (Head of English)

Year Group: 13 - Key Stage 5

Subject: A- LEVEL ENGLISH LITERATURE

Exam Board: Edexcel Syllabus No: 9ETO

Web link:

http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/english-literature-

2015.html

Aims of the course:

The aims of the course are to develop an interest in and enjoyment of literature, through reading widely, critically and independently; discussing a variety of exciting and challenging concepts; and encountering an extensive range of views about texts and how to read them.

This A-Level involves insight into the psychology of the human heart and mind. You will learn about society, culture and, ultimately, yourself. This is a highly enjoyable course that explores the best of writing.

In Year 13, students will go on to study 'A Streetcar Named Desire' by Tennessee Williams and 'The Wife of Bath' by Geoffrey Chaucer. They will also complete a coursework unit, worth 20% of the overall grade, where they will be asked to compare two texts of their own choosing.

Programme of study for 2017/18:

English Literature - Year 13 (2017/18)

Autumn 1		Autumn 2				
A	Coursework	Coursework - First Drafts Due	A	'Poems of the Decade' (Component 3 – Section A) Coursework Marking and Fe	edback	Coursework - Final Drafts Due PPEs: Component 3 - Section A PPE Marking - Results:
						15th Dec
В	'A Streetcar Named Desire' (Component 1 – Section B)	"The Wife of Bath' (Component 3 - Section B)	В	'The Wife of Bath' (Component 3 – Section B)	Exam Prep: (Component 3 - Section B) (Component 1 - Section B)	PPEs: Component 3 – Section B Component 1 – Section B PPE Marking – Results:
						15th Dec
Spring	1		Sprin	g 2		
A	Exam Prep: (Component 2)		A	Exam Prep: (Component 2)		PPEs: Component 2
	Coursework Moderation and Marki	ing				PPE Marking & Feedback
В	Exam Prep: (Component 1 – Section A)		В	Exam Prep: (Component 1 – Section B)		PPEs: Component 1
						PPE Marking & Feedback

For each timetabled lesson, students should expect to spend up to an hour working independently, which could include preparation: reading ahead or doing research. It might also mean time spent completing or adding to annotations, completing analytical responses and practice exam questions, or preparing presentations, individually and as part of a group.

In order to succeed on this course, students need to read widely, and a suggested reading list is included in their student handbooks. They should also take every opportunity to watch both live performances and filmic interpretations of their Literature texts.

Extra-curricular activities available:

- Day trip to Stratford-upon-Avon to attend Othello conference, provided by The Shakespeare Birthplace Trust
- Subject-specific lectures, delivered by Sovereign Education, held in London
- Guest speakers from across the field, including a writer for Hollyoaks and a variety of journalists

Support available:

Our A-level teachers are dedicated and approachable, and are available to discuss the course and to provide additional support, where possible. The school library is also fully stocked with additional resources, and we do subscribe to a range of helpful (e-)magazines. You can also follow us on Twitter at: @EngDeptWhhs where we regularly post useful information and links to extra materials.

Groupings or setting:

We teach in mixed-ability groups. There is an emphasis on discussion and group work, leading up to individual, written tasks, and booklets, developed within the department, are provided for each module.

There is a minimum requirement of '6' grade at GCSE in both English Language and Literature in order to be accepted on to the course.

What parents can do to help:

To support your child, please ensure that they have a space at home to complete their work, free from distractions. Also, ask them to talk to you about the texts they are studying, to describe the plot, main themes and characters, and to form their own opinions.

With so many texts being covered, over the two year period, it is also imperative that they are fully organised, and so we appreciate your help in ensuring they have the correct equipment, specifically a dedicated course folder and notebook.

Member of staff to contact if you have any queries:

Ms. Jeppesen (KS5 English Co-ordinator) and Mrs Gill (Head of English)

rear Group: 13	key stage 5
Subject: GEOGRAPHY	Exam Board: Syllabus No: Web link:
Aims of the course	

Variations E

To complete the two modules which make up the OCR A-Level Geography Specification.

The course examines the main forces influencing the natural environment as well as the issues affecting people and the places where they live. The emphasis is on analysis of both primary and secondary data and the development of fieldwork and decision-making skills.

Programme of study by half term for 2017/18

Autumn Term:

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Independent investigation

Students will use fieldwork and research in order to complete a 4000 word piece of coursework in lesson time and for homework on their own chosen area of study. Students will have one-on-one meetings with a Geography teacher to guide them through the research process. The finished project will account for 20% of their final grade.

Assessment

Assessment of coursework

Spring term:

Global Connections – Migration

This unit explores the contemporary patterns of global migration and the reasons for this migration from war and conflict to gender inequality. They will study the impact of globalisation on creating increasing complexities within global migration. Students will study the role of Government and the differing migration policies around the world. Finally, students will examine the issues associated with unequal flows of migration.

Earth's Life Support Systems

Students will explore the importance of water and carbon to life on Earth, how the water and carbon cycles function in contrasting ecosystems, how the water and carbon cycles change over time.

Assessment

Practice questions Individual research

Summer term:

Revision and exam preparation

Assessment

A final PPE for each examination

Homework that will be set (general)

Research tasks, completion of practical exercises, coursework and practice examination questions.

Extra-Curricular activities available

Fieldtrips

Revision sessions.

Support available

Supplementary material and links available on the OCR website. In addition to this, the department contains a variety of extra reading material which would be useful to students for case studies and to improve their knowledge.

Phillip Allen Geography Review Magazine and revision books published through Hodder.

Groupings or setting

Mixed setting.

What parents can do to help

Encourage students to read a quality daily newspaper and compile a resource file of natural hazards. Provide access to the internet for research and a suitable place for individual study.

Member of staff to contact if you have any queries: Miss Z. Barrett Head of Department

Year Group: 13 Key stage 5

Subject: HISTORY Exam Board: OCR Syllabus No:H505

Web link:

Aims of the course http://www.ocr.org.uk/qualifications/as-a-level-

gcehistory-a-h105-h505-from-2015/

To promote the understanding and interpretation of History and use of skills commensurate with history studies.

To be able to analyse and interpret historical events and actions. The focus is Civil Rights in the USA 1865-1992.

To be able to produce coursework worth 20% of the total award.

Programme of study by half term for 2017-18

Autumn Term: 1a	Autumn Term 1b
Civil Rights 1865-1992 Coursework	 Civil Rights 1865-1992 Coursework
Assessment	Assessment
Exam work	Exam work / Coursework
Spring term 2a	Spring term 2b
1. Civil Rights 1865-1992	1. Civil Rights 1865-1992
2. Coursework	2. Coursework
Assessment	Assessment
Exam work / Coursework/Mock exams	Exam work / Coursework/Mock exams
Summer term 3a	Summer term 3b
1. Civil Rights 1865-1992	
2. Coursework	N/A
Assessment	Assessment
Mocks / revision techniques	External Exams

Homework that will be set (general)

Variety - note making / documents / essay plans / document plans / research / group presentations /exam based revision.

Support available

Departmental support to help revision work / coursework preparation. Extra support classes are made available closer to the exams.

Groupings or setting

Mixed ability groups

What parents can do to help

Ensure homework set is completed - check diaries / ring if any concerns Help with access to resources - books / internet / libraries Ensure students are attending all of their timetabled lessons Check on coursework progress – Contact HOD if there are any concerns

Member of staff to contact if you have any queries:

Miss M Marsden Head of History Year Group 13 Key stage 5

Subject: MATHEMATICS Exam Board: EdExcel

Syllabus No: 8371

Web link:

http://qualifications.pearson.com/en/qualificatio

Aims of the course

To offer students a varied & exciting range of mathematical activities.

To ensure students have established a good knowledge & understanding of mathematical concepts.

To ensure the competent use of calculators for C3, C4 & S1.

Programme of study by half term for 2017/18

Autumn Term: 1a		Autumn Term 1b		
C3	Transforming Graphs	C3	Differentiation	
	Trigonometry	C4	Partial Fractions	
	Further Trigonometric Identities	S1	Probability	
S1	Representation of Sample Data		Correlation	
	Summarising Data (location)			
Assessment		Asse	essment	
Chapter Tests		C3 PPE & S1 Assessment		
Spring term 2a		Spring term 2b		
C4	Co-ordinate Geometry	C4	Differentiation	
	Binomial Expansion		Vectors	
S1	Regression	S1	Normal Distribution	
	Discrete Random Variables			
Assessment		Asse	essment	
Chap	Chapter Tests		eter Tests	
Summer term 3a		Summer term 3b		

Revision of C3, C4 & S1 with past papers	
Assessment	Assessment
C4 & S1 PPE	C3, C4 & S1 External Exams

Applicable for current topic being studied after every lesson for the following lesson.

Extra Curricular activities available

Senior Maths Challenge for most able

Support available

Lunchtime, study periods & after school; the onus is on the pupils to approach their teachers.

Groupings or setting

Grouping

What parents can do to help

Ensure homework is completed on time.

Ensure notes are copied up from lessons missed.

Ensure classwork/homework are completed from lessons missed.

Member of staff to contact if you have any queries:

Mr A.Russell - Head of Department

Year Group: 13 Key Stage 5

Subject: MEDIA STUDIESExam Board: OCR
Syllabus No: H540

Web link: http://www.ocr.org.uk/Images/81037-

Aims of the Course specification.pdf

This course enables candidates to develop a critical awareness and understanding of the media and its role in building and moulding society and its attitudes through the exploration of the products of media production processes (media texts), the institutions which produce them and the audiences which respond to them.

Study is approached through a conceptual framework comprising Media Forms and Conventions, Media Institutions, and Media Audiences and Representations.

A distinctive feature of the course is the practical production element at both AS and Advanced GCE. This enables candidates to put theory into practice by creating their own media products, thus affording opportunities for engagement in creative, imaginative and aesthetic activity.

Programme of study by half term for 2017/18

Autumn Term: 1a	Autumn Term 1b
Unit G324 – Advanced Portfolio in Media – research and planning	Unit G324 Advanced Portfolio in Media – construction and evaluation. Preparation for Unit G325 part 1 reflective and theoretical evaluation of practical work at AS & A2.
Assessment	Assessment
Research and planning blogs, powerpoints,	Completed Advanced Production work
Digipak album, magazine advert	and evaluation
Spring term 2a	Spring term 2b
Unit G325 Part 1- Theoretical Evaluation	Unit G325 continued
Assessment	Assessment
Reflected analysis of AS and A2 construction work and evaluations	Presentations, timed essay questions
Summer term 3a	Summer term 3b
Unit G325 Part 2 Critical Perspectives in Media – Collective Media Identity	Unit G325 continued
Assessment	Assessment
Comparative essays on the representations	Group presentations, analysis of film
of British youths. Through the study of	extracts and still images, analysis of
	magazine articles, timed essays

British films from different eras and online	
media.	
Group and Individual presentations	

Oral presentations; short essays; visual presentations; analysis of chosen film/TV extracts; research and wider reading; practical work (filming, construction etc.).

Extra-Curricular activities available

Film Club (viewing) After school coursework support on Wednesday's.

Support available

Technical support for practical work - after school and during private study time, if required. Media staff are available on a one to one basis if required.

Groupings or setting

Advanced Production can be completed individually or in groups.

What parents can do to help

- * Encourage wider reading of a variety of materials.
- * Keep a check on deadlines (which are non-negotiable)
- * All homework is important even if not written ensure it is done
- * Encourage them to experience new texts, not being completely fed on a diet of reality TV shows, OK magazine and The Sun!

Member of staff to contact if you have any queries:

Miss A Georgiou

Year Group: 13 Key stage 5

Subject: A2 Level PEExam Board:OCR
Syllabus No: H555

Web link: http://www.ocr.org.uk

Aims of the course

OCR's A Level in Physical Education will equip learners with both a depth and breadth of knowledge, understanding and skills relating to scientific, socio-cultural and practical aspects of physical education.

This requires them to:

- understand how physiological and psychological states affect performance understand the key socio-cultural factors that influence people's involvement in physical activity and sport
- understand the role of technology in physical activity and sport develop their ability to analyse and evaluate to improve performance
- understand the contribution which physical activity makes to health and fitness improve as effective and independent learners and as critical and reflective thinkers with curious and enquiring minds.

Programme of study for 2017/18

The modules that are studied throughout the year are:

Theoretical Component (70% of total course- Externally Assessed- 3 x External Exam Papers at the end of Year 13)

Component 01: Physiological factors affecting performance X1 2 HOUR PUBLIC EXAMINATION

- 1.1 Applied anatomy and physiology
- 1.2 Exercise physiology
- 1.3 Biomechanics.

Component 02: Psychological factors affecting performance X1 1 HOUR PUBLIC EXAMINATION

- 2.1 Skill acquisition
- 2.2 Sports psychology.

Component 03: Socio-cultural issues in physical activity and sport X1 HOUR PUBLIC EXAMINATION

- 3.1 Sport and Society
- 3.2 Contemporary issues in physical activity and sport.

Coursework Component (30% of total course)

Component 04: Performance in physical education (NEA) 4.1 Performance or coaching of an activity taken from the approved lists*.	

Homework is set on a weekly basis and will take the form of research tasks, past exam questions or questions based on the theme of the lesson.

Attendance at least one extra-curricular sports club per week is recommended which will aid the non-exam assessment.

Extra Curricular activities available

Pupils in the sixth form have a range of extra-curricular sports clubs to choose from throughout the week to help them improve their performance. Pupils studying A Level PE are expected to attend at least 2 clubs.

Support available

Support is available for students following consultation with learning managers and SEN Department.

Groupings or setting

Groups are mixed ability.

What parents can do to help

- Provide your son/daughter a quiet place to do homework
- Show interest in what work they are doing
- Contact the department without hesitation if you have concerns.

Member of staff to contact if you have any queries: Mrs Reid Head of PE

Year Group: 13 Key stage 5

Subject: PHYSICS

Exam Board: OCR Physics A Syllabus

No: H Web link:

http://www.ocr.org.uk/qualifications/as-a-levelgce-physics-a-h156-h556-from-2015/

Aims of the course

Develop essential knowledge and understanding of different areas of physics and how they relate to each other.
Develop and demonstrate a deep appreciation of the skills, knowledge and understanding of scientific methods.
Develop competence and confidence in a variety of practical, mathematical and problem solving skills.
Develop their interest in and enthusiasm for physics, including developing an interest in further study and careers associated with physics.
Understand how society makes decisions scientific issues and how the sciences contribute to the success of the economy and society.

Programme of study for 2017/18

Content overview	Assessment overview	Modules assessed
Module 1 – Development of practical skills in physics	Modelling physics (01) 100 marks 2 hour 15 minutes written paper	Modules 1, 2, 3 and 5.
	37% of total A level	
Module 2 – Foundations of physics	Exploring physics (02) 100 marks 2 hour 15 minutes written paper	Modules 1, 2, 4 and 6.
	37% of total A level	
Module 3 – Forces and motion	Unified physics (03) 70 marks 1 hour 30 minutes written paper	All modules (1 to 6).
	26% of total A level	
Module 4 – Electrons, waves and photons. Module 5 – Newtonian world and astrophysics	Practical Endorsement in physics (04) (non-exam assessment)	
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	e 6 – Particles and Il physics.	Reported separately.						
Modular content for 2017/18								
Module 5 – Newtonian world and astrophysics			oscillations, g	ics, circular motion, ravitational fields, and cosmology				
Module 6 – Particles and medical physics			Capacitors, el electromagne physics, medi	tism, nuclear and particle				
Homew	ork that will be set	(general)						
	Essays or pieces of	<u></u>						
	Supplementation of	fnotes						
	Independent learning	ng						
	Past papers							
	The study of mark	schemes						
	☐ Intervention sessions for under achieving pupils							
Suppor	Support available							
	An OCR textbook							
	Numerous A level textbooks in S3 for wider reading							
	Factsheets							
	Physics websites							
	Revision guide							
	Key terms							
	Past papers							
	Course objectives							
Assess	ment							
	Regular fortnightly	assessment						
Groupings or setting								
One mixed ability group								

What parents can do to help

- Ensure folders are up to date
- Encourage reading of other relevant literature
- Ensure good attendance in lessons
- Ensure all homework is completed by checking show my homework
- Ensure pupils attend intervention sessions
- Ensure pupils compete revision every week
- Ensure pupils complete one past paper at least every 2 weeks.

Members of staff to contact if you have any queries:

Miss A Bhatia (Head of Physics)

Year Group: 13 Key Stage: 5

Syllabus No: 7181/2

Exam Board: AQA

Web link:

http://www.aga.org.uk/subjects/psychology/as-

Subject: PSYCHOLOGY

Aims of the course:

The aim of the course is to equip students with a current psychological knowledge that is applicable to everyday life. The syllabus encourages students to generate an enthusiasm for the subject and offers opportunities for students to develop an independent and inquisitive style of enquiry that will give them the autonomy to shape their view of the world and their experiences within it.

The A level course comprises of two years' worth of work. The second year of A level will be building on the work done in year 12.

There are 3 units at A level, with each unit being worth 33.3% of the students A Level.

Paper 1 – Introductory topics in Psychology

Students develop their knowledge and understanding of concepts, theories and studies in relation to Social Influence, Memory, Attachment and Psychopathology. Topics include: Social Influence – obedience, conformity and resisting social influence; Cognitive Psychology- Memory & Eye Witness Testimony; Developmental- Attachments & adult relationships; Psychopathology – Abnormality and Treating Disorders.

Paper 2 – Psychology in Context

Students develop their knowledge and understanding of concepts and theories that relate to psychological approaches, Biopsychology and Research Methods. Students develop their skills of evaluation and analysis and apply of this to everyday life. Students develop knowledge and understanding of research methods associated with these areas and conduct practical research to demonstrate their understanding. Topics include: Approaches in psychology – Learning approaches, the cognitive approach, the biological approach, the psychodynamic approach and the humanistic approach; Biopsychology; Research Methods

Paper 3 – Issues and Options in Psychology

Students develop their knowledge and understanding of concepts, theories and studies in relation to Issues and Debates in Psychology, Cognition and Development, Schizophrenia and Forensic Psychology. Topics include: Issues and Debates – bias, free will and determinism, the nature-nurture debate, holism and reductionism, idiographic and nomothetic approaches and ethics; Schizophrenia – classification and Diagnosis, Biological explanations, Psychological explanations, Drug treatments, Cognitive Behavioural Therapy and Family Therapy; Forensic Psychology – Defining crime, Offender profiling, biological explanations of crime, psychological explanations of crime, dealing with offending behaviour.

Programme of study by half term for 2017/2018

Autumn Term: 1a	Autumn Term: 1b		
Psychological Research & Scientific methods & Approaches	Psychopathology-Schizophrenia		
Students will be able to explain the importance of scientific investigation & identify & apply the criteria of a science to real life examples. Design appropriate psychological investigations and conduct them according to the code of ethical conduct. Present, analyse, and interpret data that may arise from such investigations. Accurately report on the findings of these investigations using the BPS approved format.	Students will be able to identify the clinical characteristics of schizophrenia. Discuss issues surrounding the classification and diagnosis of the disorder. Outline & evaluate biological & psychological explanations of the disorder. Describe biological & psychological therapies of schizophrenia and evaluate them for their appropriateness and effectiveness Issues and Debates in Psychology Students will be able to demonstrate		
Students will continue to build upon work on approaches from Year 1 and learning about the new approaches; Psychodynamics and humanism. Student are able to compare and contrast the different approaches.	knowledge or the following debates and apply them to different examples: • Free will and determinism • The nature-nurture debate • Holism and reductionism • Idiographic and nomothetic approaches • Ethical implications of research		
Assessment 1) Mock examination	Assessment 1) Fortnightly formal assessments 2) Mock exam		
1) Mock examination	Fortnightly formal assessments Mock exam		
	Fortnightly formal assessments		
Mock examination Spring Term: 2a	Fortnightly formal assessments Mock exam Spring Term: 2b		
Spring Term: 2a Cognition and Development Students will be able to explain and evaluate Paiget's theory of cognitive development, including the stages of intellectual development. Students can outline Vygotsky's theory of development and scaffolding. Students can explain and evaluate Baillargeon's explanation of infant's early abilities and explain the development of social cognition, including the theory of mind as an explanation for autism. Assessment	1) Fortnightly formal assessments 2) Mock exam Spring Term: 2b Forensic Psychology Students can explain problems with defining crime. Students can outline and compare different theories of offender profiling. Students can explain and evaluate the different theories of offending behaviour including the biological explanation and psychological explanations. Student can explain ways of dealing with offending behaviour and the aims of custodial sentencing. Assessment		
Spring Term: 2a Cognition and Development Students will be able to explain and evaluate Paiget's theory of cognitive development, including the stages of intellectual development. Students can outline Vygotsky's theory of development, including zone of proximal development and scaffolding. Students can explain and evaluate Baillargeon's explanation of infant's early abilities and explain the development of social cognition, including the theory of mind as an explanation for autism.	Tortnightly formal assessments 2) Mock exam Spring Term: 2b Forensic Psychology Students can explain problems with defining crime. Students can outline and compare different theories of offender profiling. Students can explain and evaluate the different theories of offending behaviour including the biological explanation and psychological explanations. Student can explain ways of dealing with offending behaviour and the aims of custodial sentencing.		
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1) Mock examination Spring Term: 2a Cognition and Development Students will be able to explain and evaluate Paiget's theory of cognitive development, including the stages of intellectual development. Students can outline Vygotsky's theory of development, including zone of proximal development and scaffolding. Students can explain and evaluate Baillargeon's explanation of infant's early abilities and explain the development of social cognition, including the theory of mind as an explanation for autism. Assessment 1) Fortnightly formal assessments 2) Mock exam	1) Fortnightly formal assessments 2) Mock exam Spring Term: 2b Forensic Psychology Students can explain problems with defining crime. Students can outline and compare different theories of offender profiling. Students can explain and evaluate the different theories of offending behaviour including the biological explanation and psychological explanations. Student can explain ways of dealing with offending behaviour and the aims of custodial sentencing. Assessment 1) Fortnightly formal assessments 2) Mock exam		

 Application to exam and answering A level questions 	
Assessment	Assessment
Fortnightly formal assessments	1) Examinations- June 2017
2) Mock exam	, and the second

Students complete a range of independent learning tasks. These will include research of topics, exam questions, mind mapping, presentations, mnemonics, note taking and summaries of each lesson including reading around the topics before and after lessons.

Extra-Curricular activities available

Drop in centre- Further support, 1:1 tutorials and supervised private study periods.

Support available

1:1 tutorials, drop in centre, supervised private study periods, revision sessions and online support.

Groupings or setting

Must have a pass of C or above in AS Psychology

What parents can do to help

Ensure that pupils are completing their homework and coursework. Encourage an active role in lunch time clubs, after-school activities and excursions. Encourage a wider interest in Psychology such as reading of novels and watching films related to the core topics.

Member of staff to contact if you have any queries: Ms J Williams – Head of Social Sciences Year Group: 13 Key Stage: 5

Subject: SOCIOLOGY

Aims of the course:

Exam Board: AQA

Syllabus No: 7191/2

Web link:

http://www.aga.org.uk/subjects/sociology/as

The aim of the course is to equip students with a current sociological knowledge that is applicable to everyday life. The syllabus encourages students to review and reflect upon the structure and meaning of the society in which we grow up in. Students will be encouraged to assess current social issues and design social policies to combat these issues. The role of social change is reviewed and the impacts changes have had upon our lives.

The A2 course comprises of three units. Unit 1 is worth 33.3%, Unit 2 is worth 33.3% and Unit 3 is worth 33.3% of the overall A Level.

Unit 1- Education with Theory and Methods

Students continue to develop their knowledge and understanding of concepts and studies in relation to Education. Students will look at the role and purpose of education, differences in achievement of social groups, class groups and gender, the effects of teacher and pupil's relationships and the significance of educational policies. At A level, students will apply their understanding of Education to sociological perspectives and research methods.

Unit 2- Topics in Sociology

Students will look at the changing patterns of marriage, relationships between family and social structure and social change, review gender roles and power relationships, the nature of childhood and changes in the family and society over time. Students foster a critical awareness of contemporary social processes and change, and draw together the knowledge and skills learnt in different aspects of the course. Students will look at the relationship between ownership and control of the mass media. Globalisation and popular culture. The process of selection and presentation of content of the news. Media representations of age, social class, ethnicity, gender, sexuality and disability. The new media and its significance in understanding the role of media in contemporary society.

Unit 3- Crime and Deviance with Theory and Methods

Students should become involved in theoretical debate while encouraging an active involvement in research processes. Students should evidence their theoretical understanding with examples drawn from their own experiences of small scale research. Students will examine differing theories of crime and deviance as well as social order and control. Students should examine patterns of crime as well as the crime prevention strategies currently employed. Students will also examine sociological understanding of suicide. Students should demonstrate an understanding of research methods including types of data, how data is collected. Students should be able to assess the theories they examine using sociological perspectives.

Programme of study by half term for 2016/17

Autumn Term: 1a	Autumn Term: 1b		
Crime and DevianceTheory and MethodsMass Media	Crime and DevianceTheory and MethodsMass Media		
Assessment 2) Mock examination	Assessment 3) Fortnightly formal assessments 4) Mock exam		
Spring Term: 2a	Spring Term: 2b		
 Crime and Deviance Theory and Methods Mass Media Assessment Fortnightly formal assessments 4) Mock exam	Crime and Deviance Theory and Methods Mass Media Assessment Something the second of the second o		
Summer Term: 3a	Summer Term 3b		
RevisionExams and study leave	RevisionExams and Study leave		
Assessment 3) Fortnightly formal assessments 4) Mock exam	Assessment 2) Examinations		

Homework that will be set (general)

Students complete a range of independent learning tasks. These will include research of topics, exam questions, mind mapping, presentations, mnemonics, note taking and summaries of each lesson including reading around the topics before and after lessons.

Extra-Curricular activities available

Drop in centre- Further support, 1:1 tutorials, and supervised private study periods.

Support available

1:1 tutorials, drop in centre, supervised private study periods, revision sessions, and online support.

Groupings or setting

Must have a pass in AS Sociology

What parents can do to help

- Ensure that pupils are completing their homework and coursework
- Encourage an active role in lunch time clubs, after-school activities and excursions.
- Encourage a wider interest in Sociology; such as reading of novels and watching films related to the core topics

Member of staff to contact if you have any queries:

Ms J Williams - Head of Social Sciences