

Applied Science

Introduction work for Level 3 extended certificate in Applied Science

Task 1: Taking learning to a new level of DETAIL

Using the Cornell note taking system, the Cellsalive website and your own research, make some organised notes on animal, plant and bacterial cell ultrastructure.

The Cornell Note taking system:

<http://coe.jmu.edu/learningtoolbox/cornellnotes.html>

Note-taking ability will be discussed and feedback given during the introduction lessons at the start of the course.

<http://www.cellsalive.com/>

This website contains information about cell ultrastructure. Find pictures of and explain the function of the following cell organelles:

Nucleus (and nucleolus), smooth endoplasmic reticulum (SER), rough endoplasmic reticulum (RER), mitochondria, vesicles, lysosomes, Golgi apparatus, chloroplasts, vacuoles, cell walls, ribosomes (70S and 80S), flagella, nucleoid, plasmids, mesosomes, pili, slime capsules

Task 2: Bonding

Write an essay on ionic and covalent compounds. This should be at between 500-1000 words, detailing how they form a bond, examples of compounds for both (including diagrams) and properties.

This work will be expected by their science teacher and is to be handed in during their first lesson in September.

Mrs K Morris
Leader of Applied Science
kmorris@sackvilleschool.org.uk

Art

Dear student

We want to have a great start to the first Year 12 project by setting you some drawing tasks. In order to make the best start to your course here is a **brief** for you to complete before you start the course.

The first theme we will work with is 'Exploring Objects'.

Wherever you go over the summer, take an A4 sketchpad with you and try and do as much drawing as you can. As staff, we try to do at least one drawing a day!

'Exploring Objects' could mean a closer look at your personal possessions, things belonging to people who are close to you, the inside of the cutlery drawer, the contents of your bag, shoes, clutter, or neat museum-like arrangements of objects. You could choose man-made or natural objects, exploring the differences between these things.

Use whichever materials you enjoy, aiming for a variety rather than always working in pencil. You could experiment with drawing on coloured or textured papers. Work right up to the edges of the page; try working both fast (ten minute sketches) and more slowly. Charcoal, pastel, inks, oil pastel, biro, watercolours and collage all work well.

We are interested in your drawings from the direct experience of seeing the objects, and do not at this point want to see drawings from phones or photos.

Bring your five best drawings with you for discussion during the first lesson in Y12.

In addition, try to go to at least one big exhibition, picking up leaflets and postcards as well as making quick drawings. More information at the Time Out page below:

<http://www.timeout.com/london/art/top-10-art-exhibitions-in-London>

Students will be expected to purchase two A3 workbooks during the course, at a cost of approximately £9 each. Canvasses are also strongly advised for final pieces; these can be purchased from Hobbycraft and online. There is no need to purchase anything for the course over the summer except perhaps a few useful art materials.

Have a creative summer and we look forward to seeing you in September.

Mr P Andrews
Curriculum Leader for Art
pandrews@sackvilleschool.org.uk

Biology

Exam board OCR

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

Task 1: Download and/or print off a copy of the syllabus

Read through the syllabus making a note of where you have studied subjects at GCSE and how much there is of the course to study

Task 2: Reading around the subject

This area is often overlooked and is extremely useful for gaining a synoptic understanding of the course and preparing for university interviews (they are a way off but this is a good start!). It's also really interesting!

Read a biology book or magazine and be prepared to give a synopsis and an opinion in the first lesson. Some suggestions are:

1. 'Bad Science' Ben Goldacre
2. 'The selfish gene' Richard Dawkins
3. 'A short story of nearly everything' Bill Bryson
4. A copy of BBC Wildlife or New Scientist

Task 3: Why do you want to do A Level Biology

You will be asked this as well on your first lesson, so have a think about your motivation for taking this excellent A Level

Mrs Stromfield

Leader of Biology

jstromfield@sackvilleschool.org.uk

BTEC Health and Social Care (HSC)

BTEC HSC involves a lot of practical work.

Task 1: Find out what holiday clubs run in your area for children ages 2 – 11 years. Investigate what hours they run and what service they offer. What activities do they run? How much does it cost? Do you think they offer a good service? Why is it good?

Task 2: If possible, try to spend a morning or a day helping out or volunteering at a nursery or pre-school. Look at how the children are cared for. What qualities do you need to work with young children? Think about how you talk to and communicate with young children.

Please note: you could equally do this observation with a different age range – either in an old people's home or school for disabled people.

Make a note of your observations and be prepared to share them with the group at the beginning of next term.

Mrs Valentine

Head of Health and Social Care

hvalentine@sackvilleschool.org.uk

Business Studies

Research Task:

You are to track a business throughout the summer finding out information on them and writing up a report covering most, if not all, of the following aspects of the businesses:

Operations

- What is their field of operation?
- What are their main products?
- Where is their head office?
- When and how did the company start?
- What is the legal structure? sole trader? partnership? franchise? limited company? etc.
- Who are its main shareholders (if any)?
- What is its mission statement?
- Who are their main competitors?

The Business -Look at and describe the key features of the business

Finance -Can you find some financial information about the company?

Human Resources Management

- What sort of people work for the firm?
- By how much has their workforce grown over recent years?
- How are their employees motivated?

Marketing

- What products does the company sell?
- What is their brand positioning?
- Can you find some information about a recent marketing campaign?

To help with this task you **could** select a company from the website: <http://businesscasestudies.co.uk/#axzz48RTFqsR2>. Alternatively, you can select a **company of your choice** and research as much of the information outlined above as you can.

Do not feel your report needs to cover **all** of the points above. How well you write the report and its balance is equally important. Other sources of information are the BBC, quality newspapers such as the FT, Independent and Guardian, and numerous other business journals.

For Business Studies, a useful guide to buy would be:

https://www.pearsonschoolsandcolleges.co.uk/FEAndVocational/BusinessandEconomics/AlevelAppliedAlevel/EdexcelAlevelBusiness/ISBN/Revision/REVISEEdexcelAlevelBusinessRevisionGuideWorkbook_9781292213217.aspx

Useful websites are:

www.tutor2u.net and www.businessed.co.uk

Mrs Fleming

Curriculum Leader of Business, Law and Economics

jfleming@sackvilleschool.org.uk

Chemistry

We are glad that you have chosen to take on the satisfying challenge that is A-level Chemistry.

We have prepared a google classroom that you need to join in order to access useful resources. To join the classroom, go to the school website and go to students then click on google apps. Click on google classroom and join the classroom using the code **53xh33d**.

If for some reason you cannot join the google classroom, then use the following link to access the transition resources.

<https://drive.google.com/open?id=0B-W5Ym6eSX9OaEtFSmszalA3NHM>

There is a list of skills that will help you succeed at the course. You need to look over the transition resources in the transition skills folder and complete all of the tasks and mark them. This task is the first thing you will see on the classroom stream when you join. When you have finished, then mark your own work using the answers provided in the google folder.

Enjoy the rest of your long hot summer and I'm looking forward to meeting you for the next chapter in your life!

Mr Langford
Leader of Chemistry
flangford@sackvilleschool.org.uk

Drama and Theatre

We are really pleased that you have decided to take Drama and Theatre and know that you will enjoy this fantastic course.

As a Drama student, you will be introduced to the work of a range of theatre practitioners and collaborate to create a scripted and devised performances using their techniques. You will also study two set plays and write about your interpretation of these from the point of view of director, designer and actor, as well as critically review live performances that you will see and study through the course.

All students will need a personal copy of their set text which they will annotate during lessons. You will need to purchase the book for your own personal use and must ensure that they get the edition specified:

The Glass Menagerie by Tennessee Williams (**Penguin Books**) ISBN: 978-0141190266. £6.95 (new) on Amazon
(Please feel free to contact me if you need support with funding this)

Preparation tasks for summer 2019:

1. Read the plays ***Pygmalion*** and ***The Importance of Being Earnest*** (both can be found in full online). You must be ready to discuss which sections you think are most significant to the plays as a whole i.e. pivotal to plot, characters or themes.
2. Read **one** of the following texts by, or about Stanislavski: ***An Actor Prepares***, ***Building a Character***, ***Creating a Role***, or ***Stanislavski: An Introduction*** by Jean Benedetti. These can all be purchased cheaply from Amazon or we have some copies that you can borrow.

3. Read the play of ***The Glass Menagerie*** including the introduction. Highlight key information in the introduction.
4. Watch as much live or recorded theatre as possible and try to look with a critical eye at how the productions have been put together.

Mrs A Beasley
Curriculum Leader of Drama
abeasley@sackvilleschool.org.uk

BTEC National Performing Arts

We are really pleased that you have decided to take Performing Arts in the Sixth form and know that you will enjoy this fantastic course.

As a Performing Arts student, you will take part in full scale performances each year and will be expected to produce an accompanying written logbook for each assignment. You will also write an extended essay set by the exam board in May. You will explore a range of theatre practitioners and styles across the course.

Preparation tasks for summer 2019:

1. Read **one** of the following texts by or about Stanislavski: *An Actor Prepares*, *Building a Character*, *Creating a Role* or *Stanislavski: An Introduction* by Jean Benedetti. These can all be purchased cheaply from Amazon or we have some copies that you can borrow.
2. Research **two** theatrical styles of your choice from this list: Physical Theatre, Epic Theatre, Documentary/Verbatim Theatre, Naturalism, Musical Theatre or Absurdism. Prepare a fact sheet (one A3 or two sides of A4) on each style which includes the following information: a description of the style, intentions for the audience, key features of this style, techniques used, actor/audience relationship, example of practitioners, directors or companies who work in this style, examples of plays or productions in this style. You will hand these factsheets to your teacher in your first lesson.
3. Work through the BTEC Skills worksheets which can be accessed through the VLE.
4. Watch as much live or recorded theatre as possible and try to look with a critical eye at how the productions have been put together as well as the different styles of acting used.

Mrs A Beasley
Curriculum Leader of Drama and Dance
abeasley@sackvilleschool.org.uk

Computer Science

Thank you for choosing to study Computer Science, I am sure you will really benefit from the course as we move into a world where technology seems to drive everything.

The course is a combination of practical programming and problems solving alongside some extensive theory based around computing principles such as hardware/software, exchanging data, data types and structures alongside legal, ethical and moral issues surrounding computing.

We have an extensive range of YouTube videos to follow on the [Craig N Dave](#) channel which cover all parts of the course, I would advise you watch the first couple of clips to familiarise yourself with the course content.

For the programming side of things, it is advisable to undertake some practice before you begin the course (even if you have done GCSE Computing), although we teach you everything from scratch it would be good for you to pick up some of the syntax. We are likely to use either Visual Basic or Python high level languages in September so either one of these websites would be good to look at:

<http://www.visual-basic-tutorials.com/>

<https://www.codecademy.com/register>

Try to aim for around 10 hour's preparation over the summer period looking at both theory and programming practice.

I look forward to seeing you in September!

Mrs Nixon
CTL Computing and Forest Schools
knixon@sackvilleschool.org.uk

Economics

Read up on all business stories in the news and keep up to date with all issues affecting the economy over the summer. Certainly look at the business and economy sections of the BBC news website to familiarise yourself with current events. Also, work through the following:

- Explore Tutor2u (Economics section), lots of great resources/videos. Look at Geoff Riley's reading list on this site, pick one book and read in depth
- Go to the Financial Times (FT) website link below and look at some the stories related to the course content. You can subscribe to the FT for free, speak to Mr de Souza about this. <https://www.ft.com/content/826a890e-8f08-11e7-a352-e46f43c5825d?emailId=5afc68215c5dad00042d752f>
- Start watching Newsnight/listening to Today programme Radio 4
- Collect 5 news stories over the summer and be ready to talk about them
- Consider the answer to this question - ***What is the economic impact of Brexit on you and your family?***

A recommendation for summer reading would be "The Balti Bailout" by Hugh Pym

A useful guide to buy would be:

<https://www.cgpbooks.co.uk/secondary-books/as-and-a-level/economics>

Useful websites are:

www.tutor2u.net, www.bized.co.uk

Mrs J Fleming

Curriculum Leader of Business Studies, Economics and Law

jfleming@sackvilleschool.org.uk

English Language

Dear student

I am writing to give you some important information concerning your English Language course. Having chosen to study Language at A level I know that you have a love of language and are looking forward to exploring new ideas and theories of language in the new academic year. In order to make the most of your course there is some **reading** that will help you and a **short task (below)** for you to complete before you start the course.

Compulsory text - you will need to have your own copy of the text book for the course:

OCR A level English Language: Student Book ISBN 978-0-19-835277-8

Recommended reads:

- This first book is **compulsory** as it will support your grammar knowledge which is a key component in doing well at A level:
David Crystal, *Discover Grammar*
(**ISBN-10:** 0582294355, **ISBN-13:** 978-0582294356).
- This second text will give you an excellent overview of the 'story' of English Language:
David Crystal, *How Language Works: How Babies Babble, Words Change Meaning and Languages Live or Die*
(**ISBN-10:** 0141015527, **ISBN-13:** 978-0141015521).

Both books will be available from school. However, you may choose to purchase your own copies prior to the course.

Those who want to secure the highest grades will purchase both, but copies are also available in the library.

I hope that you have a great summer and the English Department at Sackville looks forward to welcoming you to the stimulating and enjoyable A level Language course in September.

Happy reading!

English Language – Pre course task

Introduction

Studying the English Language at A level is very different from its study at GCSE. There are some similarities, but you will find many completely new approaches and ideas. This work on collecting texts is meant to show you how diverse the study of language is.

Task 1 – Choose a speech

(Perhaps a political speech or one made to commemorate a particular occasion.)

Find out and make a note of the following: the intended audience, the purpose of the speech, and the context. How does the speaker show their power through their words? Annotate the speech for: the persuasive/rhetorical techniques used and try to write up about 500 words on: the above annotations and comment on how effective you think it is and why.

Task 2 - Make yourself a "Language Scrapbook" Choose yourself a broad subject e.g. Food, University Life, Music Find 10- 15 different texts which are connected with your topic (a text could be a piece of writing, a poster, a picture with words on it, a text message – anything that allows you to look at language) Annotate the texts for how they use language in interesting ways; think about audience, purpose, genre, layout, contexts, grammar, lexis (vocabulary).....the list goes on! Be ready to share your collections.

Please complete both tasks, as they will allow you to begin to develop your understanding and interest in what you will begin to look at next academic year.

Oh, and when you have finished these tasks, take the rest of the day off!

Mrs Stuart

Curriculum Leader of English

rstuart@sackvilleschool.org.uk

English Literature

Dear student

I am writing to give you some important information concerning your English Literature course. Having chosen to study Literature at A level I know that you have a love of literature and are looking forward to exploring new authors, ideas and techniques in the new academic year. In order to make the most of your course there is some reading that will help you. Here is a list of recommended novels that will give you a firm foundation in literature. Choose whichever you please, **but reading 1984 is a requirement**. You could also explore the poetry of writers in the list that follows

George Orwell, **1984**, Penguin Modern Classics (**set text**)

Kazuo Ishiguro, **Never Let Me Go**, any edition

Chimamanda Ngozi Adichie, **Half of a Yellow Sun**, any edition

Aldous Huxley, **Brave New World**, any edition

Khaled Hosseini, **The Kite Runner**, any edition

Ian McKewan, **Enduring Love**, any edition

Sebastian Faulks, **Birdsong**, any edition

Charles Dickens, **Great Expectations**, any edition

Tennessee Williams, **A Streetcar Named Desire**, Penguin Modern Classics (**set text**)

You will be studying some texts from a collection of authors including George Orwell, Margaret Atwood, Tennessee Williams (**A Streetcar Named Desire – set text**), Christina Rossetti (**OCR Collection of Poems – set text**), Carol Ann Duffy (**The World's Wife**), Sylvia Plath, Oscar Wilde, Henrik Ibsen, John Webster, William Shakespeare (**Hamlet – set text**), Simon Armitage, and John Keats.

You study Shakespeare in both year 12 and 13 and there will be a Stratford trip in Y12 (November) which is an overnight excursion. Approximate cost is £120 including overnight accommodation, trips to Shakespeare sites and a theatre performance at the Royal Shakespeare Company – so start saving now! It's a great event every year.

Have a great summer and the English Department looks forward to welcoming you to the stimulating and enjoyable A level Literature course in September.

Mrs Stuart
Curriculum Leader of English
rstuart@sackvilleschool.org.uk

Film Studies

Dear film students,

Over the summer holidays, we would like you to watch some films. I don't mean all the summer blockbusters - although by all means do that too - I mean OLD films. Have you seen 'Jaws', or '2001: A Space Odyssey' or 'Psycho'? No? Then there's three already to watch. **Have you read any books on film?** No? How about 'Adventures in the Screen Trade' by William Goldman? **Or try reading some film-related magazines:** Empire, Total Film or Film Review to see how people write about film in an academic way. This will get you used to the language used when discussing film.

How do we deconstruct and analyse film texts at A'level? Watch this short video essay to find out: <https://www.youtube.com/watch?v=vTt0izejSJw>

The best film student will be the one who is **genuinely** interested in the subject from a practical point of view as well as an academic and historical one. **This is not film club...this is a serious academic approach to an important art form.**

Enjoy your summer...enjoy your films.

Mr Scarfe
Curriculum Leader of Film & Media
gscarfe1@mysackville.co.uk

Geography (Physical)

The number in brackets is the approximate minimum number of lines you should write.

1. How do the following increase the rate of coastal recession?

- human activity (8)
- tides (8)
- storms (8)
- seasons (8)
- fetch (8)

2. North Norfolk coast (UK):

How do the following influence erosion?

- geology (8)
- weathering (8)
- mass movement (8)
- sea level rise (8)

What are the impacts of coastal erosion on this stretch of coastline? (15)

3. Bangladesh:

Why is it at particular risk of coastal flooding? (15)

What were the impacts of a specific coastal flood event in Bangladesh? (15)

Human Geography summer research work

Our first large topic of the term will be Globalisation.

Watch these videos to prepare:

Globalisation: Crash Course In World History:

<https://www.youtube.com/watch?v=5SnR-e0S6Ic>

Globalisation: Good or Bad: https://www.youtube.com/watch?v=s_iwrt7D50A

Read these articles:

Guardian – The True Cost of Globalisation:

<http://www.theguardian.com/commentisfree/2012/jan/29/observer-editorial-global-capitalism-bad>

Buzzle - Positive Effects of Globalisation:

<http://www.buzzle.com/articles/positive-effects-of-globalization.html>

Task: Write your thoughts on whether you think globalisation has mostly been good or bad for the world. (This should be around a page in length and should be based on the videos and the articles, plus further reading and watching that you find).

Task: Create a case study A3 poster about a TNC. Include information on:

- how the company became global
- how it adapts to the different countries it operates in
- where it manufactures, designs and sells its products
- the positive and negative economic and social impacts of the TNC
- the positive and negative environmental impacts of the TNC

Mr M Johnson
Curriculum Leader of Geography
mjohnson@sackvilleschool.org.uk

History

A level history course consists of two units in Year 12. The two units will involve studying:

- **Britain transformed, 1918-1997**
- **The USA, 1955-1992: conformity and challenge**

To help prepare you for the course some background reading and research will be of great use.

We would also like you to research and write no more than 250 words on each of the following:

- What was the General Strike of 1926 and why did it happen?
- How was the NHS created and what was its impact?
- What was the the 'Butler Act' of 1944 and what was its significance?
- What was the impact of Margaret Thatcher's governments on Britain?
- What were the main changes in the presidencies of a) Kennedy and b) Johnson?

Please bring your research to your first lesson in September

Look out for documentaries on these topics and any relevant films. With all that you read and watch remember to cast a critical eye over it.

Laura McLeod
Curriculum Leader of History
lmcleod@sackvilleschool.org.uk

Law

Read up on legal stories in the news and keep up to date with all issues affecting our legal system over the summer.

Task 1: The hierarchy of the courts in England and Wales

Using textbooks or the internet, investigate the different courts in both the civil and criminal legal systems in England and Wales and produce a written report covering the following points.

- What happens in each court?
- Who starts the case?
- Who is involved in the trial?
- Who decides the outcome?
- What kinds of sentences or remedies are passed?
- What are possible routes for appeal?

Task 2: Visit a court

You are allowed to visit the public galleries in most courts – you can choose from Magistrates, Crown Court (Lewes/Guildford) or the Court of Appeal and Supreme Court in London.

- Describe the layout of the court.
- What is the case about?
- What is the role of the solicitors and barristers?
- What does the judge do?

For Law, a useful guide to buy would be:

WJEC/Eduqas A level Law Book1 Sara Davies, Karen Phillips, Louisa Draper-Walters. ISBN 978-1-911208-45-7

https://www.illuminatepublishing.com/index.php?main_page=product_info&products_id=168

Useful websites are:

<http://www.tutor2u.net>,

<http://www.e-lawresources.co.uk/>

Mrs Fleming

Curriculum Leader of Business, Law and Economics

jfleming@sackvilleschool.org.uk

Maths

The maths department is committed that you make good progress throughout your A level. The biggest hindrance to the transition from GCSE is usually lack of confidence and mastery of algebra. An induction day was held on **Tuesday 25th June** and you would have been given a booklet. The aim of the booklet is to provide you with the groundwork on which you can build your skills before you embark on the course.

It is **vitaly important** that you spend some time working through the questions in this booklet over the summer - you will need to have a good knowledge of these topics **before** you commence your course in September. You should have met all the topics before at GCSE. You do not necessarily have to do every question, but enough to ensure you understand the topic thoroughly.

We will test you at the start of September to check how well you understand these topics, so it is important that you have looked at all the booklet before then. If you do not pass this test you will be demonstrating that you are not suitable for the course.

We hope that you will use the summer holiday work to give you a good start to your A Level work and that it will help you enjoy and benefit from the course more.

If you did not attend the induction day on **Tuesday 25th June** then please come in to collect the work from Mr Rahim ASAP.

Mr Rahim
Curriculum Leader of Mathematics
srahim@sackvilleschool.org.uk

Media Studies

Dear students,

Over the summer holidays, we would like you to watch the following 3 clips on YouTube explaining some of the Media Theories we will be studying in Year 12:

<https://www.youtube.com/watch?v=2BocPq36Z4M>
https://www.youtube.com/watch?v=aopqPs7rb_Q
<https://www.youtube.com/watch?v=csGHExeP3uA>

You should make brief notes while watching these clips and bring them with you to your first media studies lesson.

Use the summer to widen your media consumption...you're going to need a broad knowledge bank of media texts for this course. If you just watch 'The Flash' try a foreign language drama 'The Bridge'. If you never read a newspaper...pick one up and read it. Ever listened to **Radio 4?** There is a weekly **Media Show**...why not try listening now? There's a whole new world out there waiting...

Enjoy your summer!

Mr Scarfe
Curriculum Leader of Media Studies
gscarfe1@mysackville.co.uk

Music Technology

Please choose a song that you would like to record, be realistic in this choice as you will not be able to record heavy thrash metal. Adult Orientated Rock (AOR) or Singer Songwriter styles work best for the assignment; also, avoid recording drums in your first year we'll cover this in year 2.

Please bring with you a CD or MP3 of the song to your first lesson along with a plan of how you are to record this to include players and the instruments/vocalists required.

Please ensure that you are able to read both Bass and Treble clefs to at least a basic level and use the internet to help you to research. Here is a link to a site which can assist - <http://www.teoria.com/exercises/read.htm>

You will also need some basic keyboard skills. Whilst not compulsory I would strongly recommend that you either obtain piano/keyboard lessons privately or you can have lessons here at school with the West Sussex Music Service. You will need to search the internet for "West Sussex Music Service group lessons" or you can see me for an application form.

Finally you will be using headphones a great deal whilst on this course. Again, whilst not compulsory, many students find it advantageous if they bring their own. A good set of headphones will last you a long time and be a useful asset. Some good makes are AKG D100 Beyerdynamic or Audio Technica M40s.

Mr Heatley
Curriculum Leader of Music
theatley@sackvilleschool.org.uk

Photography

In order to make the best start to your course here is a **short task** for you to complete.

Take 36 colour photos using film or digital, outside in good natural light conditions using the best available camera. Experiment with unusual angles, shapes, form, light, composition, shadow, line and perspective; basing your choice of subject around the theme of:

Light Shadow Urban Landscape

We would encourage you to look at the work of famous photographers who you think reflect these themes in their work. Use this inspiration to help you compose your own shots. The best way to see photographs is always to go to an exhibition, e.g. <http://www.timeout.com/london/art/top-10-photography-exhibitions-in-london>

Get your 36 images printed (approx. size 6"x4") ready to bring with you to your first lesson in September. A good place to get photos printed is Photobox or other online services.

To start your course in September, you will need access to a **working 35mm Digital SLR (Single Lens Reflex) camera**. If you are investing in one, we would recommend Canon EOS as a reliable brand. It is also desirable to have a traditional SLR camera for when working with film and darkroom. If you are purchasing one second hand, you are strongly advised to get it serviced. There will be a Y12 course cost of **£112** which enables students to access specialist ink flow systems and printing paper, dark room materials, A3 work books and colour photo copying. Letters will be sent home with more details about this.

Have a creative summer. We look forward to discussing what you have produced in the first lesson back in September.

Mr Andrews
Curriculum Leader for Art
pandrews@sackvilleschool.org.uk

Physical Education

Ensure you **watch important sporting events** or at least the highlights (Olympics, Wimbledon) and begin to think about elite performers and the preparation that goes in to such events - have there been any major incidents such as **drug scandals, political issues?**

- Research the history of Lawn Tennis, Athletics and Association Football
- Research how we learn skills using either cognitive theory, conditioning theory or observational theory
- Learn all major muscles and bones in the body

We follow the AQA syllabus and use the AQA endorsed textbooks from Hodder Education

Mr Currie
Mrs Richard
Joint Curriculum Leaders of P.E
acurrie@sackvilleschool.org.uk
richards@sackvilleschool.org.uk

Physics

Please complete the following tasking in order to help you prepare for A Level Physics. You **must** bring them completed to your first Physics lesson in September.

1. Complete the following definitions:

Term	Definition
Scalar	
Vector	
SI Unit	
Prefix	
Uncertainty	
Absolute Uncertainty	
Systematic Error	
Random Error	
Zero Error	

2. Find the symbols, units and unit symbols of the following quantities:

Quantity	Symbol	Unit	Unit symbol
Distance			
Time			
Current			
Potential Difference			
Resistance			
Speed			
Velocity			
Acceleration			
Frequency			
Wavelength			
Mass			
Force			
Energy			
Charge			
Power			

3. In physics we use prefixes and standard form. Complete the table below of prefixes and stand form factors - one has been completed for you:

Prefix name	Prefix symbol	Standard form factor
peta		
tera		
giga		
mega		
kilo	k	$\times 10^3$
milli		
micro		
nano		
Pico		
femto		

4. Rearrange the following equations:

1.	$v^2 - u^2 = 2as$	$s =$
2.	$v^2 - u^2 = 2as$	$v =$
3.	$s = ut + \frac{1}{2}at^2$	$a =$
4.	$s = ut + \frac{1}{2}at^2$	$u =$
5.	$I = nAqv$	$v =$
6.	$T = 2\pi\sqrt{l/g}$	$g =$
7.	$QV = \frac{1}{2}mv^2$	$v =$
8.	$F = 6\pi\eta rv$	$\eta =$
9.	$n\lambda = d\sin\theta$	$\theta =$
10.	$V = \frac{4}{3}\pi r^3$	$r =$
11.	$A = \pi r^2$	$r =$
12.	$E = Fl/Ae$	$e =$
13.	$L = 4\pi r^2\sigma T^4$	$T =$
14.	$I = P/4\pi r^2$	$r =$
15.	$hc/\lambda = \phi + \frac{1}{2}mv^2_{max}$	$v =$

Mr P Wilcox

Curriculum Leader of Physics

pwilcox@sackvilleschool.org.uk

Politics

We are pleased that you have decided to study Politics and hope that you will enjoy this fantastic course.

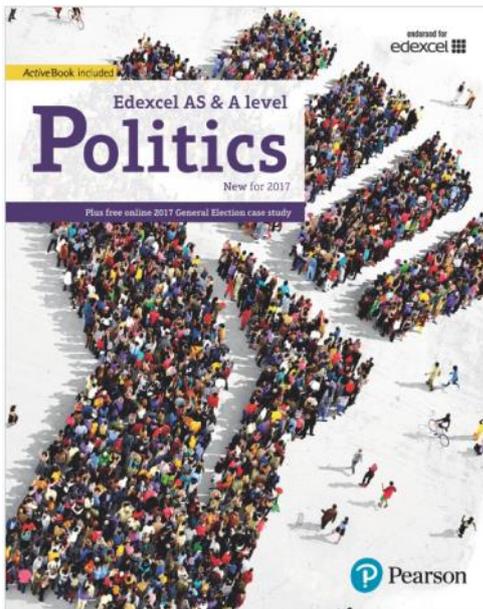
Start watching the news and making use of news websites. The best website to use is www.bbc.co.uk/news/politics. Useful programmes include the Today Show (Radio 4), Newsnight, Question Time, Daily Politics, Andrew Marr Show and Any Questions all of which are available on iplayer. Also, subscribe to the fabulous, award winning *Brexitcast* podcast. When you listen to, or read a story, try to think why people might have different opinions about that issue. Consider what you think about the issue too, and if a political party's view is expressed, decide whether you agree with it or not.

Have a look at the websites of the two main political parties in the UK – The Conservative and Labour parties. Try to find out what they think about a range of policy areas, for example: the economy, law & order, welfare, immigration and Brexit. You could also investigate the Liberal Democrats, UKIP, Greens, SNP and Plaid Cymru.

Find your MP's website by using <http://findyourmp.parliament.uk/> Spend some time reading about the work they do. What does their job involve? What news stories or case studies can you see? What does this tell you about this MP?

Browse the UK Parliament website – www.parliament.uk to get an idea of the way Parliament works and how it conducts its business.

Please purchase the course textbook (shown below). There are some used (cheaper!) copies available on Amazon - ISBN is 9781292187020



Mr S Challis
Head of Politics
schallis@sackvilleschool.org.uk

Product Design – 3D

Student will need research the topics below for the examination unit:

- Students should have knowledge of the Health and Safety at Work Act and how it influences the safe manufacture of products.
- Know the what Control of Substances Hazardous to Health (COSHH) has on the impact of companies and safety precautions that should be taken with relevant materials.
- Safe working practices for the school or college workshop and industrial contexts.
- Safety precautions taken with specific manufacturing processes.
- The concept of risk assessment and its application to given manufacturing processes.
- Find out about these designers and their work: Phillipe Starck, James Dyson, Margaret Calvert, Dieter Rams, Charles and Ray Eames and Marianne Brandt.

Useful website - www.technologystudent.com

Mr K Treen
Curriculum Leader of Design and Technology
ktreen@sackvilleschool.org.uk

Psychology

We are very pleased that you are considering taking Psychology. There are a number of different ways to prepare for the course.

If you are really keen to get ahead, purchase the following text book:

AQA Psychology for A Level Year 1 and AS - Cara Flanagan, Dave Berry, Matt Jarvis and Rob Liddle. ISBN: 9781908682406.

Read the introduction and try some of the exercises on pages 6-13.

You could search YouTube to look up social psychology experiments. Look for **behaviourist psychology experiments** and **cognitive psychology experiments**. This will give you an idea of some of the areas that are covered in the course.

Find out about, and make notes on (about 600 words), long and short term memory. Look up some of the explanations for why we forget.

Research arachnophobia, describing some of its possible causes and treatments, make notes of about 600 words.

Find out and write some notes (about 300 words) about Harlow (1958) and his work with monkeys – there are some good clips on YouTube.

Look forward to seeing you in September.

Ms Bach and Mrs Bush
Curriculum Leader of Psychology
cbach@sackvilleschool.org.uk
mbush@sackvilleschool.org.uk

Religion and Ethics

We are pleased that you have decided to choose Religious Studies and are sure that you will enjoy this fantastic course.

The course textbook is:

OCR Religious Studies A Level Year 1 and AS (ISBN-13: 978-1471866692)

If you are able to purchase a copy before September and begin to look through it that would be an advantage. We will provide copies, however it is very helpful to have your own to be able to annotate it.

Issues to do with religion and ethics are often in the news, so keeping an ear out for those stories would be helpful. There is also a range of useful books and magazines in the Beliefs & Values office that we are happy to lend you for some preparatory reading.

Mr A Morris

Leader of Beliefs & Values

amorris@sackvilleschool.org.uk

Sociology

A level Sociology begins with the unit on families in September and continues with education in the spring term. If you come to C11 I shall happily guide you to some reading. Reading a quality newspaper (e.g. I at 40p) and spotting current issues to do with families and education would speed your learning in September. Enjoy people watching during your holiday and we can use your insights in lessons.

Mrs McFarlane

Curriculum Leader of Sociology

mmcfarlane@sackvilleschool.org.uk

Spanish

Since September 2016 we have been following the new AQA specification A level. These new exams are challenging, exciting and involve the study of film, Spanish idols, culture, gastronomy, history, politics and, in Year 13, literature as well.

The gap between GCSE and A level is great in every subject and this is also true for Spanish. You will have to put in the hours to get your Spanish from GCSE to A level standard in two years. But, by the time you take your A level exam at the end of Year 13, you will be at the point where you could go to Spain and talk to anyone about anything. That is a very exciting prospect and we look forward to getting you there.

In order to achieve an A level grade you can be proud of in Spanish, you will need to start working on your Spanish over the summer holiday and, come September, you will need to be doing at least as much work outside of class as you do in timetabled lessons. That means 5 hours of timetabled lessons and 5 hours of independent work (including homework) per week. You will also have at least one hour per week with the Spanish assistant in small groups.

You will need to be working independently on grammar, vocabulary and reading and listening skills 'little and often' over the summer in order to help bridge the gap between GCSE and A Level in Spanish.

Students hoping to study Spanish in year 12 should email Ms Lloyd (email address below) and I will send you the summer work booklet. I will look to see how much progress you made in these when you come back to school in September.

The course textbook is **Hodder Education AQA A Level Spanish (ISBN: 978 4718 5809 3)**. We ask students to buy copies of these textbooks in September but there is no need to buy them in advance.

We have run a very successful trip to Madrid for the few years in which almost of our year 12 and 13 students have had the opportunity to take part in work experience. This is an invaluable experience and we really hope to be able to run the same trip again next year. More details to follow in September.

Ms J Lloyd
Leader of Spanish MFL
jlloyd@sackvilleschool.org.uk