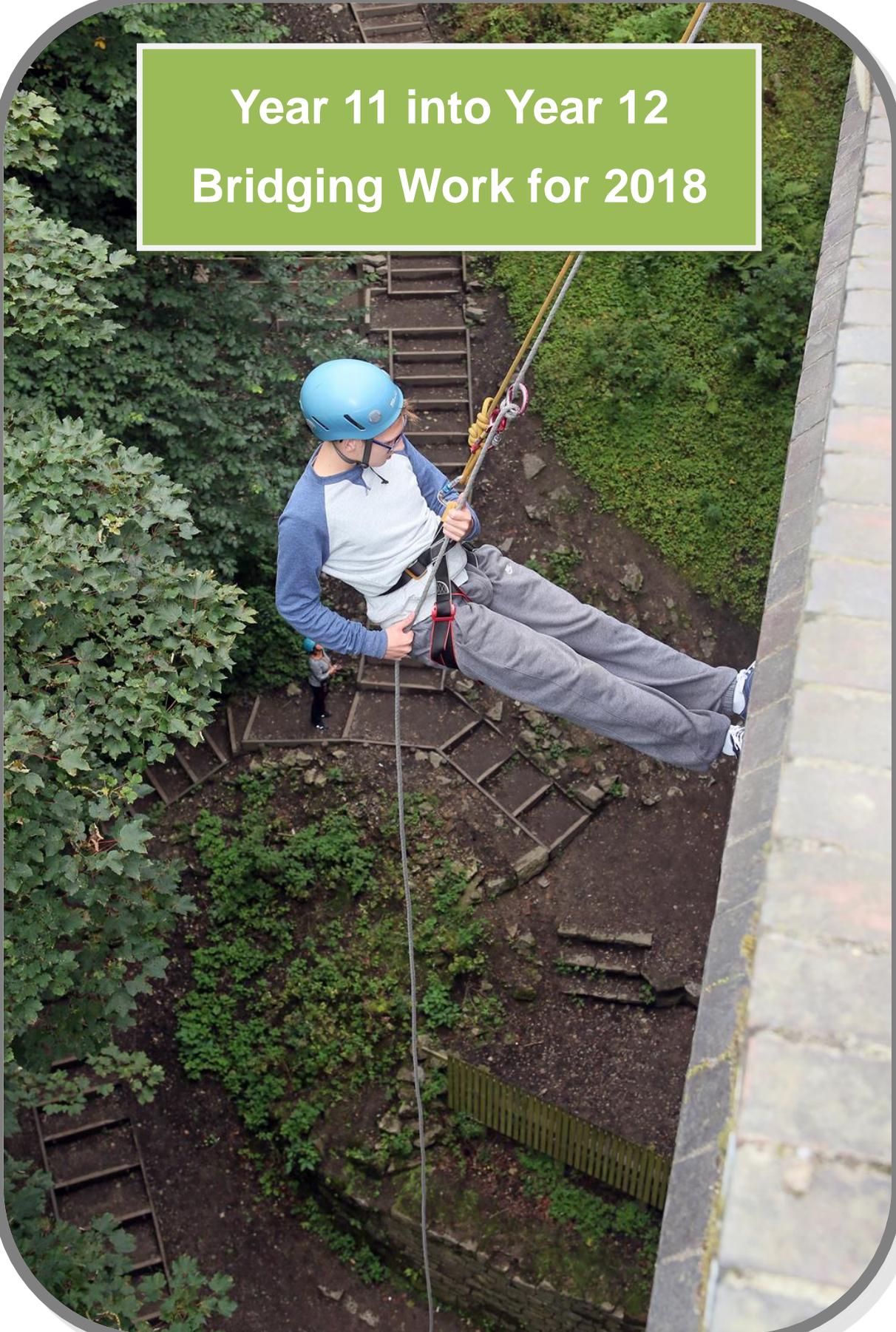


**Year 11 into Year 12
Bridging Work for 2018**



Subjects and Examination Boards

We hope that you will find the information in this booklet useful for the summer. It is designed to provide you with a short introduction to some of the work and topics that you will cover when you arrive at All Saints Sixth Form.

You will find suggested work for the following subjects:

<u>A-LEVEL SUBJECT</u>	<u>EXAMINATION BOARD</u>
Art & Design	AQA
Applied Science, Level 3 Extended Certificate	AQA
Biology	AQA
Business	AQA
Chemistry	AQA
Computer Science	OCR
D & T Product Design	AQA
D & T Fashion and Textiles	AQA
Drama & Theatre Studies	Edexcel
Economics	AQA
English Language	AQA
English Literature	AQA
Food Science and Nutrition Certificate	WJEC
French	AQA
Geography	AQA
Early Modern History	AQA
Modern World History	AQA
Mathematics & Further Mathematics	Edexcel
Music	AQA
Physical Education	AQA
Physics	AQA

Psychology	AQA
Religious Studies	OCR
Sociology	AQA
Spanish	AQA

BTEC SUBJECT

EXAMINATION BOARD

Extended Certificate in Performing Arts (Dance)	Edexcel
Foundation Diploma in Health and Social Care	Edexcel
Extended Diploma in Health and Social Care	Edexcel
Extended Diploma in BTEC Sport & Exercise Science	Edexcel

Staff Contacts per Subject

<u>SUBJECT</u>	<u>LEAD STAFF</u>	<u>CONTACT EMAIL</u>
Art & Design	Miss Garrett	j.garrett@allsaintslearning.co.uk
Applied Science	Mr Davies	s.davies@allsaintslearning.co.uk
Biology	Miss Ellison	e.ellison@allsaintslearning.co.uk
Business	Mr Jarvis	k.jarvis@allsaintslearning.co.uk
Chemistry	Mr So	p.so@allsaintslearning.co.uk
Computer Science	Mr Linfitt	m.linfitt@allsaintslearning.co.uk
D & T Product Design	Mr Greenwood	p.greenwood@allsaintslearning.co.uk
D & T Fashion & Textiles	Mrs Pearson	w.pearson@allsaintslearning.co.uk
Drama & Theatre Studies	Mrs Richardson	n.richardson@allsaintslearning.co.uk
Economics	Mr Jarvis	k.jarvis@allsaintslearning.co.uk
English Language	Mr Caldwell	j.caldwell@allsaintslearning.co.uk
English Literature	Mr Caldwell	j.caldwell@allsaintslearning.co.uk
Food Science & Nutrition	Mrs Hirst	s.hirst@allsaintslearning.co.uk
French	Mrs Bown	k.bown@allsaintslearning.co.uk
Geography	Miss Thomas	j.thomas@allsaintslearning.co.uk
Early Modern History	Miss Halladay	n.halladay@allsaintslearning.co.uk
Modern World History	Mrs Rhodes	e.rhodes@allsaintslearning.co.uk
Mathematics	Mr Plowman	b.plowman@allsaintslearning.co.uk
Music	Mr Elliott	t.elliott@allsaintslearning.co.uk
Physical Education	Mr Young	d.young@allsaintslearning.co.uk
Physics	Mr Ince	c.ince@allsaintslearning.co.uk
Psychology	Ms King	l.king@allsaintslearning.co.uk
Religious Studies	Miss Middleton	h.middleton@allsaintslearning.co.uk
Sociology	Ms King	l.king@allsaintslearning.co.uk
Spanish	Mrs Bown	k.bown@allsaintslearning.co.uk
<u>BTEC SUBJECTS</u>		
Extended Certificate in Performing Arts (Dance)	Miss Ashcroft	r.ashcroft@allsaintslearning.co.uk
Extended Certificate / Diploma in Health and Social Care	Mrs Ludlow	m.ludlow@allsaintslearning.co.uk
Extended Diploma in BTEC Sport & Exercise Science	Mr Morgan	b.morgan@allsaintslearning.co.uk

Art and Design

Art Summer Brief: Investigation into your Personal Interest(s)

This personal project is aimed at helping you to express your personality and your interests as you move into the Sixth Form at All Saints.

Over the summer you will need to produce four artworks (these could be 2D or 3D) based on a theme of your choice, in four different media. To start, think about what excites and motivates you and how you can express this. Your work can be any scale or style, and could also be supported with photographs and / or annotations.

This work will help you to demonstrate your existing skills and will be reviewed in your first weeks of Art. We look forward to seeing what you create.

Successful work could be submitted as part of your portfolio.

The full course specification can be found at:

<http://www.aqa.org.uk/subjects/art-and-design/as-and-a-level/art-and-design>

Useful Websites

www.studentartguide.com

www.pinterest.com

www.artistsinspireartists.com

www.itsnicethat.com

www.artsheffield.org

Applied Science

Over the summer we would like you to research Fracking.

We would like you to research the topic and then use your research to produce an essay, which you will need to bring with you to your first lesson, which covers:

- What is fracking?
- What are the positive points about fracking?
- What are the negative points about fracking?
- What is your opinion on fracking? Why?

You will need to provide a reference page and in your references you will need to evaluate each one, was it helpful or not and why? Is it a reliable source of information and why?

Compare the articles from generalist media against the specialist media information such as briefings and reports from friends of the earth and identify how these approaches and styles are used for different audiences.

Suggested websites:

<http://www.talkfracking.org/resources/>

<https://www.foe.co.uk/page/key-information-fracking-shale-gas>

environmentamerica.org/sites/environment/files/reports/EA_FrackingNumbers_scrn.pdf

drillordrop.com/2015/12/18/fracking-by-numbers-figures-from-the-new-oil-and-gas-licenses/

www.frack-off.org.uk/resources

Biology

In preparation for Biology, students need to review the following areas during the summer.

Cells

Enzymes

Digestion

The Heart and lungs

Pathogens and disease

The following websites will help you to do this:

www.s-cool.co.uk/alevel/biology

www.cellsalive.com

www.biologymad.com

www.spolem.co.uk

www.biology-innovation.co.uk

Recommended book: AQA Biology second edition, A-level year one and AS by Glenn Toole and Susan Toole, ISBN 978-0-19-835176.

The essential Maths Skills for A-Level Biology by CGP, ISBN 978-1-84762-323-2 is also very useful.

The specification for the course can be found at:

www.aqa.org.uk/subjects/science/as-and-a-level/biology-7401-7402

Business

Summer Research Project

In preparation for studying Business this coming September, we would like you to undertake a research project based on an entrepreneur, past or present.

This will give you your own personal insight into business and allow you to begin to understand the issues surrounding business and business success. It is expected that you will find this project interesting but it will also allow you to contribute specialist knowledge of an entrepreneur when opportunities arise.

Upon beginning the Business course in September you will be given the opportunity to share your findings with the rest of the group and a display surrounding the research carried out will be created.

It is also advisable that you start to take an interest in what is going on in the news (via the television, internet or newspapers) as this will help you to understand and put into context new knowledge that you will gain throughout the course. This is an excellent opportunity to gain some real insight into the world of work.

Entrepreneurs – Past and Present

Carry out a piece of research into an entrepreneur past or present. Presented as a fact sheet, you will include the following:

Background information (childhood, qualifications, field of work)

Qualities which you think they possess which makes them a true entrepreneur

The successes that they have enjoyed during their lifetime

Outcomes:

You will have a sound understanding of an entrepreneur which you will be able to feed back to the rest of the class.

You will have produced a well presented fact sheet on the entrepreneur of your choice. This piece of research should be a maximum of 2 sides of A4. Presentation is important, make it stand out!

Suggested Entrepreneurs

Oprah Winfrey, Bill Gates, James Dyson, Philip Green, Ingvar Kamprad, Henry Ford, Anita Roddick, Richard Branson, Coco Chanel, Karren Brady, Stelios Hajiloannou, Mark Zuckerberg or someone entirely different!

Enjoy your summer.

Chemistry

We are very pleased that you have chosen to study Chemistry next year. In order to have a great start in September, we would like you spend a little of your well-earned holiday reviewing a few key areas from the GCSE syllabus.

A sound grasp of the following topics is essential in order to be successful on the AQA course that we will be following.

Atomic Structure
Bonding
Writing Formulae
Balancing Equations
Calculating Reacting Quantities
Energy Changes
Practical Techniques

Useful websites include:

www.chemguide.co.uk
www.creative-chemistry.org.uk
www.rsc.org/chemsoc
www.rsc.org/chemsoc/learnnet/index.asp

Link to the specification is:

<http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-7404-7405-SP-2015.PDF>

Recommended book:

AQA A-Level Chemistry 2nd Edition, Authors: Ted Lister, Janet Renshaw Publisher: Oxford University Press (including Nelson Thornes) ISBN-13: [978-0-19-835182-5](https://www.oxfordup.com/9780198351825)

You will also be given the opportunity to order the following revision guides from school:

https://www.cgpbooks.co.uk/Student/books_a_level_chemistry_aqa.book_CM71

https://www.cgpbooks.co.uk/Student/books_a_level_chemistry_aqa.book_CAR72

We look forward to seeing you in September.

Computer Science

If you haven't previously done a GCSE in computing please watch the videos found on the link below and make your own notes - they are only short videos!

<https://student.craigndave.org/gcse-videos>

If you have already done GCSE Computing please watch the videos linked to ... but no need to make own notes.

<https://student.craigndave.org/a-level-videos>

also useful background is

https://www.youtube.com/channel/UCpBU-4sAGfEmT4ddfhwI5ZA/videos?disable_polymer=1

Have a great summer

D & T - Product Design

Task:

For a product of your choice, write a short report (400 words approx.) on the features of its design, the manufacturing methods that have been used and what the 5 main points in the specification for the product would be, include diagrams / photos where appropriate.

Explore the following websites:

www.design-council.org.uk

<http://www.designmuseum.org>

Have a look at the examination board specification:

<http://www.aqa.org.uk/subjects/design-and-technology/as-and-a-level/design-and-technology-product-design-7552>

D & T – Fashion and Textiles

To prepare yourself for the year ahead we suggest that you complete the following short tasks. This will help you start to gain an understanding of Textiles and Fashion.

Task 1

Look through your wardrobe at the items of clothing that you own. Choose 10 items made from very different fabrics. Look at the fabrics they are made from, feel the fabrics and look at the care label inside. Write down the type of garments chosen, and the fibre content e.g. 70% cotton, 25% nylon, 5% elastane. Include a quick sketch or photo. Getting to know what fabrics look like and feel like, and how they behave, is an important part of the course.

Task 2

While you are out and about over the holidays, have a look in clothes shops and take note of what styles are in fashion, what fabrics are in fashion and what colours are popular. Write about what you have seen and include sketches.

Task 3

Go on the internet or look in the library. Research the names of fashion, textiles or interior designers and research the type of products they are known for. Write down a minimum of 3 designers and discuss their work.

Some websites you may find useful:

www.vogue.co.uk/fashiontrends

www.fashion-era.com

www.londonfashionweek.co.uk

www.pinterest.com

www.youtube.com– watch previous episodes of “The Great British Sewing Bee” or other textiles related clips

www.allthingsgreen.net

www.fashion-era.com

Drama and Theatre Studies

The course is made up of the following components:

Preparation for this course includes basic research into the following practitioners:

Konstantin Stanislavski and The Method

Bertolt Brecht and the Verfrumdungseffekt

Antonin Artaud and The Theatre of Cruelty

Steven Berkoff and Total Theatre / Physical Theatre

Frantic Assembly

Knee High

Splendid

Research Equus:

Background Context, themes, Characters, Performances of the play - find images to support your research

Woyzeck – Background and Context.- find images and source all your information from the websites you use.

Themes

Characters

Performances of the play.

German Expressionism.

Thank you

Mrs Richardson

Economics

In preparation for studying Economics this coming September, we would like you to study past macroeconomic data about the UK economy. This will give you a general understanding of how the economy works. The data you will need to study is:

Interest rates – last 15 years
Unemployment rates – last 15 years
Inflation – last 15 years
Balance of payments – last 15 years
GDP from 1990 – present day

Comment upon the trends, and what it means for:

Individual households
Businesses

Following the election of May 2015 and June 2017, what is the Conservative government doing to address any of the issues above (e.g. tax rates, austerity measures etc.)?

Suggested websites:

[BBC news economy tracker](#)
[Bank of England website](#)
[Office for national statistics](#)
[www.Tutor2you](#)
[UK government website](#)

English Language

During Year 12 you will study a wide range of texts about various subjects, examining these using different language frameworks. Through analysis, and through your own writing, you will explore how genre, audience and purpose shape language.

You will also study how people's use of language varies due to a range of contextual factors, for example gender, occupation, regional and social background, and ethnicity.

To prepare for A Level English Language, you should spend some of your time over summer reading about language. The following websites are good places to start:

<https://blog.oxforddictionaries.com/>

<https://www.theguardian.com/media/mind-your-language>

<http://www.bbc.com/future/tags/language>

<http://englishlangsfx.blogspot.com/>

<https://debuk.wordpress.com/>

In the first week of term, bring to your lessons a printed copy of one article about language and be ready to explain what you have learned from it, and what opinions you have about the topic discussed.

You should also find definitions and examples of the following terms:

nouns

conjunctions

verbs

modal verbs

adverbs

deixis

adjectives

personal pronouns

prepositions

possessive pronouns

We look forward to seeing you in September.

The English Department

English Literature

The course involves reading and analysing a whole variety of texts, including novels, plays and poetry. The most useful thing you can do over the holidays, therefore, is to start reading.

During the first year, you will be studying Aspects of Tragedy, including "Othello" or "King Lear" and "Death of a Salesman" so it would be great if you could read these three texts.

We would also like you to read at least one other tragic text from the following list and be prepared to talk, in a lesson, about the key themes and what is tragic about the plot and characters.

Tender is the Night, F Scott Fitzgerald
A Streetcar Named Desire, Tennessee Williams
Atonement, Ian McEwan
Brighton Rock, Graham Greene
1984, George Orwell
The Handmaid's Tale, Margaret Atwood
Wuthering Heights, Emily Bronte
A View From the Bridge, Arthur Miller
The Crucible, Arthur Miller

We look forward to seeing you in September.

Food Science and Nutrition

Before the course starts you need to carry out the research and tasks below.

Nutrition is a key part of the course and you will need to have a clear understanding of nutrients and healthy eating.

Watch the video link to learn more about what is meant by a healthy diet. Explain what a healthy diet is and the key elements of the Eatwell Guide.

<https://www.youtube.com/watch?v=1tJYcNt6Bpk>

Explore the concept of energy intake, expenditure and energy balance.

<https://www.youtube.com/watch?v=d-5w67NAOIo>

Task: Watch the podcast about energy and answer the questions below.

What is energy?

Why do we need to eat food?

How much energy do we need?

What are the factors that affect 'energy out'?

What is energy balance?

Food Presentation: It is important to understand how to layout food products in order to improve their visual appearance. Use the following websites and videos to investigate what makes food look good. You are welcome to search for other tips and guidance on food presentation techniques. This is partially important, as you will be required to photograph the products you make.

Task: Write a list of tips and ideas for successful food presentation.

<http://www.howtocookgourmet.com/foodpresentationtips.html>

<http://www.cravemag.com/features/the-art-of-food-presentation/>

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

<https://www.youtube.com/watch?v=9YBnczqciHI>

Food in the news: Create a "food in the news" media folder. Between now and the beginning of September collect any articles that you find referring to Food and Nutrition.

The Guardian and Observer newspapers, the BBC news and the BBC Good Food Magazine are good starting places. You could also look at the free papers and magazines available at food retailers.

Task: Select 2 articles that you think are important/news worthy. Summarise the key points and explain why you think that each article was published/written.

French

We are delighted that you have chosen to study Languages at A Level next year, and we are looking forward to sharing our enthusiasm for French with you. In order for you to get off to a flying start, we will outline below some activities you could do between now and September.

Verbs are vital! A secure knowledge of all the tenses covered at GCSE level will enable you to tackle advanced grammar with more confidence. There are lots of interactive exercises you can do online, try www.languagesonline.org.uk. We have also included a booklet in your postal pack for you to work through.

Listening is the skill that many people have the most difficulty with. The more practice you can get, the better. Websites such as www.bbc.co.uk/languages have listening material on them. If you have satellite or cable television, try tuning in to TV5 (French) occasionally. Even if you do not understand much to begin with, it is good to get used to the rhythm and intonation of the language, and you will be pleasantly surprised by how much more you understand after a few weeks.

Current affairs. At A Level you will need to express your opinions on events that are in the news, so if you are not already in the habit of watching the news or reading a quality newspaper, now is the time to start! This will be useful for all your A Level subjects! You supply the opinions and we'll give you the necessary vocabulary to express them! A good website to look at for an overview of what's going on in the French speaking world is www.1jour1actu.fr

Have a well-deserved rest during the summer, but don't forget the 'little and often' principle. Doing as little as 10 – 20 minutes of French 3 or 4 days per week between now and September will help you to get into good study habits and be more useful to you than trying to do an hour's work once or twice during the holidays.

Some websites you may find useful:

www.lesclesjunior.com great for short articles about current affairs.
www.tf1.fr news, sport, music, reading, video and listening material.
www.leconjugueur.com any verb you like, conjugated in every possible tense.
www.Tv5.org francophone TV station website.

We look forward to working with you in September.

With best wishes from

The MFL Department

Geography

The study of geography at A Level will allow you to gain a strong understanding of the natural and human processes that shape our planet. You will gain a scientific understanding of plate tectonic theory, the effects of plate movement, and how people can be protected from earthquakes, tsunamis and volcanoes. We will investigate the reasons why poverty is a stronger indicator of earthquake destruction than the magnitude of the earthquake itself.

In year 1 you will gain a deep understanding of population pressures facing nations around the world. You will also complete a project on fluvial process and landforms, investigate energy conflicts and cooperation at international and national scales, and learn how glacial process have shaped environments in the UK, the USA, Canada and Iceland. In year 2 you will study plate tectonics, world cities, development and globalisation, and will complete an investigation into a contemporary geographical issue (previous examples include the study of a proposed dam in Belo Horizonte, Brazil).

Research tasks

It is vitally important that you are well-prepared for the start of the course in September. You should complete the research tasks below.

Task 1: Population pressures.

Research the global distribution of population and create or find a map that shows areas of high population density. Label those areas to highlight their status as being within an LEDC or MEDC. Use websites such as www.nytimes.com, www.bbc.co.uk and www.guardian.co.uk to find examples of people migrating from LEDCs to MEDCs. Write a short essay to detail the reasons for this migration and the effect it has on the country of origin and arrival.

Task 2: Glacial environments.

You will study the development of glacial environments across the world. Prior to starting the course in September should gather photographs showing all key glacial landforms such as corries, arêtes, glacial troughs and pyramidal peaks, and annotate these with descriptions of the characteristics and formation of each landform.

Other useful websites:

www.cia.gov/library/publications/the-world-factbook
www.knowledge.allianz.com

We look forward to seeing you in September!

Early Modern History

In Early Modern History you will be studying two units:

Tudor England
The French Revolution

Recommended reading (there is no need to purchase any books before the start of term):

Tudor England:

AQA Textbook – AQA A-level History: The Tudors: England 1485-1603 by [David Ferriby](#) (Author), [Angela Anderson](#) (Author), [Tony Imperato](#) (Author), (this is released in June 2015)

French Revolution:

The French Revolution: Beginner's Guides by Peter Davies
AQA textbook—AQA A Level History, France in the Revolution 1774—1815 (Sally Walker)

Bridging Work to be completed for September

Tudor England:

Students to complete either a mind map or fact sheet about Tudor England (1485-1603). It should cover the following areas:

Religion – what religion was practised, changes in religion, importance of religion
Power – role of the monarchy, role of the government, power of the people
Foreign affairs – England's relationship with other nations, wars at the time
Social issues – economic problems, poverty, working life, social structure – class systems

French Revolution:

Students to complete either a mind map or fact sheet about the French Revolutionary period (1774-1815). It should cover the following areas:

Religion – what religion was practised, changes in religion, importance of religion
3 Key profiles: Louis XVI, Marie Antoinette, Napoléon Bonaparte
Foreign affairs – France's relationship with other nations, wars at the time
Social issues – economic problems, poverty, working life, social structure – class systems

Modern World History

In Modern World History you will study two units:

The Cold War 1945-91

The British Empire 1857-1967

Your initial preparation for the course should be focused upon background reading and in particular becoming familiar with the key people and events from both units. We have also included a booklet in your postal pack for you to read through.

A number of books are highly recommended, these include *A Divided World Superpower relations 1944-90* Les Barker/Robin Bunce/Laura Gallagher, and *A World Divided; Superpower Relations 1944-90* Steve Phillips, Oxford A level History for AQA: *The British Empire 1857-1967 (out September 2015)*, Oxford A level History for AQA: *The Cold War c1945-1991(out September 2015)*

Please note, it is not necessary to purchase any books before the start of term.

As an introduction refer to the BBC bitesize history website section on *The Cold War*.

Whilst the department is able to offer a wide range of textbooks and specialist resources, your ability to prepare yourself for subsequent lessons through background reading is an important skill at A Level history.

British Empire Unit addition: Summer reading and research, produce a timeline of important events relating to the British Empire, 1857-1967.

Enjoy your reading and we look forward to meeting you in September.

Mathematics / Further Mathematics

Congratulations on choosing one of the most respected, worthwhile and useful courses that you will ever study. Mathematics is the most powerful problem solving tool known to mankind and yet has an intrinsic elegance and truth.

“Maths is your friend. If you meet with him every day he will become your best friend. If you leave him for a time he will forget you and you will forget him.”

After your GCSE you will have three months before starting your A Level, and in this time it is easy to forget a lot of mathematics. Most students will be able to cope with the demands of A Level, but it is important for all students to do some work over the summer, so please complete the additional booklet that was sent to you in the post as well as the solutions to the **four** questions below to your first mathematics lesson.

1. Solve $\frac{x+4}{2} + \frac{2}{x+2} = \frac{x}{2}$

2. Simplify $\frac{4a}{8b^2} \times \frac{3a^3b}{2a^{-1}}$

3. Expand and simplify $(\sqrt{3} + \sqrt{6})(2\sqrt{3} - \sqrt{6})$

4. Write $x^2 - x - 2$ in the form $(x + a)^2 + b$

Solve $x^2 - x - 2 = 0$ using three different approaches.

Sketch a graph of $y = x^2 - x - 2$ and explain the connection to both the questions above

Students who do well at A Level do most of the following:

- Review their notes after every lesson
- Make their own notes, summarising what they learn
- Ask questions, in and out of lessons
- Meet all deadlines with full solutions
- Take an interest in maths outside of school

There are a wealth of very readable maths books that are not part of the A Level course but should provide a little mathematical inspiration. Try to borrow at least one and read it over the summer.

17 Equations that Changed the World Ian Stewart

The Colossal Book of Mathematics Martin Gardner

Fermat's Last Theorem Simon Singh

Many articles on <http://nrich.maths.org>

Any of the books on this page <http://www.goodreads.com/shelf/show/pop-math>

Good luck in your preparation. Please email Mr Plowman with any questions:

b.plowman@allsaintslearning.co.uk

Music

Listening and Appraisal

Listen to the pieces below...

Vivaldi – Violin concerto in Am

Bach – Brandenburg Concerto No. 4 in G major

Mozart – Don Giovanni (Overture and Commendatore)

Mozart – The Magic Flute (Queen of the Night aria)

Mozart – The Marriage of Figaro (Overture and Cavatina)

Identify the following...

- Identify the instruments playing
- What is the tonality? Where does it modulate to?
- What is the structure of the piece?
- Identify key features of the melody
- Identify key harmonic features (cadences, chord sequences, use of pedal etc)
- Other key stylistic features of the Baroque/Classical period

Physical Education

We are delighted that you have chosen to study Physical Education next year and are looking forward to welcoming you in September. In order for you to arrive fully prepared, ready and raring to go we have outlined some activities below that will set you in good stead for the start of the course.

Familiarising yourself with the specification

The examination board that we use for Physical Education at All Saints Catholic High School is AQA. The link below will take you directly to the online specification for Physical Education. Using this link to become familiar with the syllabus and specification requirements would be very useful.

<http://www.aqa.org.uk/subjects/physical-education/as-and-a-level/physical-education-7582>

There is a practical component to the course and therefore ensuring you are physically active over the summer in at least one activity is essential. On pages 31 to 80 on the specification there is a list of all of the activities and their core skills you can be assessed in next year. Making yourself familiar with the core skills for your particular activity or activities will be useful. If you are involved in training and competitions, it would be useful to start gathering video evidence of the core skills for use in your practical assessment. In a games sport you must provide unedited footage of a full sided game. Individual sports require footage of 2 full competitive competitions.

Current Climate

It would be useful for you to keep an eye out for any interesting newspaper, magazine or electronic articles relating to any aspects of sport. There will be many stories from the summer sporting events that link directly to the syllabus such as; the history of sport, drugs in sport, hooliganism, etc. Keeping an active eye on how they are portrayed and presented will place you in a very good position for next year. Other areas to look out for could be changes to government funding and initiatives designed to increase opportunities for participation as this will be beneficial for work that will be completed later on in the year.

Resources

We do not make it a compulsory requirement to purchase any books for this course, however, if you do want to have an individual copy of the main textbook that will be used you could purchase:

AQA A-Level PE Book 1, AQA A-Level PE Book 2

Have a lovely relaxing summer break.

See you in September

The Physical Education Department

Some useful websites for Physical Education:

www.activeplace.com

www.arielnet.com

www.bodybuildingforyou.com

www.brianmac.demond.co.uk

www.news.bbc/sportsacademy

www.bbc.co.uk/science/hottopics/obesity

www.netdoctor.co.uk/diseases/facts/osteoporosis

www.pz.football.co.uk

www.specialolympics.org

www.sportscoachuk.org

www.sports-fitness-adviser.com

www.sportscience.org

www.sportstec.com

Physics

An Introduction to Particle Physics

Introduction

Much of the Physics A-level consists of theoretical constructs of the world around us; these ways of modeling how the universe works, and what objects too small for us to see look like, have existed for centuries. Within the A Level there are an increasing number of exam questions worth a significant number of marks that require you to write about a particular theory, model or scientific development.

Task

You should produce a short piece of work on the subject of **models of the atom**.

This task is designed to get you to find information, absorb it and summarise it for yourself. You may include diagrams or other images to help you. This is not a grand assessment, it is designed to get you to read around a topic and become informed before the lesson; this task will lead straight into the first few lessons on particle physics. As such there is no word limit you must reach, or standard by which you will either pass or fail. However, for clarity, it is not expected that you produce more than two A4 pages on this.

Format

Your work could take many forms and it is entirely up to you to decide on a style that suits you. You may write it in prose (as you find in a book or article) or as a series of short factual descriptions (as you may see in a textbook or encyclopedia page). It is recommended that you focus on the historical views of the atom and particles, not an in-depth look at how we view particle physics now. Here are some suggestions to start you off but you do not need to include all of these:

How the Ancient Greeks perceived atoms

John Dalton's model of the atom

J.J. Thomson's model of the atom

Ernest Rutherford's model of the atom

Niels Bohr's model of the atom

James Chadwick's model of the atom

Inside the proton, neutron and electron – quantum theory

Advice

The internet is a perfectly valid source of information and a website like Wikipedia can be extremely useful for background reading in a subject such as Physics. However, it should only be used as a starting point; there are plenty of sources to use from Universities, online articles and organisations like CERN. If you would like any clarification, guidance or some places to find information feel free to email Mr Ince: c.ince@allsaintslearning.co.uk

The Physics Department

Some Useful Websites

www.cyberphysics.co.uk

www.s-cool.co.uk

Psychology

Thank you for showing an interest in psychology. This subject may be new to you so, the first thing you need to do is to find out what this subject is *really* about and what areas we cover at A Level. Visiting the following websites will help you do this:

- 1) <http://www.aqa.org.uk/subjects/psychology> - select A Level Psychology and find out more about the course content and the skills you will develop. You can even look at the exam papers to become familiar with the layout and question types.
- 2) Now you have more of an idea about the subject, let's see if you can think like a psychologist. Psychology isn't just common sense. Psychologists **observe** behaviour, formulate an **explanation** or **theory** to account for behaviour, and then they conduct a **test** to see if their theory is correct.

Try the activity below:

Case Study

Several years ago, a young woman was stabbed to death in the middle of a street in a residential section of New York City. Although such murders are not entirely routine, the incident received little public attention until several weeks later when the New York Times disclosed another side to the case:

At least 38 witnesses had observed the attack and none had even attempted to intervene. Although the attacker took more than half an hour to kill Kitty Genovese, not one of the 38 people who watched from the safety of their own apartments came out to assist her. Not one even lifted the phone to call the police. (A.M. Rosenthal, 1964, *Thirty-Eight Witnesses*, New York: McGraw Hill).

Activities

1. Devise a possible **explanation** for the behaviour of the 38 onlookers.
2. Suggest ways of **testing** your explanation.

Please bring your ideas with you to the subject taster sessions in September.

Religious Studies

Students can look at the RS revision website:
http://www.rsrevision.com/contents/newalevel_ocr.html

Additionally the Dialogue magazine is the official Philosophy of Theology magazine which covers ethics and philosophy for A-Level and can also be found in Sheffield Libraries.

Current affairs. At A Level you will need to express your opinions on events that are in the news, so if you are not already in the habit of watching the news or reading a quality newspaper, now is the time to start! This will be useful for all your A Level subjects. Business Ethics is a big topic in our A Level.

Have a well-deserved rest during the summer, but don't forget the 'little and often' principle. Look at the websites below to get a taste of what we will study during your A Level.

Look at the BBC ethics pages for some interesting discussion topics.

<http://www.bbc.co.uk/ethics/introduction/>
www.philosophyofreligion.info
www.bbc.co.uk/ethics
www.rsrevision.com

We look forward to working with you in September.

With best wishes from

The Religious Education Department

Sociology

Sociology is a subject which will be new to most students so it is important to find out as much as you can about the subject and the topics covered as A level.

1) <http://www.aqa.org.uk/subjects/sociology>—select AS & A Level Psychology and find out more about the course content and the skills you will develop. You can even look at the exam papers to become familiar with the layout and question types.

Now read the extract below and answer the questions which follow.

2) WHAT IS SOCIETY?

THE SCENARIO

Well into the future, scientists have perfected a neutron bomb which eliminates people without destroying anything else in the environment. At the peak of increasing international tension you are selected, along with 400 other people chosen randomly (of all ages, children without parents, adults with husbands or wives, single adults), to shelter in a deep mine which it is hoped, will give you some protection. Well, the worst happens and you all emerge a year later with the remnants of the food and water originally stored in the mine. You are the world's sole survivors. Without anyone to come to your aid, you will be forced to construct a new society. How is this to be done?

The following questions are designed to help you think of the key issues. Although you are being asked to do something highly unlikely, answer each question carefully. Remember that there are no right or wrong answers to these questions.

- 1 What will you need to survive?
- 2 How are the day to day tasks to be organised? Who will do what? Who says?
- 3 Will a leader be necessary? If so, how will that leader be selected? Will everyone have an equal say? What happens to those who disagree?
4. What about those who cannot look after themselves, the old and the young? What about new babies?
5. Will families be encouraged? How will relationships between the sexes be managed?
6. When the new society finally grows or produces things, how are they to be distributed? Who will get what?
7. What about religion?
8. What about leisure?
9. Will the group agree? If not, how are conflicts to be resolved?
10. What will happen about rule breakers?

PLEASE BRING YOUR IDEAS WITH YOU TO YOUR FIRST LESSON IN SEPTEMBER

Spanish

We are delighted that you have chosen to study Languages at A Level next year, and we are looking forward to sharing our enthusiasm for Spanish with you. In order for you to get off to a flying start, we will outline below some activities you could do between now and September.

Verbs are vital! A secure knowledge of all the tenses covered at GCSE level will enable you to tackle advanced grammar with more confidence. There are lots of interactive exercises you can do online. Go to: www.espanol-extra.co.uk and www.languageonline.org.uk to find them. We have also included a booklet in your postal pack for you to work through.

Listening is the skill that many people have the most difficulty with. The more practice you can get, the better. Websites such as www.bbc.co.uk/languages have listening material on them. If you have satellite or cable television, try tuning in to TVE (Spanish) occasionally. Even if you do not understand much to begin with, it is good to get used to the rhythm and intonation of the language, and you will be pleasantly surprised by how much more you understand after a few weeks.

Current affairs. At A Level you will need to express your opinions on events that are in the news, so if you are not already in the habit of watching the news or reading a quality newspaper, now is the time to start! This will be useful for all your A Level subjects! You supply the opinions and we'll give you the necessary vocabulary to express them!

A good website to look at for an overview of what's going on in the Spanish speaking world is: www.elmundo.es

Have a well-deserved rest during the summer, but don't forget the 'little and often' principle. Doing as little as 10 – 20 minutes of Spanish 3 or 4 days per week between now and September will help you to get into good study habits and be more useful to you than trying to do an hour's work once or twice during the holidays.

We look forward to working with you in September.

With best wishes from

The MFL Department

Some useful websites for Spanish news:

www.euronews.net Select language 'Español' and then choose from a wide variety of News videos.

es.news.yahoo.com/ Follow the link to **Video Noticias** for three-minute news clips.

Spanish TV channel websites:

www.antena3tv.com Choose from the menu for the topic area you are interested in and then browse for video clips: www.antena3videos.com/

For news, browse for videos at:

www.informativos.telecincinco.es/

www.canalsur.es Click on the link to TV “en directo” (live) and you will be able to watch the channel on streaming video.

Spanish radio on-line

www.rtve.es/rne/envivo.htm Select a radio station from the list.

www.topradio.es/ Easy listening music radio station for Spanish and English / American pop music.

www.lyngsat.com/freeradio/Spain.html Selection of the most important radio channels

BTEC Dance

I am very pleased that you have decided to take BTEC Dance. Throughout the course you will undertake a series of practical workshops focussing on different styles of dance, technical and performance qualities. You will participate in workshops led by professional dancers and visit the theatre to watch professional repertoire.

The dance course comprises the following four units:

1. Investigating practitioners work
2. Developing skills and techniques for live performance
3. Group performance workshop
4. Contemporary dance technique

In preparation for September please research Contemporary Dance with specific reference to Martha Graham, Merce Cunningham, Matthew Bourne and the Rambert Dance Company.

I hope you have a lovely summer and I look forward to meeting you in September.

Miss Ashcroft

Foundation and Extended Diploma in Health and Social Care

Take an interest in health related items in the news; use the [BBC Health site](#), you can download this as an app on your phone. You can set up notifications for health news.

Topical health issues include: the rising trends in obesity, diabetes and heart disease and how lifestyle can affect health; how to best care for an ageing population and the predicted rise in dementia cases. Also look out for articles related to funding in the health and care sector. The government will continue to be faced with challenges in funding health and social care in the UK.

Look out for health promotion campaigns at national or local level e.g. the *THINK!* Drink-driving campaigns, or the Stoptober campaign. Think about what methods they use to educate and encourage behavioural change.

Read articles relating to services in your area e.g. nursery provision, closure of care homes, the move from in-patient care in NHS hospitals to care in the community. Look out for issues relating to private treatment being provided within the NHS.

Use the website www.nhscareers.nhs.uk Familiarise yourself with job roles for a range of professions e.g. social worker, district nurse, occupational therapist, care worker, paramedic, midwife etc. Read about the vast range of careers in the health and care sector. Try to understand the knowledge and skills these professions need.

Browse the websites of a couple of universities. Find out what the entry requirements are for some of the courses for health and social care professions.

bbc.co.uk/health

dh.gov.uk

nhs.uk

scie.org.uk

ons.gov.uk

BTEC Sport & Exercise Science

We are very pleased that you have selected to study the BTEC Extended Diploma in Sport. So that you hit the ground running and make the best possible start we would like you to become familiar with the course specification so that you have a good understanding of the course context. Go to www.edexcel.com from this page you can find lots of information about the course including the specification. To prepare for the start of the course, save the unit specifications to a memory stick or to your home computer.

The first four units you will study in September are listed below, (there are some research suggestions you could undertake over the summer next to each unit):

Unit 5 – Applied Research Methods in Sport and Exercise Science.

Research in sport is bigger than what you think. There are three major types of research that can be conducted, can you name these? Differentiating between validity and reliability is vitally important in this unit; do you know the difference between these? No? Then get researching!

Unit 6 – Coaching for Performance and Fitness.

Behind every great athlete is a great coach whose experiences and knowledge has been developed over many years. Can you provide a couple of suitable examples of coaches who have supported athletes in their sport and what skills and qualities do they exemplify?

Unit 8 – Specialised Fitness Training.

Being fit is everyone's goal but getting fit takes a lot more than simply exercising. An understanding of what constitutes "being fit" is important. Can you identify the physical and skill-related components of fitness and identify three personal fitness goals for yourself?

Unit 4 – Field and Laboratory-based Fitness Testing.

Fitness testing in sport plays a vital role in enhancing sports performance. Can you clearly differentiate between what a field-based test is and what a laboratory-based test is and provide at least one example of each?

To get yourself prepared for the start of the course we recommend you buy an A4 lever arch file, pens, diary, note pad and a memory stick.

Below are two books we would recommend once you start the course as these will give you a basic understanding of the majority of units covered and can be used over both years; BTEC National Sport and Exercise Science Student Book and Revise BTEC National Sport and Exercise Science Revision Guide

Both books are published by Pearson Heinemann.

Enjoy the summer!

Please see Physical Education for useful websites for sport