

Marling School



Stroud High School

**Preparatory Summer Work  
for A Level Study**

**Entry September 2017**

# SUBJECTS

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Art & Design – Fine Art

Art & Design – Graphic Communication

Art & Design – Photography

Art – Textiles

Biology –

Business Studies

Chemistry

Computer Science

Drama & Theatre Studies

DT – 3D Product Design – Resistant Materials – Graphic Products

DT – Product Design – Textiles

Economics

English Literature

French

Geography

German

History

ICT

Latin

Mathematics

Mathematics – Further

Music

Music Technology

Philosophy & Ethics

Physical Education

Physics

Politics & Government

Psychology

Sociology

Spanish

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## **ART AND DESIGN – FINE ART / GRAPHIC COMMUNICATION**

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**Choose one full day in your holiday to produce a creative / photographic visual diary.**

What is important is the creative way that you interpret your day through the lens of your camera.

Aim for and show evidence of:

- Good lighting
- Different viewpoints of natural / man-made objects
- Looking up / down / lying down / crouching – do not always rely on standing to take a photograph
- Reflections through water / mirrors / glass
- The interaction of shadows on the environment (natural / built)
- Close-up, concentrating on patterns / texture found in nature as well as man-made
- One point and Two point Perspective
- Bold and dynamic compositions

Be aware of the setting and what is behind what you are trying to photograph, does it work compositionally or is it too busy / distracting. Make sure that you know the distance that your camera needs to be to ensure that any photographs taken are in focus, if in doubt check the manual (this will of course depend on whether you have an option to use a macro lens).

In September we will expect you to produce a contact sheet and edits of your best 10-20 as part of a PowerPoint.

## **ART AND DESIGN – PHOTOGRAPHY**

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Look carefully at the topics below and start taking your own inspirational photographic images (and/or drawings) which you will use as a resource library (scrap book) for September. If you have a camera, do play with the different settings, focal points, filters and lenses. Please consider different viewpoints, be creative through the lens. If you do not have a camera or cannot borrow one from friends or family then use your mobile phone.

You must show evidence of all the topics however, you can also spend more time on just one as it may become the main focus for your sustained coursework project.

Look at and respond to:

- Skies – try to show different weather conditions
- People in different contexts – look at the shapes they make / interaction with others and their environments / shadows / silhouettes
- Animals
- Texture – close-ups of weathered surfaces – cut up vegetables, peeling paint, lichen & seaweed on rock, cracks, strata, flowers, leaves, fungi, shells & pebbles
- Land-/sea-/town-scapes – consider interesting viewpoints / angles
- Structures – bones, trees, ruins, buildings, church towers, bridges, piers, gateways, arches, castle doors and other interesting focal & view points
- Symbolic Vanitas objects with a vintage quality – old keys, clocks, antique boxes / lockets
- Vehicles & transport – interesting focal & view points
- Other – this is for you to choose and to respond to

You must bring all this work to the first lesson. Photographs must be brought in on a school recognisable USB/format, so that they can be stored on the G/Drive for future use. Please organise them into separate titled library folders beforehand. Any additional recording from observation must be brought in too.

## ART AND DESIGN – TEXTILES

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Prior to starting in September you must have carried out research into the Textile artist Maurizio Anzeri and have produced responses to his work through Textile sampling.

Please click on the link for more detail

[https://padlet.com/shs\\_6form/Summer Work and Transition Materials](https://padlet.com/shs_6form/Summer_Work_and_Transition_Materials)

## BIOLOGY

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In preparation for starting Biology, the following work is required:

- Make annotated diagrams of generalised plant, animal and prokaryotic cells (at AS Biology level detail)
- Make an annotated diagram of the fluid mosaic model of a membrane (at AS Biology level detail)
- Find out about the structures of the following molecules: carbohydrates (monosaccharides, disaccharides and polysaccharides), proteins, triglycerides (fats/lipids) and phospholipids
- Useful sites:
  - Khan academy <https://www.khanacademy.org/>
  - biologymad.com <http://www.biologymad.com>
  - s-cool <http://www.s-cool.co.uk/>
  - CrashCourse (via youtube)

## BUSINESS STUDIES

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To prepare effectively for studying Business Studies at A level you will need to complete the following three activities over the Summer:

1. Gain a working knowledge of current business and economic affairs by regularly reviewing the business news at the following websites:
  - [www.bbc.co.uk/news/business](http://www.bbc.co.uk/news/business)
  - [www.economist.com](http://www.economist.com)
  - [www.telegraph.co.uk/finance](http://www.telegraph.co.uk/finance)

Select ONE business that is in the news and write a short profile (1 page, A4) highlighting why it is in the news, what its challenges are and how it plans to deal with these challenges.

2. Become familiar with the use of Aims and Objectives in business strategy by reading ONE of the following case studies and preparing notes in readiness for a class discussion on “The use of SMART objectives in business”:

**Case Study 1: Kelloggs** – Using aims and objectives to create a business strategy, in Edition 12 of the Times 100 Business Case Studies, found at [www.businesscasestudies.co.uk/kelloggs](http://www.businesscasestudies.co.uk/kelloggs)

**Case Study 2: Zurich** – A customer-centred approach to providing insurance, in Edition 16 of the Times 100 Business Case Studies, found at [www.businesscasestudies.co.uk/zurich](http://www.businesscasestudies.co.uk/zurich)

3. Create a 2 minute presentation to introduce yourself to the class. This should include information on:
  - Who you are and who you want to be in future
  - Why you are interested in business
  - Your personal strengths and weaknesses as a learner

If you were to set up a successful business OR invent a product what would it be?

## CHEMISTRY

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Forward, further and background reading is really important before and during the course. Although we will give you a textbook, there are five other books we recommend reading – they will be effective companions throughout the course:

- **OCR A level Chemistry Student Book 1** by Mike Smith and John Older (ISBN 978-1471827068): this is a very good exam-focused textbook written for your new course. The authors are also the examiners who write the A-Level exam.
- **Chemistry in Context** by Graham Hill and John Holman (ISBN 978-0174482765): this is an accessible and well-written text that gets to the heart of A-Level Chemistry and is more concerned with developing your understanding than teaching you to pass an exam.
- **A-Level Chemistry** by E N Ramsden (ISBN 978-0748752997): the “Bible” of all A-Level chemistry textbooks. Goes into and beyond the detail required by most A-Level courses. An excellent reference, written in a style that becomes more accessible and insightful, the more you read it – heavy going to start with but stick with it!
- **New Head Start to A-Level Chemistry** (ISBN 978-1782942801) published by CGP and priced £4.95 from Amazon is an effective revision guide for the important GCSE principles that underpin this A-Level course.
- **New A-Level Chemistry for OCR A: Year 1 & AS Student Book** by CGP (ISBN 978-1782943228); this is an essential book and course companion which we can bulk order for you and purchase at a much reduced price in September.

### Baseline Assessment

Your GCSEs in Science are an important foundation upon which to continue your learning. If you are rusty over any of the key GCSE concepts, then you will have a shaky start to the AS course. We will be giving you a test the same week you start lessons in September. Knowing you have a test will give you some incentive to revise over the summer holidays (see Summer Holiday Work below). You can download a practice test from this web page:

[https://padlet.com/shschemistry/6thFormChemistry\\_GettingStarted](https://padlet.com/shschemistry/6thFormChemistry_GettingStarted) and click “Practice Test”. The answers are also downloadable from the same page.

### Summer Holiday Work

Your summer holiday work (allow at least 6 hours in total) can be downloaded from this webpage:

[https://padlet.com/shschemistry/6thFormChemistry\\_GettingStarted](https://padlet.com/shschemistry/6thFormChemistry_GettingStarted)

Click on the On-line Baseline assessment and complete this audit of your current level of understanding, your teachers will have access to your results to help us start to personalise your learning in September. This audit is best completed in plenty of time to allow you to do the next section of required summer work. Depending upon your score for the baseline assessment, click on and download either the ‘Brushing up on chemistry’ or the Extending your chemistry’ PDF document.

The document itself is a mixture of revision notes and a few short questions at the end of each page. Write or type your responses to the questions remembering to write a subtitle for each set of answers (e.g. “Answers to writing and balancing equations”). Bring your written or printed answers to your first chemistry lesson in September.

Can't wait to see you in September!

## COMPUTER SCIENCE

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Independent research, reading and programming skills are integral to the OCR A-Level. To prepare effectively for this course you will need to complete the following:

### Task 1

EvilKnight Games want you to create a simple text-based game. The idea of the game is that a great knight has to explore a dungeon and find the princess. The princess has been captured by an evil goblin, the 'boss'. The game should have a command-line interface. Your game should do the following:

1. Allow the player to enter the name of their knight
2. Generate random health for the character
  - a. They should have between 50 and 100 health
3. Create a maze for the knight to explore
4. Place special objects around the maze
  - a. These may be power ups, which help the knight
  - b. These may be traps, which harm the knight
  - c. There must be one 'boss'
5. Allow the knight to move around the maze
6. Develop a way for the knight to kill the boss, freeing the princess
7. Allow the player to 'Save' and 'Load' their progress

NOTE: Students who have studied GCSE CS are required to complete **all** tasks in any language they prefer. Students who have not studied at GCSE are expected to complete **up to and including task 5** and should download and use Python 3. There are a huge range of online help guides and materials to introduce you to programming such as [snakify.org](http://snakify.org). All students should have a working file with them on the first day.

### Task 2

Students should read the following paper on Computational Thinking by Janette Wing.

<https://goo.gl/3aEKRe>

Once read, you are to write 500 words and what you think computational thinking is and how it is used within Computer Science. There is no right or wrong answer in this context, just your own opinions.

### Task 3

**Unity Engine & C#** –We specialise in creating games using the Unity 3D engine with C#. We recommend downloading this engine (it is free) and start working through the tutorials in their website to familiarise yourself with the environment. Whilst you are not required to use this, it is a strong foundation for the project you will be starting in Y12, whatever path you choose.

### Reading List

You will be provided with a textbook during this course however the vast majority of students purchase their own.

The textbook can be found here –

*OCR AS and A Level Computer Science* by P M Heathcote, R S U Heathcote <http://amzn.eu/7Jr4g1l>

There are additional books you can obtain which will support your studies.

📖 **BCS Glossary of Computing and ICT (13th Edition)** by Arnold Burdett et al. (ISBN 978-1780171500):

Written by BCS, The Chartered Institute for IT, this book is specifically designed to support those taking computer courses or courses where computers are used. **Highly recommended.**

## **DRAMA & THEATRE STUDIES**

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To prepare effectively for the course, you could:

Go and see a piece of live theatre over the summer. Stretch yourself further by preparing a 'live theatre review' of the show, either as a presentation to give to the class in September or a piece of writing. Consider what was effective about the acting/set design/ lighting/ costumes/ makeup and why. In addition, reading of a range of play texts is also useful.

You will also find it useful to discover what you can about the specific approaches to theatre which characterise the work of such practitioners as:

- Constantin Stanislavski
- Bertolt Brecht
- Steven Berkoff
- Frantic Assembly

(or another of your choice) in preparation for further exploration in September.

## **DT – 3D PRODUCT DESIGN – RESISTANT MATERIALS AND GRAPHICS PRODUCTS**

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This work is required.

You are required to design and make a lighting product.

### Specification

- The lighting product must be no bigger than an A4 sheet cubed.
- You should use biomimicry as your starting point for the design.
- You can make your product from a material or materials of your choice, including creative use of recycled materials.
- The product must be battery powered if using LEDs.
- The product could include a nightlight instead of LEDs.
- The product could be designed for indoor or outdoor use.
- You can decide on the target market for your product.
- You must use any equipment safely – if you borrow any tools or equipment you must make sure you are supervised appropriately.

You will need to bring your product to the first lesson and be prepared to evaluate the outcome and discuss the design rationale of yours, and others', work. We will be as interested in your design process as the final outcome.

Your creativity as a product designer should not be hindered by limited or no access to tools and equipment, and spending money on materials will not necessarily ensure the best outcome! For example you could make use of thin plastic sheet or even paper and use folds and slots to construct a product, or make interesting joints using wire or string. You could rework an existing product into something new. You will find lots of interesting products on the market to inspire you. Explore forms and shapes found in nature to get started.

Good luck!

## ECONOMICS

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To prepare for the AS Economics course please complete the following tasks before your first lesson in September 2012:

- Read through the syllabus on the OCR website: H061 Economics: [www.ocr.org.uk/qualifications/type/gce/blt/economics](http://www.ocr.org.uk/qualifications/type/gce/blt/economics)
- Read a quality newspaper at least twice per week. Pay particular attention to the economic events.

Prepare a 500 word summary of one economic news story and bring it to your first lesson.

## ENGLISH LITERATURE

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To prepare effectively for the course you will need to read the following essential materials:

In order to prepare all students for study at A level we would expect students to have read:

‘Lord of the Flies’ as an example twentieth century fiction

And be familiar with the most of the literary terms in this glossary:

<https://www.english.cam.ac.uk/classroom/terms.htm>

To prepare effectively for the course you will need to read the following essential materials:

- **Poems of the Decade: An Anthology of the Forward Books of Poetry ISBN 9780571 325405**
- **Streetcar Named Desire – Tennessee Williams**

You may also wish to purchase and read these texts which help support your studies:

- **52 Ways of Looking At A Poem** by Ruth Padel (This gives an excellent introduction to the issues surrounding contemporary poetry)
- **Mastering English Literature** by Richard Gill (A useful guide to close study of poetry and other genres)
- **Cambridge Guide to Tennessee Williams**
- **Strong Words: Modern Poets on Modern Poetry**, editors W.N. Herbert and Matthew Hollis, Bloodaxe, 2000

Research and explore:

- Forward Arts Foundation [www.forwardartsfoundation.org](http://www.forwardartsfoundation.org)
- The Poetry Archive is the largest online collection of recordings by poets – contemporary and historic – reading their own work. Its mission is to help make poetry accessible, relevant and enjoyable to a wide audience. Many poets in the archive introduce their poems before reading them, often providing a valuable insight as to their meaning – for the poet – and how they came to be written. It features the following poets from *Poems of the Decade*:

- |                   |                     |                    |
|-------------------|---------------------|--------------------|
| • Simon Armitage  | • U.A. Fanthorpe    | • Sinéad Morrissey |
| • John Burnside   | • Vicki Feaver      | • Andrew Motion    |
| • Ciaran Carson   | • Leontia Flynn     | • Daljit Nagra     |
| • Julia Copus     | • Seamus Heaney     | • Sean O’Brien     |
| • Carol Ann Duffy | • Alan Jenkins      | • Ruth Padel       |
| • Ian Duhig       | • Robert Minhinnick | • George Szirtes   |
| • Helen Dunmore   |                     |                    |

Wider Reading: read quality fiction but here are a few starting points:

- **The Bloody Chamber** by Angela Carter
- **The Collector** by John Fowles
- **No Country for Old Men** by Cormac McCarthy
- **The God of Small Things** by Arundhati Roy
- **The Road** by Cormac McCarthy
- **The White Tiger** by Aravind Adiga
- **Enduring Love** by Ian McEwan
- **The English Patient** by Michael Ondaatje
- **Bring Up The Bodies** by Hilary Mantel

## EPQ

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Students wishing to take an EPQ in year 12 are required to sign up and complete the FutureLearn online course starting on the 14 August 2017 entitled 'How to Succeed in Your EPQ: the Nuts and Bolts of Completing Your Project' with Bath University. This is a short course designed to help students prepare for the EPQ qualification. The duration of the course is 3 hours per week for 3 weeks and should be completed before the start of term. Note that students only need to complete the 'free' course and not the 'upgrade'.

<https://www.futurelearn.com/courses/epq-success>

## FRENCH

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We're really happy that you are taking French for A Level.

It's a subject which will be interesting and useful not only for academic and employment reasons but also for travel and making new friends.

To make sure you have the best start possible in Year 12, here is what you should be doing over the summer.

It's important to learn by heart the key verbs in the basic tenses and also to get into good habits of wider reading and listening in the language. And, even better, we want you to have fun whilst doing this!

### Grammar

Please learn the following verbs in the **present, imperfect, perfect, conditional, simple future** and **near future tenses**. You may want to buy a verb table to help you with this.

Avoir	Pouvoir	Partir	Savoir
Aller	Devoir	Manger	Dire
Faire	Vouloir	Voir	Croire
Etre	Sortir	Se réveiller	Utiliser

Useful grammar websites:

Languages Online: [www.languagesonline.org.uk](http://www.languagesonline.org.uk)

Tex's French Grammar: <https://www.laits.utexas.edu/tex/>

## Listening

Brainpop videos: [www.brainpop.fr](http://www.brainpop.fr) - Choose a subject and watch some videos – put the subtitles (sous titres) on! Then try the quiz afterwards to test your comprehension

Lyrics Training: <http://lyricstraining.com/> - Click French in the top right hand corner. Listen to a French song and try to type in the missing words accurately! Start easy and maybe try some harder levels!

French Radio: <http://www.listenlive.eu/france.html> - Have the French radio open in the background when you are doing other things to get used to the intonation etc. Kiss and NRJ are aimed at younger people.

Films – watch a few films in French with subtitles (English or French). Get used to hearing the language. You can borrow some from MFL dept or HMV have cheap ones in world cinema section.

Music: Youtube is great for finding French music ‘musique française 2017’ will bring up playlists of latest music in the French charts.

## Vocabulary

Memrise: Sign up to [www.memrise.com](http://www.memrise.com) – click on courses and find some AS/A level French activities to work through.

Online dictionary: [www.wordreference.com](http://www.wordreference.com) is a good resource for individual words

## Reading

Follow **@shsfrenchdept** on Twitter and have a browse through some of the retweeted articles. Start by reading the titles and make a note of any new vocabulary! Find one or two that really interest you and make a summary in English (or French!).

Les inrocks: [www.lesinrocks.com](http://www.lesinrocks.com) – Young person’s cultural magazine online (a bit like NME). Cinema, fashion, music, politics... find a few articles to read and note down any new vocabulary.

Euronews: <http://fr.euronews.com/> - articles and videos to watch/read. Note any new vocabulary.

## Resources for A Level

Please bring a pad of paper, folder and dividers.

You will want to buy a French dictionary for personal use.

You may also wish to buy a verb table or a grammar book.

There is a good grammar booklet (*Elan A Level*) which is available to purchase on [amazon.co.uk](http://amazon.co.uk).

*Mot à mot* is a good vocabulary book with some essay phrases etc.

You may also wish to have a separate vocab/grammar notes book For the purpose of this course, we recommend that you obtain a copy of the following:

(*Elan A Level*) which is available to purchase on [amazon.co.uk](http://amazon.co.uk).

*Mot à mot* is a good vocabulary book with some essay phrases etc.

You may also wish to have a separate vocab/grammar notes book.

## **GEOGRAPHY**

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You will begin your course by studying the topic of '**Hazards**', which includes; **Volcanoes, Earthquakes, Tsunami's, Fire and Storm Hazards.**

We would like you to complete the task below and you are expected to bring it into your first lesson at SHS. You will present this to the class and it will be assessed by your teacher.

### **What is your task?**

Research the news to find evidence of one issue relating to Geographical Hazards. It can be linked to any aspect of the course and can be at a local, national or global scale. Try to use an example from this year.

You can find the course specification on the AQA website for further details or use the following link: <http://filestore.aqa.org.uk/resources/geography/specifications/AQA-7037-SP-2016-V1-0.PDF>

You should be able to discuss what your news article is about and how it is connected to Geography, specifically with regards to which part of the syllabus that we will be studying. Consider the Cause, Social, Economic and Environmental Effects of this hazard and why you consider it to be important in today's world.

### **How should you present your ideas?**

Preferably you will present this as a powerpoint or prezi, however if you wish you can use another method such as a video or produced by hand. Whichever way you choose, you must ensure that it a)works and b)is to a high standard – you are beginning your A Levels remember!

## GERMAN

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**For the purpose of this course, we highly recommend that you purchase the following:**

A good German to English Dictionary (Collins or similar)  
A German verb table book  
Wort für Wort

**You must do the following:**

1. Revise the following tenses; the present, perfect, imperfect, future and conditional: using a range of common verbs; e.g. haben/ sein/ machen/ sehen/ wissen/ werden/ fernsehen/ sich waschen/ sich anziehen/ the modal verbs; dürfen/ können/ mögen/ müssen/ sollen/ wollen.

You will be tested on these verbs within the first few days of your Y12 course.

**It is advised that you do the following:**

2. Research areas of German history and culture that interest you. Films/books/Internet etc
3. Revise GCSE vocab on [www.linguascope.com](http://www.linguascope.com) and grammar on [www.languagesonline.org.uk](http://www.languagesonline.org.uk).

SHS library has books for learners of German which will help reinforce basics ready for AS. Book them out before the summer.

See Marling or SHS German teachers for magazines or books too.

Suggested sites:

[www.linguascope.com](http://www.linguascope.com)

[www.languagesonline.org.uk](http://www.languagesonline.org.uk).

[www.euronews.com](http://www.euronews.com)

[www.bbc.co.uk/languages](http://www.bbc.co.uk/languages)

# HISTORY

## 'Expected' and 'Recommended' work for History students - Year 11 into Year 12

	Expected	Recommended
<p><b>Unit 1 (Pitt to Peel)</b></p>	<p>1). To come to first lesson with a folder, included in which will be the required work below:</p> <p>a). To have researched and printed off a copy of the syllabus from the OCR website on the course content to be covered</p> <p>b). To have brought in a map of the United Kingdom with the Major Cities from the start of the period of 1793 (or nearest to be found) and from the end of the period 1853 (or again nearest to be found)</p> <p>c). To bring in a map of 1853 with the counties of England on it.</p> <p>d). To have read or watched one of the novels (or subsequent TV adaptations) from the reading list provided.</p>	<p>Read / watch some of the following in order to build up your wider contextual knowledge about the period 1783-1853 in Britain:</p> <p><b>Novels</b>            Charles Dickens            The Posthumous Papers of the Pickwick Club (Monthly serial, April 1836 to November 1837)[126]            The Adventures of Oliver Twist (Monthly serial in Bentley's Miscellany, February 1837 to April 1839)            The Life and Adventures of Nicholas Nickleby (Monthly serial, April 1838 to October 1839)            The Old Curiosity Shop (Weekly serial in Master Humphrey's Clock, 25 April 1840, to 6 February 1841)            Barnaby Rudge: A Tale of the Riots of 'Eighty (Weekly serial in Master Humphrey's Clock, 13 February 1841, to 27 November 1841)            The Christmas books:            A Christmas Carol (1843)            The Chimes (1844)            The Cricket on the Hearth (1845)            The Battle of Life (1846)            The Haunted Man and the Ghost's Bargain (1848)            The Life and Adventures of Martin Chuzzlewit (Monthly serial, January 1843 to July 1844)            Dombey and Son (Monthly serial, October 1846 to April 1848)</p> <p><b>C.S.Forester</b>            Hornblower series.</p> <p><b>Bernard Cornwell</b>            Sharpe series</p> <p><b>Non-Fiction</b>            Friedrich Engels – The conditions of the Working Class in England (1845)            Karl Marx &amp; Friedrich Engle's – The Communist Manifesto (1848)            Thomas Paine – The Rights of Man (1791)            Peter Mathias – The First Industrial Nation (1969)            E H Carr – What is History? (1961)</p>

	Expected	Recommended
<b>Unit 2 (America)</b>	<p>1). A separate file just for Unit 2.</p> <p>2). Colour dividers.</p> <p>3). Evidence of your own research into American history within this period (1803-1890.)</p> <p>4). A large map of the United States (state names on it &amp; state capitals marked on it.)</p> <p>5). Copy of the course content – make sure you know what you need to know! (This is available on page 58 of the ‘OCR A-Level Specification’ document page 58 and can be found on the SHS padlet – ‘Key Stage 5 menu’ page.)</p> <p>6). A copy of the OCR Guide to Units 1, 2 and 3 pages 14-22. This will help you understand how you are assessed and what OCR are looking for in terms of high quality answers. (This is available on the SHS padlet – ‘Key Stage 5 menu’ page.)</p>	<p>1). A fact file on the Revolutionary War (i.e. the American War of Independence, 1776-1783).</p> <p>2). A fact file on the life of George Washington.</p> <p>3). Revise the states of the USA, the year they joined the union and the names/locations of the major rivers and mountain ranges in the USA.</p> <p>4). Find out the date/year for each event listed on the ‘USA 1803-1890 key events’ sheet. Create a ‘flash card’ for each one, using revision cards. Write the date/year on one side and the event / details about the event on the reverse side of the revision card. Repeat for every event.</p> <p>5). Read the following:  (i). <i>Uncle Tom’s Cabin</i> by Harriet Beecher Stowe.  (ii). <i>Bury My Heart at Wounded Knee</i> by Dee Brown.  (iii). <i>The American West</i> by Dee Brown.  (iv). <i>The Earth is Weeping</i> by Peter Cozzens.</p> <p>6). Watch the following feature films/documentaries:  (i). ‘Gone with the Wind.’  (ii). ‘Cold Mountain.’  (iii). ‘Lincoln’.  (iv). ‘The West’ by Ken Burns (Netflix)  (v). ‘The American Civil War’ by Ken Burns.</p>

## MATHEMATICS AND FURTHER MATHEMATICS

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Students studying Mathematics and Further Mathematics are expected to have a good knowledge of higher GCSE Mathematics:

### REQUIRED PREPARATION

On your induction day you will be issued with a “Summer Prep Work” booklet containing work to be completed over the summer. It is to be done on paper and marked, ready to bring to your first maths lesson in September when it will be collected by your teacher. Those topics will be tested in a lesson during the first two weeks of the course. A copy of the booklet can be found at:

[https://padlet.com/shs\\_maths/transition\\_and\\_support](https://padlet.com/shs_maths/transition_and_support)

### RECOMMENDED PREPARATION

To support you in your studies over the summer you should also:

- Work through the ‘GCSE booster 8 and 9’ section on mymaths: [www.mymaths.co.uk](http://www.mymaths.co.uk) (Login: stroud, Password: compass)
- Consider purchasing, and working through books that helps to bridge the gap between GCSE and A level. There are many such books available. We recommend the Alpha Workbook entitled “Preparation for AS and A level” and the CGP book “Head Start to A Level Maths”.
- Re-visit your higher GCSE revision guide, focussing particularly on key algebraic techniques.
- Other recommended sources of support can be found on the transition page [https://padlet.com/shs\\_maths/transition\\_and\\_support](https://padlet.com/shs_maths/transition_and_support)

## MUSIC

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TO DO	✓
1. Read the Eduqas A level specification.	
2. Research what a symphony is?	
3. Listen to Haydn’s London Symphony	
4. Make sure that you can read BASS clef.	
5. Revise your key signatures	
6. Revise Primary and secondary chords	
7. Prepare a grade 5 solo to perform	

### Notation

Please note that it is a basic expectation that students will be able to fluently read both **treble** and **bass** clef notation, plus have an understanding of the **alto clef**. To prepare effectively for studying Music you will need to revise the following **key concepts**. You will sit a test at the start of the course.

- Intervals both major and minor
- Major and minor key signatures up to **four** sharps and flats
- Relative major and minor keys
- Primary and secondary chords
- Inversions of chords
- Dominant 7<sup>th</sup> chord
- Cadences

**Suggested sites:** [www.musictheory.net](http://www.musictheory.net)  
[www.good-ear.com](http://www.good-ear.com)

## MUSIC TECHNOLOGY

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Not applicable.

## PHILOSOPHY, ETHICS & BELIEF

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### Ethics

The following websites provide a general introduction to ethical issues, the debates surrounding them as well as offering a good range of ideas:

- [www.tutor2u.net/blog/index.php/religious-studies](http://www.tutor2u.net/blog/index.php/religious-studies)
- [www.bbc.co.uk/ethics](http://www.bbc.co.uk/ethics)

**To prepare effectively** for the course you will need to read the following essential materials:

- [www.bbc.co.uk/ethics/introduction/intro\\_1.shtml](http://www.bbc.co.uk/ethics/introduction/intro_1.shtml)
- <http://beta.tutor2u.net/religious-studies/blog/utilitarianism>

The following core texts are recommended for Year 12 ethics and are available in the school library but you may prefer to obtain your own copies:

- **AS Religious Studies** by Sarah Tyler and Gordon Reid
- **Ethical Studies** (2nd ed) by Robert Bowie
- **The Puzzle of Ethics** by Peter Vardy and Paul Grosch

### Buddhism

The following websites will help you to prepare for this unit and give you a general introduction to the topic:

<http://a2buddhism.blogspot.co.uk/>

<https://philosvids.wordpress.com/> - Search Videos on Buddhism

<http://www.bbc.co.uk/religion/religions/buddhism/>

**To prepare effectively** for the course you will need to read around some (at least 3) or all of the above topic areas. You can find some suggested materials here:

[https://getrevising.co.uk/revision-notes/ocr\\_as\\_buddhism\\_notes](https://getrevising.co.uk/revision-notes/ocr_as_buddhism_notes)

<http://www.samyeling.org/buddhism-and-meditation/>

Key texts for Buddhism are recommended for Year 12:

**Buddhism** by Dominique Side

[https://www.amazon.co.uk/Buddhism-World-Religions-Dominique-Side/dp/1844892190/ref=asap\\_bc?ie=UTF8](https://www.amazon.co.uk/Buddhism-World-Religions-Dominique-Side/dp/1844892190/ref=asap_bc?ie=UTF8)

**Buddhism: A students Approach to World Religion** by Denise Cush

<https://www.amazon.co.uk/Buddhism-Students-Approach-Religion-Religions/dp/0340546913>

**Teach Yourself 101 Key Ideas: Buddhism** by Mel Thompson

<http://www.mel-thompson.co.uk/buddhist%20books.htm>

### Philosophy

The following websites provide a general introduction to philosophical issues, the debates surrounding them as well as offering a good range of ideas:

- <http://thatswebsite.blogspot.co.uk/p/arguments-for-and-against-existence-of.html>
- <http://www.reonline.org.uk/knowning/what-re/philosophy/>

To prepare effectively for the course you will need to read the following essential materials:

- [www.philosophyofreligion.info/theistic-proofs/the-argument-from-miracles](http://www.philosophyofreligion.info/theistic-proofs/the-argument-from-miracles)
- [www.philosophyofreligion.info/theistic-proofs/the-teleological-argument](http://www.philosophyofreligion.info/theistic-proofs/the-teleological-argument)

The following core texts are recommended for Year 12 Philosophy and are available in the school libraries but you may prefer to obtain your own copies. You should focus on relevant sections on Miracles, The Problem of Evil and Suffering, The Design and Cosmological Arguments.

**Philosophy of Religion for A Level Second Edition** by Anne Jordan and Neil Lockyer

**Edexcel Religious Studies for AS** by Richard Gray and Peter Cole

**AS Religious Studies** by Sarah Tyler and Gordon Reid

**The Puzzle of God** by Peter Vardy

**Teach Yourself Philosophy of Religion** by Mel Tompson

## PHYSICAL EDUCATION

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As preparation before you commence your AS and A Level Physical Education studies it is advised that you undertake the following:

- Be a member of an out of school club in at least one sporting activity. You should be training and competing regularly. Perhaps you can also offer to coach at your local youth team/club in your first choice activity.
- Visit the Physical Education pages of the AQA website and familiarize yourself with the support materials available – all relevant information can be found under [www.aqa.org.uk](http://www.aqa.org.uk).
- On the AQA website subject area for PE look at the coursework requirement for AS and A level PE. In this aspect you are required to perform a critical analysis of a live practical performance in your chosen activity. There are no exemplars at present.
- You must also collect as much VIDEO evidence of your one practical activity as possible throughout the summer and over the course of the year – AS particularly focusing on ATTACKING skills in major games. Within your sport you will be expected to perform in a whole game/full performance situation for assessment. Mr Bailey will be asking for evidence of this – it is best edited to USB.
- Finally, on the AQA website visit the following links:
- For details of the AS Level:  
<http://www.aqa.org.uk/subjects/physical-education/as-and-a-level/physical-education-7581>
- For details of the A Level:  
<http://www.aqa.org.uk/subjects/physical-education/as-and-a-level/physical-education-7582>
- On these pages you will find details of the assessment protocol and criteria for all practical activities at AS and A Level. Firstly make sure that the sport that you take part in is contained within this document. If it is not then you must notify Mrs Fletcher/Mr Bailey first thing in September and we will submit a request to AQA to have your sport considered for assessment.

When you have found your sport in this guidance booklet, print the pages relevant to you and familiarize yourself with the assessment requirements and procedure. If you offer a number of **strong** practical performances across a number of sports then print out the relevant documentation for each of them from this document.

Highly recommended: Undertake some fitness training specific to your sport this summer.

### Further preparation

- Immerse yourself in the sport that is available on television and in the newspapers. There will be new items, documentaries and programmes on some of sports wider issues as well as high class live sport. Perhaps you could take a journal in your first choice activity.

- Highly recommended films to watch are “Friday Night Lights”, “Any Given Sunday” and “Million Dollar Arm” – they support some of the work that you will be doing in the case study on culture as part of **Socio-Cultural Studies**.
- Use the Internet to research the implications of Obesity in **Anatomy and Physiology**. Research YouTube clips which illustrate operant conditioning as well as searching on Google – hint use the term “Skinner Theory”.
- Carry out Internet searches on social learning theory – associating your search with the name ‘Bandura’ might help you to find more.

Having watched these clips and then done some reading try and weigh up which method would be most effective for you to learn best.

## PHYSICS

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In preparation for your course, you should go onto the website below:

[https://padlet.com/shs\\_6form/Summer\\_Work\\_and\\_Transition\\_Materials](https://padlet.com/shs_6form/Summer_Work_and_Transition_Materials)

You will need to do the Equations and data worksheet, complete a baseline assessment and then complete the tasks that are relevant to your baseline score.

## POLITICS & GOVERNMENT

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To prepare effectively for A level Politics and Government, we would like you to do the following tasks over the summer:

### Task 1 : Learning key terms

LINK: [http://news.bbc.co.uk/1/hi/uk\\_politics/vote\\_2005/basics/4346975.stm](http://news.bbc.co.uk/1/hi/uk_politics/vote_2005/basics/4346975.stm)

Use the website to write definitions for the following key terms:

📄 **Budget:**

📄 **By- election:**

📄 **Cabinet:**

📄 **Coalition (you will need to update the definition given on the website):**

📄 **Constituency:**

📄 **Deposit:**

📄 **Devolution:**

📄 **First-by-the-post:**

📄 **Hung Parliament:**

📄 **Landslide:**

📄 **Manifesto:**

📄 **MP Member of Parliament:**

📄 **Opposition:**

☐ **Proportional representation:**

☐ **Queens speech:**

☐ **Referendum:**

☐ **Speaker:**

☐ **West Lothian Question:**

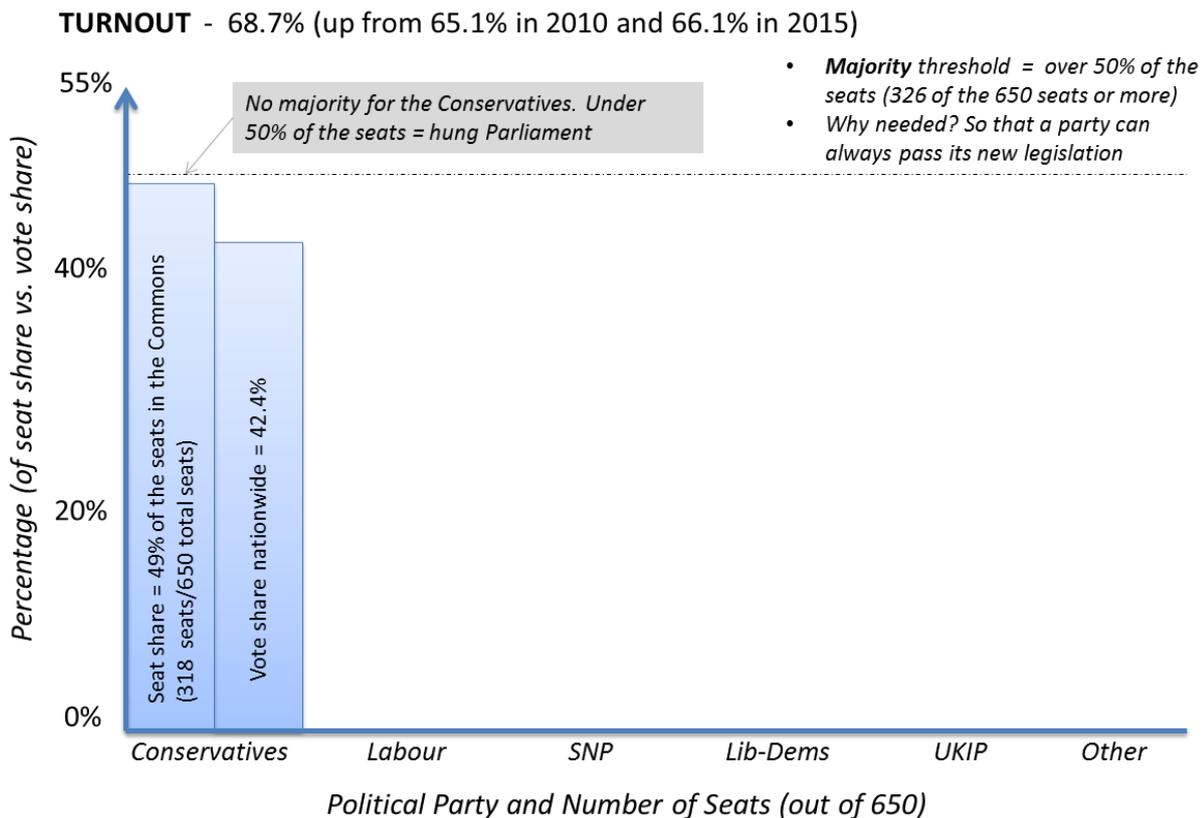
☐ **Westminster:**

## Task 2: 2017 General Election results

LINK: <http://www.bbc.co.uk/news/election/2017/results>

**A) NATIONAL RESULTS:** Read the election results and then complete the bar chart below: put the results of each major UK party on to the bar chart (plot both a 'seat share' and 'vote share' bar for each party – e.g. 'Conservative vote share = 42.4% of all votes; Con seat share = 318 seats won/650 [total MPs in the Commons] \* 100 = 49%). The UK uses the First Past the Post election system. We will compare this system to others later in the year.

Take just two pieces of data from the table on the BBC website: voter share and seat share.



☐ **Vote share** means the number of people that physically placed a cross next to a ballot paper for a particular party in the election.

☐ **Seat share** means how many seats (out of a total of 650) has been won by that party in Parliament. Every constituency (local area) returns one of the 650 MPs sitting in the Commons. Each constituency can only have one winner.

**B) LOCAL RESULTS** – In the 'find a constituency' box type in your local area:

☑ Who is your local MP?

☑ What is their party?

☑ What percentage of the vote did they win?

### **Task 3: Confidence and supply with the DUP**

Theresa May's lack of a Parliamentary majority has meant that she has had to top up her 318 seats by working with the DUP. The DUP has 10 seats, allowing the government to have over half the total 650 seats in the House of Commons. This means that if all the other parties gang up against Theresa May then they still can't vote down her legislation. May is not in a formal coalition. Instead she has entered in to a 'confidence and supply' arrangement. Read the following article <https://www.theguardian.com/politics/2017/jun/11/confidence-and-supply-what-does-it-mean-and-how-will-it-work-for-the-new-government>

*Explain what a confidence and supply arrangement means below:*

## **PSYCHOLOGY**

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### **Task**

In order to gain a better understanding of the field of Psychology read The British Psychological Society's Research Digest Blog. <http://digest.bps.org.uk/>

It is updated daily and summarises the latest psychological research being carried out. Choose 2 pieces of research from different days of the holidays and print them out. For each write out the aim, method, results and conclusion (some guidance for this is included below). What the aim, method, results and conclusion are may not be stated explicitly and you will need to infer some of this information. In addition write one or two sentences to explain why this piece of research interests you. Bring this work to your first lesson.

**AIM** – What did the researcher want to find out? What question did they want to answer?

**METHOD** – What did they do to find out their answer? What things did they change? What did they measure?

**RESULTS** – What results did they collect and record?

**CONCLUSION** – From looking at their results, what is the answer to the question they asked themselves?

### **Text Books**

Throughout the course you will have access to an online textbook the details of which are given here

[www.illuminate.digital/aqapsych1](http://www.illuminate.digital/aqapsych1)

Student username: SMARLINGGL5

Student password: STUDENT

We also have some hard copies of the book that we use in class but we do not have enough for students to take these away. You may find it useful to purchase your own book particularly if you do not like reading text on a computer screen.

[http://illuminatepublishing.com/index.php?main\\_page=product\\_info&cPath=25&products\\_id=63](http://illuminatepublishing.com/index.php?main_page=product_info&cPath=25&products_id=63)

AQA Psychology for A Level Year 1 & AS - Student, Cara Flanagan, Dave Berry, Matt Jarvis, Rob Liddle, ISBN: 978-1-908682-40-6

# SOCIOLOGY

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## Year 1 A Level Sociology topics:

AQA Families and Households    AQA Education and Research Methods

## Year 2 A Level Sociology topics:

AQA Beliefs    AQA Crime and Deviance    AQA Theories and Methods

To prepare effectively for Sociology, it is **strongly suggested** you obtain copies of:

**AQA A Level Sociology Book One Including AS Level** (2015) by Webb, Westergaard, Trobe and Townend (Napier Press ISBN 0954007913)

**AQA A Level Sociology Book Two** (2016) by Webb, Westergaard, Trobe and Townend (Napier Press ISBN 0954007921)

## Required equipment:

- Large A4 ring binder x 2
- A4 plastic punched pockets
- Lined paper and stationary

## Background reading and extension work – please look at some of the following over the summer:

- It is essential that you keep up to date with current affairs that relate to the units covered (Families and Education). The following *online newspapers* are recommended:

[www.guardian.co.uk](http://www.guardian.co.uk)    [www.telegraph.co.uk](http://www.telegraph.co.uk)    [www.independent.co.uk](http://www.independent.co.uk)    [www.bbc.co.uk/news](http://www.bbc.co.uk/news)

- Through the school library you have online access to the *Sociology Review* journal. Topics are aimed at students studying A Level Sociology with relevant articles and exam technique guidance: Go to the library padlet page for the link and login details:  
[http://padlet.com/shs\\_library/Online\\_Resources](http://padlet.com/shs_library/Online_Resources)

- *Books to get you thinking* – available from SHS library and to reserve at local libraries:

*'Gang Leader for a Day'* by Sudhir Venkatesh

*'Everyday Sexism'* by Laura Bates

*'Toxic Childhood'* by Sue Palmer

*'Half the sky'* by Nicholas D. Kristof and Sheryl WuDunn

*'On the run: fugitive life in an American City'* by Alice Goffman

- *Documentaries:*

There are some programmes that support our topics. The following may still be available online either on BBC iPlayer, 4OD, Netflix or YouTube:

*The men who made us spend*

*Genius of the Modern World - Marx*

*Murdered by my boyfriend*

*Blurred Lines – the new battle of the sexes*

*The House I Live In*

- *Twitter and Facebook*



I tweet relevant sociology articles and links from **@SHSsociology** please follow

**Contact:**

Please email any questions or concerns you have to: **llakin@stroudhigh.gloucs.sch.uk**

For further materials, look at the website link [https://padlet.com/sociology\\_shs/SociologyMenu](https://padlet.com/sociology_shs/SociologyMenu)

## **SPANISH**

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Please refer to the website below for documents relating to summer work.

[https://padlet.com/shs\\_spanish/KS5year11into12transitionmaterials](https://padlet.com/shs_spanish/KS5year11into12transitionmaterials)

### **Essential work**

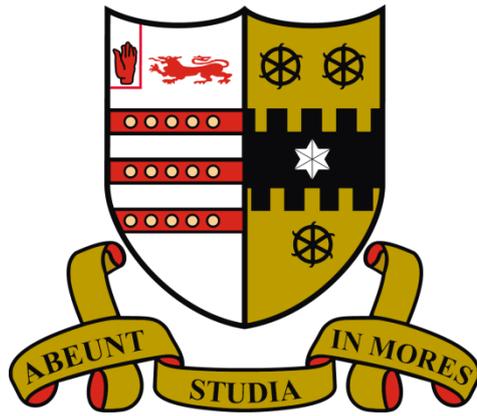
- Please download a copy of the '**Bridging the Gap Booklet**' and complete to the best of your ability by the end of September. Individual targets will be set, to focus your learning and to iron out any weaknesses (if any)!
- Download the BBC Mundo app onto your phone
- Download onto your phone an online Spanish dictionary e.g. word reference

### **Suggested work**

- Go and get some Spanish films out of the library or online! Watch with the Spanish subtitles if necessary!
- There are loads of graded Spanish readers with CDs in the library – Mrs Jones can direct you to the relevant shelves
- Keep up to date with the news; [www.euronews.net](http://www.euronews.net) is an excellent site because you can watch the same news in Spanish and English and download a transcript
- Continue to use Linguascope username - stroudhigh password - languages3 and other websites such as [www.aboutspanish.com](http://www.aboutspanish.com), [www.studyspanish.com](http://www.studyspanish.com) and [www.languagesonline.org.uk](http://www.languagesonline.org.uk)
- Finally, if you can, get yourself over to a Spanish speaking country and immerse yourself in the culture! Think of all that wonderful food, siestas, places to visit and things to see! Don't forget the friendly people too!
- Stay in touch with your Spanish exchange partner if you have one!

### **You can find details of the Spanish A-level specification**

<http://www.aqa.org.uk/subjects/languages/as-and-a-level/spanish-7691/introduction>



shs |

[www.marling.gloucs.sch.uk](http://www.marling.gloucs.sch.uk)  
[www.stroudhigh.gloucs.sch.uk](http://www.stroudhigh.gloucs.sch.uk)