

Subject: Art	Exam board: AQA
Course information:	
Component 1: Personal investigation 60% total grade	 Students will complete a skill building introduction course during the Autumn and first part of the Spring term, based on a broad theme such as 'Natural Forms/ Mar made'. In Spring they will begin their <u>Component 1</u>, where students are required to conduct a <u>Personal Investigation</u>, into an idea, issue, concept or theme, supported by written material. The focus of the investigation must be identified independently by the student and must lead to a finished outcome or a series of related finished outcomes. 5 hours homework plus 2 hours directed study per week is expected outside of lesson time in order to meet the demands of the course. Life drawing is offered as an extra-curricular course during the Autumn term and is strongly recommended to support the portfolio.
Component 2: Externally set assignment 40% total grade	 Students will be provided with AQA examination papers on 1st February during the second year of the course. AQA set a choice of eight questions to be used as starting points. Students are required to select one. The preparatory period is 10 weeks from 1st February. In May, students will complete 15 hours of unaided, supervised time during which they must produce a finished outcome or a series of related finished outcomes, informed by their preparatory work.

Summer Study Project:

1: Visit a gallery and produce a short critical study for discussion in September (specific exhibitions will be suggested on Induction Day).

https://www.newexhibitions.com/galleries https://www.timeout.com/london/art

2: To begin a series of observational drawings; natural & man-made objects. Small handmade fold out sketchbooks will be provided on Induction Day and students should complete 5 sides worth of drawing. A PowerPoint and suggested task list will be shown on Induction Day.



Subject: Biology	Exam board: Edexcel Biology A (Salters Nuffield)	
Course information:		
This course is taught in a context led approach which means that you learn to apply knowledge to a range of situations. For more details please see the specification on the Edexcel website. There are 8 topics in total. You will cover Topics 1-4 (and some of 5) in Year 12. The remaining topics will be completed in Year 13		
Assessment is by 3 written papers at the end of Year 13: Paper 1 : 9BNO/01 – The Natural Environment and Species Survival – 33.33% of final mark Paper 2 : 9BNO/02 – Energy, Exercise and Coordination – 33.33% of final mark Paper 3 : 9BNO/03 – General and Practical Application in Biology – 33.33% of final mark		

9BNO/04 – Science Practical Endorsement (The assessment of practical skills is a compulsory requirement of the course of study for A level biology and is assessed in lessons across the 2 years. It will appear on all students' certificates as a separately reported result, alongside the overall grade for the qualification)

Summer Study Project:

Biology is a fascinating subject, the study of which will see you learn about the natural world and all the living things within it. An A-level in Biology opens up a vast range of opportunities for both university degrees and career options, many of which can take you all around the world. The most successful A-Level students are the ones that arrive in September with a **strong foundation of GCSE knowledge** and an active interest in **wider reading**.

Over the summer:

- Buy a copy of the CGP book: 'Head Start to A-Level Biology' (ISBN: 9781782942795). This book recaps important GCSE topics you'll need to remember. There are 9 sections in this book with questions at the end. The time you spend on each section will depend on how confident you are on the content. Aim to spend 20-30mins on a section spacing this out over several days and revisiting anything you are less confident in.
- Work through the book and questions. Complete and self-assess the questions and bring to your first Biology lesson.
- For more information on when this content is revisited during the course, see pages 58-68 of the document found here: <u>https://qualifications.pearson.com/content/dam/pdf/A%20Level/biologya/2015/teaching-and-learning-materials/transition-guide.pdf</u>



Subject: Chemistry	Exam board: AQA

Course information:

Chemistry at Wallington is split into 16 units each covering different aspects of Physical, Inorganic and Organic Chemistry. You will also be required to undertake 15 assessed practical tasks; providing evidence of the skills you have utilised and developed in each one. The course is linear with three external examinations:

Paper 1: Physical and Inorganic [35%]

Paper 2: Physical and Organic [35%]

Paper 3: Synoptic paper and practical techniques [30%]

Summer Study Project:

Chemistry is an exciting, but challenging course and it is vital that you have a solid understanding of the fundamental concepts covered at GCSE. To facilitate this, we would like you to complete the following tasks:

Compulsory: Follow the <u>link</u> and complete all question sheets. **These should take approximately 6 hours.** Your teachers will check this work in the first 2 weeks of Autumn term, and the exact date for each class to show their completed work will be given to you in your first lesson. Please note that your teacher will check you have completed the work, but will not mark it. Mark schemes will then be made available for you to self-assess your work. Extra support for this work will be provided for those who need it during drop in sessions.

Optional: Following the link will also take you to the KS5 Chemistry wider reading list. You may enjoy beginning to look at some our recommended texts.

Optional: In addition to these tasks, you will find some interesting resources and information on the Royal Society for Chemistry website <u>Support for students | RSC Education</u>



Year 12 Induction Day

Subject: Classical Civilisation	Exam board: OCR
Course information (all texts are studied in translati	on):
Classical Civilisation A Level consists of three compo	
1. <u>The World of the Hero (H408/11)</u> . You study two vi <i>Iliad</i> is considered the most influential and earliest su the eighth century BC. But, it is a very moving accour famous heroes like Achilleus, Odysseus & Helen, and fate, & relationships between men & women.	rviving piece of western literature, dating back to at of aspects of the Trojan War, dominated by
Virgil, in a sense, picks up from Homer in his <i>Aeneid</i> . Though Roman & written about seven hundred years after the <i>Iliad</i> , Virgil tells the story of the Trojans' great second hero, Aeneas, & how he faces many epic journeys & challenges in order to establish a Trojan colony in Italy that is destined to be the beginnings of the Roman Empire. You will meet many heroes & tales from Troy again, but now with a decidedly Roman slant. Both epics, and the studies below, will really enhance your literary appreciation, analytical abilities & cultural awareness. This module is worth 40% of total A level; the exam is out of 100, & is 2hours 20 minutes.	
2. <u>Culture & the Arts - Greek Theatre (H408/21)</u> . Ther	e are three parts to this component:

a) Greek Tragedy. You study Sophocles' *Oedipus the King*, the brilliant play which inspired Freud about a man doomed to kill his father & 'marry' his mother; & Euripides' *Bacchae*, about a young man whose rejection of a god has disastrous consequences.

b) Greek Comedy. You study Aristophanes' *Frogs*. Society is in such a poor state, Dionysus must travel to the underworld to recruit a dead poet to save mankind (though a comedy, this gives you some idea of how highly the Greeks regarded writers and literature).

c) Visual/ Material Sources. This area is divided between study of the Greek Theatre itself (the famous Theatre of Dionysus, & the Theatre of Thorikos); & the study of Greek vases, where you will learn about artists & vase painting techniques. You will also study vase paintings that are really closely connected to the wonderful stories and myths that we will explore.

3. <u>Beliefs & Ideas - Love & Relationships (H408/32)</u>. There are various aspects to this thematic component, ranging from the study of men & women in the ancient world, to studying the ideas of Plato & Seneca on love & desire. Furthermore, you will explore the fragmentary works of the rare authoress Sappho from Lesbos, and you will also study the set text of Ovid's *Ars Amatoria* ('The Art of Love'). Other themes of central interest in this module are: men & women, sex, marriage, & society & values. This module is worth 30% of total A level; the exam is out of 75, & is 1hours 45 minutes.

Summer Study Project/<u>Background reading over the summer:</u>

Read Homer's *lliad*, tr M. Hammond (Penguin, 1987, ISBN 978-0140444445). You can read just the set chapters (which are known as 'Books') – 1, 3, 4, 6, 9, 10, 16, 17, 18, 19, 22, 23, 24; OR the whole book. Whichever you choose, write up to two sides of A4 on what you have found most interesting in the *lliad* (to be handed in on the first lesson in September). This could be anything; for example, a summary of the main characters – what they do, what they are like. You may want to focus on ONE specific character, such as Helen, Hektor, Achilleus, Nestor, Paris, Odysseus, etc., and do a detailed study. Or you could write about the themes that have intrigued you; e.g. the role of the gods. For further *lliad* ideas, see the Information for Students in the MLE.



For other ideas of what you can read (OPTIONAL), see the 'Highly Recommended Reading' in the MLE. Also, any type of *fun* research will help, e.g. library/ internet searches on 'ancient Greece/ Rome', 'women in Greece and Rome', 'Homer', 'Aristophanes', etc. Equally, reading anything on Greek/ Roman myths (even children's books) will be useful and give you some idea of what the ancients were interested in. You could even watch 'Troy'! (but remember two things: 1) it's based on the *Iliad*, and not *vice vers*a (Latin for, 'the other way round'); 2) (most importantly) Homer didn't compose the *Iliad* for Wallington students. His intentions were far, far greater. Now it's your chance to find out, perhaps, what they really were).

Though noted elsewhere, there are a couple of books that I could not recommend highly enough. These will really help you on your classical journey: *The Concise Oxford Companion to Classical Literature*, eds. Howatson & Chilvers. This is brilliant little classical encyclopaedia, covering literature, myth, history, philosophy, etc. *Apollodorus, The Library of Greek Mythology* (the Oxford World's Classics version), tr. R. Hard. This is a fascinating handbook of all the major Greek myths, ranging from the creation story, the labours of Heracles and Jason and the Argonauts, to Oedipus, the Trojan War & the end of the heroic world.

'Through learning, become who you are' (Pindar, Pythian 2)

Best, Dr Boyten

PS. If you have any questions (about *any* area of the classical world you're interested in), please feel free to contact me: bboyten@wallingtongirls.org.uk



Subject: Computer Science	Exam board: OCR		
Course information: This is a linear course, meaning all content is examined at the end. Your A-level grade will depend entirely on your performance in the exams you take at the end of Y13, which will cover all of the content you are taught in both years.			
Component 1 – Computer systems – Written Paper 40% of total A Level			
Component 2 – Algorithms and Programming – Wri 40% of total A Level	itten Paper		
Programming project – 20% of total A level			
Summer Study Project:			
Prepare a short PowerPoint that is no longer than 5 will check.	slides on Artificial Intelligence (AI) that your teacher		
Discuss : what are the moral, ethical, legal and cultu For research, go online to TED Talks and search for A	AI.		
ook at cultural representation through the media i	n movies such as AI, Terminator, Ex-Machina etc.		
v programmes, such as the Ch4 drama called Huma ssues which provides an interesting insight into AI.	ans, looks at the moral, ethical, legal and cultural		
ou should also start to explore Computer Science a	-		
 Read some popular CS books (such as ' Look at the influence of CS in society cu as programmer? 	The Singularity is Near'). urrently and the near future. What would your role be		
 Attend an exhibition or lecture at a mu 	seum or university.		
Natch some documentaries or listen to some pode	asts (there are lots on YouTube, BBC Click is a good		



Subject: Drama	Exam board: Edexcel
Course information:	

Component 1 - worth 40% of the A Level

Students devise a piece of theatre which you will then perform. You will record the process and create a portfolio, which is internally marked and externally moderated.

Component 2 - worth 20% of the A Level

Students are directed in a group performance from a set text. Students are directed in a monologue or duologue from a different set text. Performances are externally assessed by a visiting examiner

Component 3 – worth 40% of the A Level

Students explore, through practical workshops, a set text from the viewpoint of an actor. Students explore, through practical workshops, a set second set text from the viewpoint of a theatre director.

Students evaluate a piece of live, professionally performed theatre. We visit the National Theatre or the West End to complete this component.

The end of Year 13 written examination paper is 2 hours 30 minutes. It is externally marked by Edexcel. Students should have actors blacks to work in and be prepared to collaborate and support each other's creative ideas and opinions.

Summer Study Project:

Students should watch professional theatre performances online or visit the theatre this summer if possible. Be prepared to feed back to the class, for example with a short power point presentation, about what you saw. This could also include street theatre, children's theatre, or a fringe production. Try <u>https://www.theatresonline.com/genre/watch-theatre-online;</u> <u>https://www.shakespearesglobe.com/watch/</u>; and <u>https://www.nationaltheatre.org.uk/16-25-tickets</u> as starting points.

Notice and evaluate the success of: The director's main concept for the production in terms of style, casting and setting(location) of the play- have any updates been made to the original play that you know of? Look at choices made about costume, set, lighting and music and choices around acting, choreography and movement. Have an opinion about whether the piece you have seen was successful or not and why.

Wider reading: "An Actor Prepares" Constantin Stanislavski; "On Theatre: The Development of an Aesthetic" Bertolt Brecht; "Towards a Poor Theatre" Jerzy Grotowski.



Year 12 Induction Day

Subject: Economics	Exam board: OCR
Course information:	
Paper 1 Microeconomics	
Allocation of scarce resources	
• The objectives of economic agents	
 Supply and demand and the interaction of ma 	arkets
 Productive and allocative efficiency 	
 How competitive markets work 	
 Market structures and market power 	
 Market failure and government intervention 	
 Government failure 	
Paper 2 Macroeconomics	
 Economic growth and development 	
 Unemployment/employment 	
 Inflation and deflation 	
Income distribution	
 Aggregate demand and aggregate supply 	
 Fiscal, monetary and supply side policies 	
Globalisation, international trade, balance of	f payments and exchange rates
• The role and regulation of the financial sector	or
Paper 3 Themes in Economics	
This draws upon students' knowledge and understan	ding of the material covered in Papers 1 and 2.
All papers are two hour written examinations worth	33.3% of the A-Level
Summer Study Project:	
A) Start to think like an economist over the sum	mer holidays
While queuing up for favourite ride at the theme par queues to form?	k ask yourself - why does the park allow these
Be prepared to share your thoughts in class this Sept	ember.
B) Start to research as an economist over the ho	lidays
Find two interesting news stories over the summer. One should be microeconomic and the other	

Be prepared to talk about your articles in class this September.

macroeconomic in content.



ubject: English Literature		Exam board: EDUQAS (WJEC)	
ourse informat	ion:		
	Teacher 1	Teacher 2	
Autumn 1	Unseen Prose – Late Victorian	A Streetcar Named Desire &	
Autumn 2	Plath & Hughes	The Duchess of Malfi	
Spring 1	Plath and Hughes	Unseen Poetry	
Spring 2	Paradise Lost (Bk 9/IX)		
Summer 1	Paradise Lost (Bk 9/IX)	Coursework – Core text and partner text	
Summer 2			

Summer preparation for year 13:

Reading the partner text for coursework; unseen prose reading list

Year 13	Teacher 1	Teacher 2	
Autumn 1	King Lear	Coursework	
Autumn 2	King Lear	Coursework	
Spring 1	Unseen Prose	Unseen Poetry	
Spring 2	Revision	Revision	
Summer 1	Revision	Revision	
Summer 2	Public exams	Public exams	

Summer Study Project:

Prepare to become a writer of fine Literary Analysis. The significant progression in studying Literature at KS5 is the need to understand and use critical positions – other views and your own. To do this well you first need to become sure of your own analysis. **SO:**

1. To recap and sharpen your use and knowledge of terms and conventions: COLLATE YOUR OWN GLOSSARIES of

a) all the key *literary* terms (e.g. metaphor) you have ever used in your study of literature since year 7. Create definitions and examples.

b) all the key *dramatic terms and Shakespearean conventions* you have studied and used, with a particular focus on *tragedy*.

c) all the *poetic* terms you have used.

 To develop your critical skills and widen your reading: CHOOSE, READ AND STUDY ONE OF THE FOLLOWING: Tess of the D'Urbervilles by Thomas Hardy The Picture of Dorian Gray by Oscar Wilde The Awakening by Kate Chopin

Once you've read one of these in depth, read around it:

• **Research** the novel's background and the author



- **look for critical responses** to the text (what critics and academics have said about it). Good online sources include jstor and the British Library; a tip for Googling degree and higher essays is to look for PDFs.
- Write your own critical appraisal of this novel. What are its big ideas? How does it express them? What have others thought of it and do you agree?
- 3. To broaden your experience of poetry SPEND SOME QUALITY TIME WITH A GREAT POETRY ANTHOLOGY, e.g. The Rattle Bag; Poems on the Underground; The Poetry Pharmacy; A Poem for Every Day of the Year <u>https://www.poetryfoundation.org/learn/resources</u> <u>https://www.poemtree.com</u> Stephen Fry's 'The Ode Less Travelled' is a detailed and engaging overview of poetic forms, and would also be invaluable.

It is also highly recommended that you watch performances of the Drama texts - many good versions are available online, notably the National Theatre's Streetcar:

The Duchess of Malfi by John Webster

A Streetcar Named Desire by Tennessee Williams

King Lear by William Shakespeare



Year 12 Induction Day

Subject: Film Studies		Exam board: EDUQAS	
Course information:			
Component 1: Varieties of Film and filmmaking	Written Exam: 2 ½ hrs		35% of the A level
	Section A: Hollywood 1930)-1990	Classical Hollywood and New
	(comparative study)		Hollywood
	Section B: American Film s	ince 2005	Mainstream and contemporary
	(two- film study)		independent film
	Section C: British Film since	e 1995	Two British films
	(two- film study)		
Component 2: Global	Written Exam 2 ½ hrs		35% of the A level
filmmaking perspectives			
	Section A: Global Film		One European and one non-
	(two- film study)		European film
	Section B: Documentary Fi	lm	One Documentary film
	Section C: Film Movement cinema	s- Silent	One silent film
	Section D: Film Movement	S-	One experimental film
	Experimental film (1960-20	000)	
Component 3: Production	Non- Examined Assessme	nt	30% of the A level
	Either a short film (4-5 mi	nutes)	
	Or a screenplay (1600-180	0 words)	
	And an evaluative analysis	S	

Summer Study Project:

1. Use this link to watch the tutorials on film making and work through the corresponding work sheets

Filmmaking Techniques Course: How to Elevate Your Film in 5 Videos (studiobinder.com)

Choose three films from the following list and watch them. Make notes on any interesting techniques, narrative styles or visuals. Do some research into the film and again make notes on why this particular film might be considered as being "one to watch". Has it influenced other films, or defined a specific time or genre?
 https://www.empireonline.com/movies/features/best-movies-2/



Year 12 Induction Day

Subject: Frencl	h Exam board: AQA		
Course inform	ation:		
A-level	Aspects of French-speaking society: current trends		
	• 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 bénévolat)		
	Aspects of French-speaking society: current issues		
	Positive features of a diverse society (Les aspects positifs d'une société diverse)		
	Life for the marginalised (Quelle vie pour les marginalisés?)		
	How criminals are treated (Comment on traite les criminels)		
	Artistic culture in the French-speaking world		
	• 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)		
	Aspects of political life in the French-speaking world		
	• Teenagers, the right to vote and political commitment (Les ados, le droit de vote et l'engagement politique)		
	Demonstrations, strikes – who holds the power? (Manifestations, grèves – à qui le pouvoir ?)		
	 Politics and immigration (La politique et l'immigration) 		
	Cultural Topic		
	Students study 1 book and 1 film		
	dividual Research Topic		
	 Students conduct individual research on a subject of personal interest, relating to a francophone country (for oral only) 		
Assessment	Unit Listening, reading, and translation assessment – 2 hrs 30 minutes – 50% of A 1 Level		
	Unit One essay each on the book and film studied – 2 hrs – 20% of A Level 2		
	Unit Speaking Assessment – (a discussion card and the research project) – 21-23		
	3 minutes (including 5 minutes preparation time) – 30% of A Level		



Summer Study Project:

Preparation for beginning A Level French in Year 12

Please read and complete all exercises in the Year 12 Transition Work booklet given out on induction day. You will be expected to arrive at your first lesson with all work completed and ready to mark! If you were not at the induction day, please e-mail swallis@wallingtongirls.org.uk to receive a digital copy. Make sure that you know the following inside out!

- All tenses covered at GCSE
- Adjectives and adjectival agreement
- Adverbs and linking words

Read and listen to as much French as possible, either on the radio, TV or on the internet. Here are some useful websites.

https://www.1jour1actu.com/ TF1 chaîne de télévision : découvrez Secret Story - tf1.fr France 2: site de la chaine de télévision-France 2 France 3: site de la chaine de télévision-France 3 Libération: Toute l'actualité monde, politique, société, culture, débats Fun Radio : Le son dancefloor, radio FM en ligne, Cauet, Sophie, photos, videos, jeux concours, musique, concerts ... www.nrj.fr/

The more preparation you do now, the better equipped you will be at the beginning of the course in September.

Bonne chance! 😳



The Mathematics A-level is a demanding but exciting course, covering a wide range of elements from pure mathematics, statistics and mechanics. There is a focus on proof, problem-solving and modelling designed to develop mathematical thinking, understanding and skills in working scientifically. It will be examined at the end of year 13. You will sit three examination papers as follows: Paper 1 Pure Mathematics 33.3% 2 hours Paper 2 Pure Mathematics 33.3% 2 hours Paper 3 Statistics and Mechanics 33.3% 2 hours They will then extend their knowledge of Further Pure and Applied Mathematics by studying topics such as Proof, Complex numbers, Matrices, Polar coordinates, Hyperbolic functions, Differential equations; Momentum and Collisions; Discrete Probability distributions and Chi Squared tests. In addition to the three Mathematics A-level Papers, students will take a further four examination papers for Further Mathematics 2 25% 1½ hours Paper 2 Core Pure Mathematics 2 25% 1½ hours Paper 2 Core Pure Mathematics 2 5% 1½ hours Paper 2 Further Mechanics1 25% 1½ hours Paper 2 Further Mathematics1 25% 1½ hours Paper 2 Further Statistics1	Subject: Further Mathematics	Exam board: Edexcel			
Students studying Further Maths will complete the Mathematics A-level content in year 12. The Mathematics A-level is a demanding but exciting course, covering a wide range of elements from pure mathematics, statistics and mechanics. There is a focus on proof, problem-solving and modelling designed to develop mathematical thinking, understanding and skills in working scientifically. It will be examined at the end of year 13. You will sit three examination papers as follows: Paper 1 Pure Mathematics 33.3% 2 hours Paper 2 Pure Mathematics 33.3% 2 hours Paper 3 Statistics and Mechanics 33.3% 2 hours They will then extend their knowledge of Further Pure and Applied Mathematics by studying topics such as Proof, Complex numbers, Matrices, Polar coordinates, Hyperbolic functions, Differential equations; Momentum and Collisions; Discrete Probability distributions and Chi Squared tests. In addition to the three Mathematics at the end of year 13 as follows: Two Core Pure papers: Paper 1 Core Pure Mathematics 2 25% 1½ hours Paper 2 Core Pure Mathematics 2 25% 1½ hours And two Applied papers: Paper 2 Further Mathematics 2 25% 1½ hours Paper 2 Further Statistics 1 2 5% 1½ hours Paper 2 Further Statistics 1 2 5% 1½ hours Paper 2 Further Mathematics 2 5% 1½ hours Paper 2 Further Statistics 1 2 5% 1½ hours Paper 2 Further Mathematics 2 1/2 5% 1½ hours Paper 2 Further Mathematics 2 1/2 5% 1½ hours Paper 3 Further Mathematics 2 1/2 5% 1½ hours Paper 4 Further Mechanics 7 25% 1½ hours Paper 4 Further Mechanics 7 25% 1½ hours Paper 4 Further Mathematics 7 25% 1½ hours Paper 4 Further Mathematics 7 25% 1½ hours Paper 4 Further Mathematics 7 25% 1½ hours Paper 4 Evel Mathematics 7 25% 1½ hours Paper 4 Evel Mathematics 7 25% 1½ hours Paper 4 Evel Mathematics 7 25% 1/2 hours Paper 5 2 Fu	Course information:				
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Paper 1Pure Mathematics33.3%2 hoursPaper 2Pure Mathematics33.3%2 hoursPaper 3Statistics and Mechanics33.3%2 hoursThey will then extend their knowledge of Further Pure and Applied Mathematics by studying topics such as Proof, Complex numbers, Matrices, Polar coordinates, Hyperbolic functions, Differential equations; Momentum and Collisions; Discrete Probability distributions and Chi Squared tests.In addition to the three Mathematics A-level Papers, students will take a further four examination papers for Further Mathematics at the end of year 13 as follows: Two Core Pure papers: Paper 1Paper 2Core Pure Mathematics25%1½hoursPaper 3Further Mechanics25%1½Paper 4Further Mechanics25%1½Paper 5Paper 2Paper 6EditoriaPaper 7Further Mechanics25%1½Paper 8Paper 9Further Mechanics25%1½Paper 9Purther Statistics25%1½Vou will need the following calculator throughout the course: Casio FX-991EX or Casio FX-991CWWe use the following text books in Year 12: Edexcel Pure Mathematics Year 1/AS Textbook – Pearsons (ISBN: 9781292183398) Edexcel Statistics & Mechanics Year 1/AS Textbook – Pearsons (ISBN: 9781292183404) Edexcel A Level Mathematics Pure Mathematics Year 2 Textbook – Pearsons (ISBN: 9781446944073)	Students studying Further Maths will complete the Mathematics A-level content in year 12. The Mathematics A-level is a demanding but exciting course, covering a wide range of elements from pure mathematics, statistics and mechanics. There is a focus on proof, problem-solving and modelling designed to develop mathematical thinking, understanding and skills in working scientifically. It will be examined at the end of year 13.				
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papers for Further Mathematics at the end of year 13 as follows: Two Core Pure papers: Paper 1 Core Pure Mathematics1 25% 1½ hours Paper 2 Core Pure Mathematics2 25% 1½ hours And two Applied papers: Paper 1 Further Mechanics1 25% 1½ hours Paper 2 Further Statistics1 25% 1½ hours You will need the following calculator throughout the course: Casio FX-991EX or Casio FX-991CW We use the following text books in Year 12: Edexcel Pure Mathematics Year 1/AS Textbook – Pearsons (ISBN: 9781292183398) Edexcel Statistics & Mechanics Year 1/AS Textbook – Pearsons (ISBN: 9781292232539) Edexcel A Level Mathematics Pure Mathematics Year 2 Textbook – Pearsons (ISBN: 9781292183404) Edexcel A Level Mathematics Statistics & Mechanics Year 2 Textbook – Pearsons (ISBN: 9781446944073)	They will then extend their knowledge of Further Pure and Applied Mathematics by studying topics such as Proof, Complex numbers, Matrices, Polar coordinates, Hyperbolic functions, Differential equations; Momentum and Collisions; Discrete Probability distributions and Chi Squared tests.				
Paper 1 Core Pure Mathematics125%1½ hoursPaper 2 Core Pure Mathematics225%1½ hoursAnd two Applied papers:Paper 1 Further Mechanics125%1½ hoursPaper 1 Further Mechanics125%1½ hoursPaper 2 Further Statistics125%1½ hoursYou will need the following calculator throughout the course:Casio FX-991EX or Casio FX-991CWWe use the following text books in Year 12:Edexcel Pure Mathematics Year 1/AS Textbook – Pearsons (ISBN: 9781292183398)Edexcel Statistics & Mechanics Year 1/AS Textbook – Pearsons (ISBN: 9781292232539)Edexcel A Level Mathematics Pure Mathematics Year 2 Textbook – Pearsons (ISBN: 9781292183404)Edexcel A Level Mathematics Statistics & Mechanics Year 2 Textbook – Pearsons (ISBN: 9781446944073)	papers for Further Mathematics at the end of year 13				
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To broaden your view of maths:					
 We would recommend a few summer reads. Either: – Select a book (14+) from the nrich reading list: <u>Recommended Books (maths.org)</u> such as "Mathematics: A 					

- very short introduction", Timothy Gowers or "Fermat's Last Theorem", Simon Singh
- Read maths articles from https://plus.maths.org/



Summer Study Project:

To be ready to tackle the new A-level material you will need a sound grasp of all the 7-9 GCSE content in Algebra and Trigonometry. At the very start of your Maths A-level course you will be given a Maths Skills Test to complete. This will enable us to see where students may need additional support. To enable you to make the best possible start we have arranged the following tasks for you to complete over the Summer Holidays:

- 1. Revise your GCSE knowledge and complete and mark the diagnostic assessment at the end of the transition booklet, bringing it to your first mathematics lesson, together with your corrections.
- There is an emphasis on problem solving in the new Maths A-level. To help develop your mathematical thinking skills we would like you to complete the 2020 SMC Paper, which can be found at: <u>Senior Mathematical Challenge archive | UK Mathematics Trust (ukmt.org.uk)</u>. You should then mark the paper and attempt corrections.
 If you would like help to work through this and really understand the solutions you can enrol on this free course: <u>Get ready for the Senior Mathematics Mathematics (mathsaurus.com)</u>

Topics that will be tested in the Maths Skills Test:

Number	Fractions	
	Indices and Surds	
Algebra	Rearranging formulae	
	Expanding brackets and factorising	
	Quadratics (factorise, complete the square, formula)	
	Simultaneous equations (including one non-linear)	
	Straight line graphs and equations including parallel and perpendicular lines	
	Algebraic fractions (simplify and solve equations)	
Trigonometry	Pythagoras and SOHCAHTOA	
	Graphs	
	Sine and Cosine rule and area of a triangle	

Materials to support this are - the transition booklet, one of the following websites or your own resources:

http://amsp.org.uk/resource/gcse-alevel-transition-resources http://www.cimt.org.uk/projects/mepres/step-up/index.htm http://www.mathedup.co.uk/transition-takeaway/

Further Extension:

The university of Cambridge reading list also suggests looking at maths sites such as:

- NRICH (<u>http://nrich.maths.org.uk</u>), which is an interactive mathematics club;
- Plus (<u>http://plus.maths.org.uk</u>), which is a web-based mathematics journal.
- <u>http://www.cut-the-knot.org/</u>, which " is like a mathematical labyrinth": It covers a huge range of mathematics, all of which is interesting and beautifully presented.



Year 12 Induction Day

Subject:	Ge	ography E	xam board: Ed	excel (2016)
Course inform	ation: Ede	xcel A level		
Four areas of s	study:			
Area of st	udy 1	Dynamic Landscapes (incluc	ling tectonics a	nd coasts)
Area of st	udy 2	Dynamic Places (including g	lobalisation and	l regenerating places)
Area of st	udy 3	Physical Systems and Sustai	i nability (includ	ing climate changes, the
		water cycle & water insecur	ities, the carbor	n cycle and energy security)
Area of st	udy 4	Human Systems and Geopo	litics (including	superpowers and migration)
Assessment:				
<u>1)</u> 3 exar	ns in the su	mmer at the end of the 2 year	rs (worth 80% o	of the whole A level combined)
Paper 1	Exam co	vering all areas of study relating	ng to	2 hours 15 mins, worth 30%
	physical	geography		of the whole A level
Paper 2	Exam co	vering all areas of study relating	ng to human	2 hours 15 mins, worth 30%
	geograp	ny		of the whole A level
Paper 3	Exam inc	ludes a synoptic investigation	linking the	2 hours 15 mins, worth 20%
	three the	emes (Players, Actions & Attitu	udes,	of the whole A level
	Futures a	& Uncertainties)		

2) Independent investigation:

The final 20% of the A level is coursework-an independent investigation. The topic of this is your own choice but we complete fieldwork on the following human and physical fieldwork topics:

Regeneration of Urban Areas, Coastal Landscapes & Change

Summer Study Project:

Here is a list of tasks that we would like you to complete over the summer before starting year 12. These articles/documentaries/films will be useful in your first geography lessons. All of these items link to Area of study 1 & 2 of the Edexcel A level course- Dynamic landscapes and Dynamic Places.

1. Read the following book:

Geography: Ideas in Profile by Danny Dorling & Carl Lee. ISBN: 978-1781255308. Available to buy from Amazon-£2.84 kindle edition (which you can read using the kindle app on a phone/tablet if you don't have a kindle) or £6.99 paperback (cheaper options also available for used books).

2. Tectonic Processes & Hazards

-Go to <u>https://www.geolsoc.org.uk/Plate-Tectonics</u> and explore the whole website, looking at all four tabs (pioneers of plate tectonics, what is a plate, plate margins, plate tectonics of the UK). Write down 10 bullet points based on this website's information; these points could be something you learnt from the reading, something you found interesting, and something that surprised you.

-Watch this documentary on youtube from the BBC - Volcano Live, Iceland Erupts: A Volcano Live Special



https://www.youtube.com/watch?v=bIDXgde1Tpg

-Explore more of the links found here from the BBC: <u>https://www.bbc.co.uk/programmes/articles/2kGVYxmPrvV9rHjNgNYlQnt/volcano-extras</u>

-Watch the TED talk "How mobile phones power disaster relief": <u>https://www.ted.com/talks/paul_conneally_digital_humanitarianism</u>

-After watching these documentaries/clips/talks add to your bullet points above with anything you found particularly interesting.

3. Globalisation

-Investigate the concept of globalisation using the links below. Try to look at most of these links and create a mind map to summarise your understanding.

General introduction to Globalisation: <u>https://www.rgs.org/schools/teaching-resources/what-is-globalisation/</u> <u>https://www.nationalgeographic.org/encyclopedia/globalization/</u>

Globalisation: the rise and fall of an idea that swept the world <u>https://www.theguardian.com/world/2017/jul/14/globalisation-the-rise-and-fall-of-an-idea-that-swept-the-world</u>

How containerisation changed the world and accelerated globalisation: <u>https://ed.ted.com/lessons/how-containerization-shaped-the-modern-world</u>

Nationalism or globalism? Should we focus more on our own nations or on the whole world together? Do we have to choose between them? <u>https://www.ted.com/talks/wanis_kabbaj_how_nationalism_and_globalism_can_coexist</u>

Netflix documentary: American Factory (NB. you can only watch this with a Netflix account, so please skip this one if you do not have Netflix).

Have a great summer 🔞



Year 12 Induction Day

Subject: Germa	in	Exam board: AQA
Course informa	ntion:	
A-level	Торі	cs studied are:
	• <u>A</u>	Aspects of German-speaking society
	• T	he changing state of the family
	• T	he digital world
	• Y	outh culture: fashion and trends, music, television
	• <u>N</u>	Multiculturalism in German-speaking society
	• Ir	mmigration
	• Ir	ntegration
	• R	Racism
	• <u>A</u>	Artistic culture in the German-speaking world
	• F	estivals and traditions
	• A	Art and architecture
	• C	Cultural life in Berlin, past and present
	• <u>A</u>	Aspects of political life in the German-speaking world
	• 6	Germany and the European Union
	• P	Politics and youth
	• 6	German re-unification and its consequences
	<u>Cultural</u>	<u>Topic</u>
		students study 1 book and 1 film
		al Research Topic
		tudents conduct individual research on a subject of personal interest, relating
	t	o a German-speaking country (for oral only)
Assessment	1 1	istening, reading, translation and writing assessment – 2 hrs 30 minutes –
		10% of A Level
		Vriting assessment on the book and film studied + translation into German– 2 ars – 30% of A Level
	Unit S	peaking Assessment (a discussion card and the research project)–
	1	pproximately 20 minutes (including 5 minutes preparation time) – 30% of A evel

Summer Study Project:

Please read and complete all exercises in the Year 12 Transition Work booklet given out on induction day. You will be expected to arrive at your first lesson with all work completed and ready to mark! If you were not at the induction day, please e-mail <u>fwalters@wallingtongirls.org.uk</u> to receive a digital copy. Otherwise, explore <u>https://www.dw.com/de/deutsch-lernen/s-2055</u> for lots of ways of learning (look for materials at B1 level), and subscribe to Easy German, Slow German and My German Short Stories on YouTube. Try to watch or listen to one episode from each channel every week, writing down and learning the vocabulary as you go.

You can also start learning the A Level vocabulary at <u>https://quizlet.com/FrauWalters/folders/a-level-year-1/sets</u> Viel Spaß!



Year 12 Induction Day

Subject: Politics	Exam board: Edexcel
Course information:	
Component 1 : UK Politics and Core Political Ideas	
Democracy and participation	
Political Parties	
Electoral systems	
 Voting behaviour and the media 	
 Core Political Ideas = conservatism , liberalism 	n and socialism
Component 2: UK Government and Non-core Politi	
Constitution	
Parliament	
 Prime minster and executive 	
 Relationships between parliament, executive 	and judiciary
 Non-core political ideas = feminism 	
Component 3: Global Politics	
 Sovereignty and globalisation 	
 Global governance – political and economic 	
 Global governance – human rights and enviro 	onmental
 Power and development 	
Regionalism	
 Comparative theories = realism, liberalism an 	d anarchism
All three components have a two hour written exami	ination that is worth 33.3% of the A-Level.
Summer Study Project: Start to think about current	affairs. Choose your news platform from a variety
of political view points.	
Here is a suggested list of magazines/Apps/Podcasts.	We recommend you use at least four different
ones as your sources of current affairs information:	
Magazines/Newspapers (for all of these you can subs	scribe for a small cost and receive either paper or
digital copies. Some of them are available in App for	n)
The Economist	
The Spectator	
The New Statesman	
Different newspapers from different political perspective	ctives e.g. The Guardian/The Daily Telegraph
Apps	
Twitter (follow key politicians and journalists)	
BBC News	
The Week	
Podcasts	
News Agents	
The Rest is Politics	
Leading	
Be prepared to discuss what you are reading/listenin	g to in September.



Year 12 Induction Day

Subject: History	Exam board: Edexcel
Course information:	
There are four units to the History A level; three ex	aminations and one piece of course work.

Unit 1: Russia 1917-91: from Lenin to Yeltsin

(30% of the A level; written examination, 2 hours 15 mins)

This unit comprises a study in breadth, in which students will learn about the key political, social and economic features of communist rule in Russia during the twentieth century, an era that saw its authority and influence rise to the status of a superpower, only to diminish and decline later in the century. The focus of study is on developments and changes over a broad timescale, and so the content is presented as themes spanning a significant duration: 1917–85. This option also contains a study in depth of historical interpretations on a broad question, which is contextualised by, and runs on from, the themes: reasons for the fall of the USSR, c1985–91.

Unit 2: Mao's China, 1949-1976

(20% of the A level; written examination, 1 hour 30 minutes)

This option comprises a study in depth of the transformation of communist China in the years 1949–76. The aftershocks of these changes are still being felt today as China emerges as a great economic and political power on the world stage. Students will gain an in-depth understanding of the nature and extent of change in this period, the effects of Mao Zedong's policies on the lives of the Chinese people, and Mao's role in driving dramatic political, social and economic changes.

Unit 3: Rebellion and disorder under the Tudors, 1485-1603 (30% of the A level; written examination, 2 hours 15 mins)

This option comprises two parts: the *Aspects in breadth* focus on long-term changes and contextualise the *Aspects in depth*, which focus in detail on key episodes. Together, the breadth and depth topics explore the nature of rebellion and disorder under the Tudors and the way the various challenges were met, the nature of change in government over the period and the changing relationship between the Crown and key sections of society. The option enables students to explore the way in which, despite a shaky start, the Tudors were able to establish their dynasty as one of the most powerful England has seen.

Unit 4: Coursework essay, 3000 to 4000 words, focusing on historical interpretation (20% of the final A level mark)

Following a series of taught lessons which focus on the skill of working with historical interpretations, students will select to write their course work essay in response to one of six questions, two from each of the taught units.

Summer Study Project:

When you return to school in September you will begin studying Papers 1 and 2 of your A-level History. We would like you to do some preparatory reading, listening, watching, or exploration for each of these.

Paper 1: Russia 1917-91: from Lenin to Yeltsin.

A good place to start is with *The Russian Revolution: A very short introduction* by **S A Smith.** The whole period of our course is covered by the very readable *Revolutionary Russia, 1891-91: A Pelican Introduction* by **Orlando Figes.** Another good one is *'The Shortest History of the Soviet Union'* by **Sheila Fitzpatrick.** Reading these books before September would be good place to start. Discover the riches of the BBC radio



programme "In Our Time". Log on to the BBC radio i-player and follow the links. Once there, search the archive and listen to the programme on Lenin. Take some notes and be ready to discuss this programme on your return in September. <u>http://www.bbc.co.uk/programmes/p00546pv</u>. You are bound to discover other episodes of interest to you. Download them and listen over the next few months.

2. China: 1949-1976

There are countless books about this fascinating period of history, but you should at the very least obtain a copy of *Mao: A Very Short Introduction* by **Delia Davin**, along with a copy of *Wild Swans* by **Jung Chang**. Read both of these - the former gives a great overview of all of the History you will study for this paper, whilst the latter will give you a good idea of what China was like both before and during the Mao era, which will be incredibly useful. *Wild Swans* is a huge book, but very easy to read and interesting, so please don't be overwhelmed by its size! Other useful and fascinating reads include *Do not say we have nothing* by **Madeleine Thien**, *Life and Death in Shanghai* by **Nien Cheng**, *Tombstone* by Yang Jisheng and *To Live* by **Yu Hua** (which has also been made into a film, if you can find a copy).

3. Tudors: Rebellion and disorder under the Tudors, 1485–1603

There are so many books about the Tudors you will be spoilt for choice. However, we would like you to obtain a copy of *The Tudors* by **Richard Rex.** Read all of this if you have time but you <u>must</u> read the chapter on Henry VII. You have been given a paper copy of this so you can start straight away. Having an overview on the Wars of the Roses will help you to understand the background to the Tudor dynasty. Another 'In Our Time' podcast can be found! Come to the first Tudor lesson ready to discuss this.

http://www.bbc.co.uk/programmes/p00546sp. You could also watch some of *The Hollow Crown*, BBC Shakespeare adaptions on the Wars of the Roses. Get stuck into some of the brilliant stuff on the Tudors. Take your pick from documentaries, films, books and novels! For example, you could have a go at *Wolf Hall* (either **Hillary Mantel's** novels or the recent BBC TV adaptation) or **CJ Samson's** *Shardlake* Tudor detective series.

Also recommended:

Follow some History specific Podcasts including: The Rest is History

Empire



Subject: Mathematics		Exam board: Edexcel
Course information:		
oure mathematics, statistics and m	echanics. There i thinking, unders	g course, covering a wide range of elements from is a focus on proof, problem-solving and modelling tanding and skills in working scientifically. It is a ne end of year 13.
You will sit three examination pape	ers as follows:	
Paper 1 Pure Mathematics	33.3% 2 hours	
Paper 2 Pure Mathematics	33.3% 2 hours	
Paper 3 Statistics and Mechanics	33.3% 2 hours	
You will need the following calcula Casio FX-991EX or Casio FX-991CW	-	ne course:
Casio EX-39TEX OL Casio EX-39TCM	1	
We use the following text books:		
Year 12: AS		
Edexcel Pure Mathematics Year 1/		
	r 1/AS Textbook	– Pearsons (ISBN: 9781292232539)
Year 13: A2		
		ar 2 Textbook – Pearsons (ISBN: 9781292183404)
Edexcel A Level Mathematics Statis	stics & Mechanics	s Year 2 Textbook – Pearsons (ISBN: 9781446944073

Summer Study Project:

To be ready to tackle the new A-level material you will need a sound grasp of all the 7-9 GCSE content in Algebra and Trigonometry. At the very start of your Maths A-level course you will be given a Maths Skills Test to complete. This will enable us to see where students may need additional support. To enable you to make the best possible start we have arranged the following tasks for you to complete over the Summer Holidays:

- 1. Revise your GCSE knowledge and complete and mark the diagnostic assessment at the end of the transition booklet, bringing it to your first mathematics lesson, together with your corrections.
- There is an emphasis on problem solving in the new Maths A-level. To help develop your mathematical thinking skills we would like you to complete the 2020 SMC Paper, which can be found at: <u>Senior Mathematical Challenge archive | UK Mathematics Trust (ukmt.org.uk)</u>. You should then mark the paper and attempt corrections.
 If you would like help to work through this and really understand the solutions you can enrol on this free course: <u>Get ready for the Senior Mathematics Challenge (mathsaurus.com)</u>



Topics that will be tested in the Maths Skills Test:

Number	Fractions	
	Indices and Surds	
Algebra	Rearranging formulae	
	Expanding brackets and factorising	
	Quadratics (factorise, complete the square, formula)	
	Simultaneous equations (including one non-linear)	
	Straight line graphs and equations including parallel and perpendicular lines	
	Algebraic fractions (simplify and solve equations)	
Trigonometry	Pythagoras and SOHCAHTOA	
	Graphs	
	Sine and Cosine rule and area of a triangle	

Materials to support this are - the transition booklet (<u>Year 11 to 12 Transition Booklet 2023.pdf</u>), one of the following websites or your own resources: https://amsp.org.uk/resource/gcse-alevel-transition-resources

http://www.cimt.org.uk/projects/mepres/step-up/index.htm http://www.mathedup.co.uk/transition-takeaway/

To broaden your view of maths:

We would recommend a few summer reads. Either: -

- Select a book (14+) from the nrich reading list: <u>Recommended Books (maths.org)</u> such as "Mathematics: A very short introduction", Timothy Gowers or "Fermat's Last Theorem", Simon Singh
- Read maths articles from <u>https://plus.maths.org/</u>

Further Extension:

The university of Cambridge reading list also suggests looking at maths sites such as:

- NRICH (<u>http://nrich.maths.org.uk</u>), which is an interactive mathematics club;
- Plus (<u>http://plus.maths.org.uk</u>), which is a web-based mathematics journal.
- <u>http://www.cut-the-knot.org/</u>, which "is like a mathematical labyrinth": It covers a huge range of mathematics, all of which is interesting and beautifully presented.



Year 12 Induction Day

ubject: Pl	E	Exam board: AQA
Course info	ormation:	I
A level	Paper 1	 Factors affecting participation in physical activity and sport (35%) Section A: Applied anatomy and physiology Section B: Skill acquisition Section C: Sport and society
	Paper 2	 Factors affecting optimal performance in physical activity and sport (35%) Section A: Exercise physiology and biomechanics Section B: Sport psychology Section C: Sport and society and technology in sport
	Practical	Students participate in a range of sports in lessons and then select <u>one</u> sport in which to be assessed in for their final moderation (30%)

Summer Study Project:

- <u>https://www.youtube.com/watch?v=ycmz8q4bUyM</u> watch this video about A-Level Cardiovascular system and make notes – this will be the very first topic you cover in September and you will be expected to already have a basic understanding in the first lesson
- Research task can you find out and produce notes/fact sheet on the origins and history of Football, Tennis and Athletics in Britain. How has the sport evolved? This will be one of your first areas of study in September
- 3. Research personality in Sport what type of personality do you have? How does this effect you in sport?



Subject: Philosophy and Ethics	Exam board: AQA
Course information:	
The course is composed of four units: Metaphysics o Moral Philosophy. In each unit you study key topics	
 Moral Philosophy Normative theories: Utilitarianism Kantian deontological ethics Aristotelian virtue ethics Meta-ethics 	 <i>Epistemology</i> What is knowledge? Perception as a source of knowledge Reason as a source of knowledge Limits of knowledge
 Metaphysics of God The concept and nature of God Arguments relating to the existence of God Religious Language 	 Metaphysics of Mind What do we mean by 'mind'? Dualist theories Physicalist theories Functionalist accounts

In terms of assessment there are two 3 hour exams which assess two units each. Each exam is worth 50% of the total A-level.

Summer Study Project:

The aim of this summer project is to keep your philosophical mind engaged and active over the summer. We also hope, as future philosophers, you will enjoy watching some debate on relevant philosophical issues; the notes are merely to help you remember the key ideas that arose so please don't spend too long agonising over detail.

- Watch the following YouTube video and learn how to make Cornell notes; <u>https://www.youtube.com/watch?v=WtW9IyE040Q</u>
- Watch the first four episodes of Michael Sandel's Harvard course on Justice, and make Cornell notes on utilitarianism; <u>http://justiceharvard.org/justicecourse/</u>

At the start of the year you will complete a short re-call quiz on the content learnt from these lectures and prizes will be awarded to best in class.

We hope you have a great summer!



Subject: Physics	Exam board: Edexcel (9PH0)
Course information:	
Year 13 Exte	ernal Exams
Paper 1: Advanced Physics I (30%, 1h 45m, 90 marks)	Paper 2: Advanced Physics II (30%, 1h 45m, 90 marks)
Topic 1: Working as a Physics	Topic 1: Working as a Physics
Topic 2: Mechanics	Topic 4: Materials
Topic 3: Electric Circuits	Topic 5: Waves and Particle nature of Light
Topic 6: Further Mechanics	Topic 9: Thermodynamics
Topic 7: Electric and magnetic Fields	Topic 10: Space
Topic 8: Nuclear and Particle Physics	Topic 11: Nuclear Radiation
	Topic 12: Gravitational Fields
	Topic 13: Oscillations
Paper 3: General and Practical Principle	es in Physics (40%, 2h 30m, 120 marks)
Questions in this paper may draw on	any of the topics in this specification.
The paper will include synoptic questions the	at may draw on two or more different topics
	theoretical understanding of experimental methods (indirect nts' experiences of the core practicals.
This is a linear course, meaning all content is examin	o i
entirely on your performance in the exams you take you are taught in both years.	at the end of Y13, which will cover all of the content
The paper break down is shown opposite. You will co	over topics 1 to 6 in Y12 and the rest in Y13.
As part of your A-level, you will also work towards th	-
qualification that will appear on your certificate as a grade for your A-level.	separately reported result, alongside the overall
Summer Study Project:	

You should ensure that your knowledge of GCSE Physics is as secure as possible.



You should also start to explore physics as a subject more. You could:

- Read some popular physics books or science magazines (such as 'New Scientist').
- Attend an exhibition or lecture at a museum or university.
- Watch some documentaries or listen to some podcasts (such as 'The Infinite Monkey Cage'). We will want to here about what you have done in your Physics lessons in september



Subject: Product Design	Exam board: AQA
Course information:	

The two year course is split 50/50 coursework and exam. Students will study 12 different theory components that will be delivered in a variety of ways and with different teachers. Practical work will provide opportunities for students to embed what they have learnt and the coursework project will start late in Year 12 after sufficient theory knowledge has been gained.

The coursework folder and final practical piece provides 50% of the final mark and allows the student to demonstrate their skills in designing and making. The exam is 2 hours and 30 minutes long and is all written.

You will cover materials, processes, existing products, history of design and practical techniques to realise your ideas.

Summer Study Project:

Come up with an Image Board relating to flat pack products that could be sent through the post in an A4 envelope.

Go to the Victoria and Albert museum and be inspired by the design.

Visit the Design Museum and make some sketches of inspiring design. Alternatively take a selection of photos and make up a photo montage.

Suggested Reading-Success through Failure. Henry Pretofsky New Science of Strong Materials. G.E Gordon



Year 12 Induction Day

ject: Psycholo	ЗУ	Exam board: AQA
rse informatio	n:	
ject content		
1) Socia	influence	6) Biopsychology
2) Mem		7) Research methods
3) Attac		8) Issues and debates in psychology
4) Psych	opathology	9) Cognition and Development
	baches in psychology	10) Schizophrenia
		11) Forensics
Paper 1	Social influence	 Written exam: 2 hours
Paper 1	Memory	 96 marks in total
Paper 1	Memory Attachment	
	Memory Attachment Psychopathology	96 marks in total33.3% of A Level
Paper 1 Paper 2	Memory Attachment	 96 marks in total
	Memory Attachment Psychopathology Approaches in psychology Biopsychology	96 marks in total33.3% of A Level
	Memory Attachment Psychopathology Approaches in psychology	 96 marks in total 33.3% of A Level Written exam: 2 hours
	Memory Attachment Psychopathology Approaches in psychology Biopsychology	 96 marks in total 33.3% of A Level Written exam: 2 hours 96 marks in total 33.3% of A Level
Paper 2	Memory Attachment Psychopathology Approaches in psychology Biopsychology Research methods	 96 marks in total 33.3% of A Level Written exam: 2 hours 96 marks in total 33.3% of A Level
Paper 2	Memory Attachment Psychopathology Approaches in psychology Biopsychology Research methods Issues and debates in psychol	 96 marks in total 33.3% of A Level Written exam: 2 hours 96 marks in total 33.3% of A Level Written exam: 2 hours

Summer Study Project:

Your task:

Compulsory: Conduct some research on the 'nature nurture debate' in Psychology and make some notes. You will then use these notes to investigate something I am often asked as a Psychology teacher (and is a debate we get to discuss at A-Level): 'Are we made evil or born evil?' Your task is to produce a minimum 300-word essay answering the question, "<u>Are we made evil or born evil?</u>" In your essay, you should aim to include as much Psychological and scientific language as possible (think back to the words you will have learnt about whilst researching Nature Nurture) and give a balanced account (e.g. don't write 270 words on why we are made evil and only 30 on why we are born evil).

Compulsory: Please use relevant books/websites to research the following three approaches: Biological, Behavioural and Cognitive. You will need to write down their underlying assumptions (e.g. how the approaches explains human behaviour) as well as the strengths and the weaknesses of each approach. Please bullet-point this. You will need this to help your understanding of the first few topics of Psychology. We will expect this in written format and for you to have it in the front of your folder to look back at throughout Year 12 and Year 13.



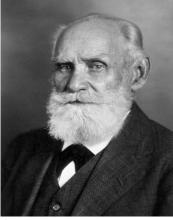
Compulsory: You should also research the following famous Psychologists and be prepared to talk about them in the first weeks of A-Level Psychology.

Optional: There are some more Transition tasks on the Psychology A-Level Frog Page under the 'Transition' tab if you so wish.

For any and all questions, please do email Ms Clayton on hclayton@wallingtongirls.org.uk



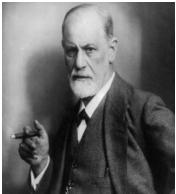
B. F. Skinner (1904 - 1990)



Ivan Pavlov (1849 – 1936)



Stanley Milgram (1933 – 1984)



Sigmund Freud (1856 – 1939)



John Bowlby (1907 – 1999)



Marry Ainsworth (1913 – 1999)



Albert Bandura (1925 -)



Elizabeth Loftus (1944 -)



Marie Jahoda (1907 – 2001)



Subject: Sociology			Exam board: AQA	
Cour	se information:			
Subje	ect content			
			hods	
Asse	ssments			
	Paper 1	Education with theory and methods	 Written exam: 2 hours 80 marks in total 33.3% of A Level 	
	Paper 2	Families and households Beliefs in society	 Written exam: 2 hours 80 marks in total 33.3% of A Level 	
-	Paper 3	Crime and deviance with the and methods	 Written exam: 2 hours 80 marks in total 33.3% of A Level 	

Summer Study Project:

Compulsory: Watch the video clip on YouTube: What is Sociology? Crash Course Sociology <u>https://www.youtube.com/watch?v=YnCJU6PaCio</u> and write down at least 5 things you've learned about Sociology.

Compulsory: Use <u>https://www.tutor2u.net/sociology/reference</u> and watch the videos relating to the key sociological theories listed below. For each one explain the main ideas and concepts and the key sociologists. This can be done in note form, a brainstorm or a poster on each.

- Functionalism https://youtu.be/wFgot8TJtmo
- Marxism
 <u>https://youtu.be/BC6WYXhY0co</u>
- Feminism <u>https://youtu.be/D6DI-9pSW-4</u>
- Action Theories (Interactionism)



https://youtu.be/ZZk54A5xPD8

 Postmodernism <u>https://youtu.be/ZHBNTvIWczU</u>

Optional: There are some more Transition tasks on the Sociology A-Level Frog Page under the 'Transition' tab if you so wish.

For any and all questions, please do email Mrs Hackin on <u>Ihackin@wallingtongirls.org.uk</u>



Year 12 Induction Day

Subject:			Exam board:	
-		Spanish	AQA	
Course in	forma	tion:		
A-level	Aspects	s of Hispanic society		
	•	Modern and traditional values		
	•	Cyberspace		
	•	Equal rights		
	<u>Artistic</u>	culture in the Hispanic world		
	•	Modern day idols		
	•	Spanish regional identity		
	•	Cultural heritage or cultural landsc	ape	
	<u>Multicu</u>	Ilturalism in Hispanic Society		
	•	Immigration		
	•	Racism		
	•	Integration		
		s of political life in the Hispanic world		
	•	Today's youth, tomorrow's citizens		
	•	Monarchies, republics and dictator	ships	
	•	Popular movements		
	<u>Cultura</u>		emende Albe) and 1 film (El Laberinte del Esure)	
	• Individu	ual Research Topic	ernarda Alba) and 1 film (El Laberinto del Fauno)	
		· · · · · ·	ch on a subject of personal interest relating to the	
	•	Hispanic world (for oral only)	ch on a subject of personal interest, relating to the	
	Gramm			
	<u>Grann</u>	Students study the grammatical sys	stem and structure of Spanish	
	•	statents staty the grannatical sy.		
Assessment	Unit 1	Listening, reading, translation asses	ssment – 2 hrs 30 minutes – 50% of A Level	
	Unit 2	Writing assessment on the book an	nd film studied – 2 hrs – 20% of A Level	
	Unit 3	Speaking Assessment – approxima time) – 30% of A Level	tely 20 minutes (including 5 minutes preparation	

Summer Study Project:

Preparation for beginning A Level Spanish in Year 12

A. Before September, make sure that you know the following inside out by using <u>Home Page ||</u> <u>Conjuguemos</u>

- Present tense (+ Radical changing verbs)
- Preterite tense (+ common irregulars)
- Future tense (simple future and immediate future)
- Imperfect tense (+ the 3 irregulars)
- Conditional tense
- Adjectives and adjectival agreement
- Adverbs and linking words



B. Read and listen to as much Spanish as possible, either on the radio, TV or on the internet.

Here are some useful websites/apps:

Radio & TV: <u>www.rtve.es</u>

TV: <u>www.telecinco.es</u>

Newspaper : <u>www.elpais.com</u>

Radio: www.bbc.co.uk/mundo

Magazine: <u>www.hola.com</u>

C. Also, we recommend that you listen to and read the news in English at least once a week for example:

Radio: Radio 4 Today Programme (6am – 9am). You can listen again online: <u>BBC Radio 4 - Today - Available now</u>. TV: Channel 4 News 7pm daily <u>Channel 4 | The on-demand channel from 4</u> Newspaper: A broadsheet newspaper <u>News, sport and opinion from the Guardian's UK edition | The Guardian</u>

D. Finally, you can begin to brainstorm the topic areas we will be covering:

Autumn 1: Modern and traditional values (family) Autumn 2: Cyberspace (internet, social media, mobile phones) Spring 1: Equal rights (feminism, male chauvinism, gay & transgender rights) Spring 2: Modern day idols (music, TV, cinema, models) Summer 1: Spanish regional identity (traditions & customs) Summer 2: Cultural heritage (tourist sites & prehistoric civilisations, art & architecture)

Here is the link to join the group to access the A Level Spanish vocab on Quizlet: <u>https://quizlet.com/join/9epuyTchS</u>

The more preparation you do now, the better equipped you will be at the beginning of the course in September.

Buena suerte 🕲