

# Applied Science

Introduction work for Level 3 extended certificate in Applied Science students 2016

## **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 both 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 (inc. 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**  
**kmorris@sackvilleschool.org.uk**

## Art

Dear student,

Here are some helpful starting points for your Art AS level course. We want to make a great start to the first project and keep the drawing going over the summer. In order to make the best start to your course here is a **short task** for you to complete before you start the course.

**The first theme we will work with is The Elements: Environment**

Wherever you go over the summer, take an A4 sketchpad with you and try and do as much drawing on location as you can.

On location could mean East Court grounds, Ashdown Forest, the coast, urban areas, views from windows of trains and through the door of your tent. Think about the weather and make a few notes around the edge of your page about the location and conditions on that day.

Use whichever materials you are happy with, but try out a variety, rather than always working in pencil. You could even experiment with drawing on colour paper. Work right up to the edges of the page; try working fast and more slowly.

Charcoal, pastel, inks, oil pastel, biro, watercolours, collage all work well.

We are interested in your drawings from the direct experience of being in the place, and do not want to see drawings from phones or photos.

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

In addition, try to go to as many exhibitions as you can, picking up leaflets and postcards as well as making drawings. More information at the Time Out page below:

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

The department also asks for a £20 contribution towards specialist materials. Students will also be expected to purchase two A3 workbooks for coursework and exam which are externally assessed.

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

**Mr P Andrews**  
Curriculum Leader for Art  
[pandrews@sackvilleschool.org.uk](mailto: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 Introduction to maths for biologists**

Students should complete the introduction to maths at A level biology, on the attached pdf document. Graph paper has been scanned in at the back of the document to help with the construction of graphs.

## **Task 2 The finer details of A level biology**

Using the Cornell note taking system, and the Cellsalive website, make some organised notes on both animal and plant cell ultra structure.

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

The Cornell Note taking system. 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 ultra structure.

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

**Mrs Stewart**  
**Leader of Biology**  
**kstewart@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](mailto:hvalentine@sackvilleschool.org.uk)**

## **BTEC Hospitality**

Task: Investigate 3 types of hospitality service in your area.

1 hotel, 1 restaurant, 1 club.

Find out about the services they offer – residential; food; bar; sport;

I want a description in your own words, prices, menus and any other information you can find.

Bring to your first session.

**Mr Treen**  
**Curriculum Leader of Design and Technology.**  
**[ktreen@sackvilleschool.org.uk](mailto:ktreen@sackvilleschool.org.uk)**

# Business Studies

Read up on all Business stories in the news and keep up to date with all issues affecting the economy over the summer.

## Task 1.

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 and production

- What is their field of operation?
- What are their main products?
- What are their main brands?
- 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? What is a 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?

### Strategy and Policy

- What is the company's vision for growth?
- What is their policy on ensuring best quality product?

### 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?

Finally

- Conclude by explaining how well they are likely to do in the near and medium future given their track record to date and the economic circumstances of today.

To help with this task you **could** select a company from the <http://businesscasestudies.co.uk/#axzz48RTFqsR2>. Alternatively you can select a **company of your choice** and try to 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.

### **Task 2 – Enterprise skills & qualities.**

What makes a person enterprising?

What skills are essential for an entrepreneur to be successful?

Are there particular qualities & characteristics that can be identified in entrepreneurs that can be generalised to apply to all budding entrepreneurs?

This activity will help you to research some of the essential characteristics of successful entrepreneurs.

You may choose to investigate some of the following:

- Michael Dell – the founder of the Dell empire
- Ingvar Kamprad – the founder of IKEA
- Simon Cowell
- Ben Cohen & Jerry Greenfield – Ben & Jerry Ice Cream.
- Jeff Bezos – founder of Amazon
- Warren Buffett- Investor & one of the richest men on the planet
- Linda Bennett – Founder of fashion chain LK Bennett
- Alan Sugar
- Deborah Meaden
- Anita Roddick – Body Shop
- James Dyson



- Bill Gates
- Julian Dunkerton - Superdry

**or some entrepreneurs of your own choice.**

**Your task**

- Find out what the term "entrepreneur" means.
- Give a brief biography of at least **two** entrepreneurs & try & identify from your varied research (not just wiki!) the characteristics of successful entrepreneurs. (Make sure you source your materials)
- What are the particular skills & qualities you believe to be essential if a business is to be successful?
- Can entrepreneurial skills & qualities guarantee business success? If not, what other factors may be the key?

You can present your research in a format of your choice – e.g. written report, presentation, video recording etc.

For Business Studies, a useful guides to buy for AS level would be:

Revision Guide to AS and A Level Business  
Available from [www.anforme.com](http://www.anforme.com) 01661 844000

Useful websites are:

**[www.tutor2u.net](http://www.tutor2u.net), [www.businessed.co.uk](http://www.businessed.co.uk)**

**Mrs Fleming**  
**Curriculum Leader of Business, Law and Economics**  
**[jfleming@sackvilleschool.org.uk](mailto:jfleming@sackvilleschool.org.uk)**

## Chemistry

Chemistry is a little difficult to set work for as you won't have any textbooks yet but it would be great if you could join the google classroom for AS Chemistry (use the code 29jvmv). Whilst there, you need to look over the resources to familiarise yourself with a few of the more challenging chemistry topics.

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

**Mrs Webb**  
**Leader of Chemistry**  
**cwebb@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.

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

*A Servant to Two Masters* by Carlo Goldoni (**Bloomsbury Student Edition**)  
ISBN: 978-1408131053

Currently £8.99 new on Amazon. (Please feel free to contact me if you need support with funding this)

### Preparation tasks for Summer 2016:

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 *A Servant to Two Masters* including the introduction. Highlight key information in the introduction.

3. 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 2016:

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**

# 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
- Start watching Newsnight/listening to Today programme R4
- 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 the referendum outcome on you and your family?***

## **My personal recommendation for summer reading would be "The Balti Bailout" by Hugh Pym**

Think about this: If you had the chance to take charge of the Greek economy what would you do and why?

*A useful guide to buy for UNIT 1 would be:*

[Edexcel AS Economics Student Unit Guide: Unit 1 Competitive Markets: How They Work and Why They Fail](#)

**Mark Gavin**

**ISBN: 9780340947456**

Useful websites are:

**tutor2u.net**, [www.bized.co.uk](http://www.bized.co.uk)

**Mrs J Fleming**

**Curriculum Leader of Business Studies, Economics and Law**

[jfleming@sackvilleschool.org.uk](mailto:jfleming@sackvilleschool.org.uk)

The screenshot shows a web browser window displaying the Tutor2u website. The page is titled "Explaining Price Elasticity of Demand" and is categorized as "STUDY NOTES". It includes exam board information (AQA, Edexcel, OCR, IB, Other, Pre-U) and social media sharing options. The main content defines price elasticity of demand as the responsiveness of demand to a change in price. A video player is embedded at the bottom of the page, titled "Price Elasticity of Demand" and "A Level Economics Year 1 (AS) Microeconomics". On the right side, there is a sidebar with a "Subscribe now" button and social media links. The browser's taskbar at the bottom shows several open documents, including "Summer preparatio...docx", "Summer work.xlsx", "4.3 Euro 2016.docx", "4.1.9 Competitiven...docx", and "4.1.8 Exchange rates.docx". The system tray shows the time as 10:24 on 25/05/2016.

## English Language

Dear student

I am writing to give you some important information concerning your English Language AS level 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** (sheet attached) 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 AS and A level:

David Crystal, *Discover Grammar* (**ISBN-10:** 0582294355, **ISBN-13:** 978-0582294356)

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

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)

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 AS Level – Pre course task

### Introduction

Studying the English Language at AS 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](mailto:rstuart@sackvilleschool.org.uk)

## English Literature

Dear student

I am writing to give you some important information concerning your English Literature AS level 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 (set text) (Penguin Modern Classics)  
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 (set text) (Penguin Modern Classics)

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, John Keats; a long list of authors!

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.

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 Literature course in September.  
Happy reading!

**Mrs Stuart**  
**Curriculum Leader of English**  
[rstuart@sackvilleschool.org.uk](mailto:rstuart@sackvilleschool.org.uk)

## **Fashion and Textiles**

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.
- Find out about these designers and their work: Chanel, Dior, Mary Quant, Pierre Cardin, Vivienne Westwood and McQueen.

Mr Treen  
**Curriculum Leader of Design and Technology.**  
[ktreen@sackvilleschool.org.uk](mailto:ktreen@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 magazines: Empire, Total Film or Film Review to see how people write about film in an academic way.

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**  
**gscarfe@sackvilleschool.org.uk**

## Geography (Physical)

Summer research work.

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)

Mr N Robinson

**Curriculum Leader of Geography**

[nrobinson@sackvilleschool.org.uk](mailto:nrobinson@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.

## Law

Read up on all 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 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 Courts 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?

## Task 3. European Law

Write a paragraph on the role of following institutions in the EU. What do they do? How do they get appointed? Where are they based?

- The Commissioners
- The European Parliament
- The Council
- The European Court of Justice.

For Law, a useful guide to buy for AS level would be:

WJEC AS Law Study and Revision Guide **ISBN: 978-1-908682-36-9**

Davies, Phillips, Walters

Available from [www.illuminatepublishing.com](http://www.illuminatepublishing.com)

Useful websites are:

[www.tutor2u.net](http://www.tutor2u.net), [http://www.sixthformlaw.info/02\\_cases/index.htm](http://www.sixthformlaw.info/02_cases/index.htm)

### Mrs Fleming

Curriculum Leader of Business, Law and Economics

[jfleming@sackvilleschool.org.uk](mailto:jfleming@sackvilleschool.org.uk)

## Maths

The maths department is committed that you make good progress throughout you're A level or AS course. The biggest hindrance to the transition from GCSE is usually lack of confidence with number and algebra. An induction day was held on **Tuesday 28th 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 AS work and that it will help you enjoy and benefit from the course more.

If you did not attend the induction day on **Tuesday 28th June** then please come in to collect the work from Mr Rahim ASAP.

**Mr Rahim**  
**Curriculum Leader of Mathematics**  
[srahim@sackvilleschool.org.uk](mailto:srahim@sackvilleschool.org.uk)

## Media studies

Dear students,

Over the summer holidays, we would like you to watch the following 3 clips on youtube:

BASIC CAMERA SHOTS: <http://www.youtube.com/watch?v=fe2PqbUk0bU>  
CAMERA MOVEMENTS: <http://www.youtube.com/watch?v=Z68dMBAAn-k>  
BASIC PHOTOGRAPHY: <http://www.youtube.com/watch?v=EIDOibIXFPw>

For students who studied media studies at GCSE level, these videos will be a revision tool. For students who are new to the subject, 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. If you just watch 'Game of Thrones' try a foreign language drama such as '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**  
[gscarfe@sackvilleschool.org.uk](mailto:gscarfe@sackvilleschool.org.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**

## Music

You will need to think about what you will perform on the course. Speak to your instrumental teacher about a programme that you could be working towards for March next year. It needs to be around a grade IV/V standard and the programme should be around 8 minutes. It should not be beyond your current technique so it is worth avoiding very tricky pieces. It is presumed that you are currently having lessons with an instrumental teacher, if not you will need to find a teacher as soon as possible. If you are having difficulty please do email myself. For those having lessons with the West Sussex music service there is funding available.

You will be studying the following set works:

*J.S. Bach – Brandenburg Concerto no.2 in F, 1<sup>st</sup> movement*  
*Mozart – Concerto for piano & rchestra in d, 1<sup>st</sup> movement*  
*Rossini – Overture to 'La Gazza Ladra' (The Thieving Magpie)*  
*Jelly Roll Morton & His Red Hot Peppers – Original Jelly Roll Blues*  
*Charlie Parker Quintet - Bird of Paradise*  
*Thelonius Monk Quartet - Misterioso*

Make sure you have these recordings and get to know them really well. Put them on your phone or other recording device.

For composing you will create an arrangement of a chosen song. For the first lesson please bring with you a chosen song for arranging with a score or chord chart and also an idea of what instruments you will want to play.

Finally it is well worth investing in this study guide:  
Rhinegold, OCR AS Music Study Guide 6<sup>th</sup> Edition but it's not usually released until September.

This is the correct edition and will be your bible for the course.

Good luck and happy listening

**Mr Heatley**  
**Curriculum Leader of Music**  
**[theatley@sackvilleschool.org.uk](mailto:theatley@sackvilleschool.org.uk)**

## Philosophy

Dear Parent/Carer

Philosophy students will be required to read critically to develop thinking skills and we will be asking students to annotate their books so that they can make the most of this resource and achieve the best they can in this subject. Course books will be provided, however, should you wish to purchase your own copy the set course book is stated below.

AQA AS Philosophy ISBN: 978-1471835353

The book above is available online at Amazon at a cost of £24.99 or can be ordered from a local bookshop. Amazon also offers second hand options which are slightly cheaper.

Read through some of the information on the websites below and watch one of the suggested films as an introduction to epistemology (investigating if and how we can know that we know things).

<http://www.philosophybasics.com/index.html>

Look particularly at Epistemology and Philosophy of Religion

<http://www.philosophyofreligion.info/theistic-proofs/>

<https://filmandphilosophy.com/2011/09/06/epistemology/>

After reading these pages watch the film of either The Matrix and/or Inception and consider how some of the ideas you have read about are demonstrated in these films.

Look forward to seeing you in September.

Miss Yendell and Mr Challis  
Joint Curriculum Leaders of Beliefs and Values  
[dyendell@sackvilleschool.org.uk](mailto:dyendell@sackvilleschool.org.uk)   [schallis@sackvilleschool.org.uk](mailto:schallis@sackvilleschool.org.uk)

# Photography

Dear student,

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**

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 Boots, or you could use Photobox online for digital images.

We would encourage you to look at the work of 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. Time Out link below:

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

To start your course in September, you will need access to a working 35mm Digital SLR (Single Lens Reflex) camera. It is also desirable to have a film SLR camera, though we do loan these out to students. If you are making purchases we would strongly recommend Canon EOS as a reliable brand. There will also be a course cost which enables the student to use specialist ink flow systems, dark room materials, A3 work books and colour photo copying.

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](mailto:pandrews@sackvilleschool.org.uk)

## Physical Education

AS PE is concerned with participation and then leads into elite level sport at A2. 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 incidence such as **drug scandals, political issues**.

Research the history of Lawn Tennis, Athletics and Association Football

Research how we learn skills either using 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](mailto:acurrie@sackvilleschool.org.uk)

[richards@sackvilleschool.org.uk](mailto:richards@sackvilleschool.org.uk)

## A Level Physics Summer Preparation Work

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:

<b><u>Term</u></b>	<b><u>Definition</u></b>
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

<b>Quantity</b>	<b>Symbol</b>	<b>Unit</b>	<b>Unit symbol</b>
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 done for you.

<b>Prefix name</b>	<b>Prefix symbol</b>	<b>Standard form factor</b>
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](mailto:pwilcox@sackvilleschool.org.uk)

## Politics

We are pleased that you have decided to study Government & 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](http://www.bbc.co.uk/news/politics). Useful programmes include the Today Show (Radio 4), Newsnight, Question Time and the Andrew Marr Show, all of which are available on iplayer. 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: i) the economy, ii) crime, iii) benefit payments, iv) immigration, and v) the European Union. 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](http://www.parliament.uk) to get an idea of the way Parliament works and how it conducts its business.

**The textbook for the course** is 'Essentials of UK Politics' (3<sup>rd</sup> Edition) by Andrew Heywood. Copies will be available for use in class, but if you would like to buy your own copy the ISBN is 978-1-137-53074-5.

Mr A Morris and Mr S Challis  
 Teachers of Politics  
[amorris@sackvilleschool.org.uk](mailto:amorris@sackvilleschool.org.uk)      [schallis@sackvilleschool.org.uk](mailto: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: Phillippe Starck, James Dyson, Margaret Calvert, Dieter Rams, Charles and Ray Eames and Marianne Brandt.

Useful websites:

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

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A Design and Technology Site

This site provides a wealth of technology information sheets for pupils and teachers

[Read more...](#)

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**Mr Treen**

**Curriculum Leader of Design and Technology.**

[ktreen@sackvilleschool.org.uk](mailto:ktreen@sackvilleschool.org.uk)

## Psychology

### Summer 2016 Psychology Preparation

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 text book 'AQA Psychology for A Level Year 1 and AS' by Cara Flanagan, Dave Berry, Matt Jarvis and Rob Liddle. ISBN: 9781908682406. Read the introduction and try some of the exercises; 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) on 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](mailto:cbach@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](mailto:mmcfarlane@sackvilleschool.org.uk)**

## **Spanish**

From September 2016 we are following the new specification Spanish A and AS levels. These new exams are challenging, and involve study of film and, in year 13, literature as well.

The gap between GCSE and A level is great in every subject. In languages it is huge. 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, but it will not be easy to get 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 4 hours of timetabled lessons, 1 hour of timetabled study time, 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 enormous gap between GCSE and A Level in Spanish. It is as important to keep

your Spanish up over the summer for those who completed Spanish GCSE in year 11 as for those who did the fast track GCSE in year 9.

Students hoping to study Spanish in year 12 should come and see Miss Lloyd before the end of term to pick up the booklet I have put together to prepare you for the A level course. If you can't come and see me for any reason, you can email [jlloyd@sackvilleschool.org.uk](mailto:jlloyd@sackvilleschool.org.uk) and I will send you an electronic copy. I will expect to see how much progress you made in these in September.

We ran a very successful trip to Madrid last year in which almost all of our year 12 and 13 students took 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.

Miss Lloyd

Leader of Spanish

[jlloyd@sackvilleschool.org.uk](mailto:jlloyd@sackvilleschool.org.uk)