****

***The St Joseph’s Sixth Form Super Curricular List***

**The Sixth Form Super Curricular List: *Going Beyond the Classroom: Super-Curricular Learning***

One of the best ways you stand out during your Sixth Form studies is through the amount of independent study you undertake outside of the classroom. Regardless of your future plans, the ability to extend yourself and research independently into your interests is an invaluable skill – this will support your university applications and/or future job applications and interviews. All universities expect more than just classroom knowledge, which is where supercurricular activities come in; these are academic enrichment tasks that show you are interested in your studies beyond what is on the school syllabus.

This ‘Discovery List’ has been put together to help you develop your interests not only in you chosen fields of study, but also in the wider world around you.

**General resources**

• iTunes U o Free podcasts, video lectures, reading recommendations - A whole range of resources from leading universities (Oxford, Yale)

• YouTube - Has its own educational channel – EDU

• Staircase 12 o www.staircase12.org o A website put together by University College, Oxford (our link college at Oxford) o Contains interviews and book reviews from current students

• Radio 4 o Excellent range of archive material o Recommended – Week in Westminster / Thinking Allowed / A History of the World / In Our Time

• TED - Watch talks from experts from a variety of fields

• MOOCs – Massive Open Online Courses – These online courses provide videos, reading lists and activities – you often don’t need to formally complete the course: FutureLearn – [www.futurelearn.com](http://www.futurelearn.com), EdX – [www.edx.org](http://www.edx.org), Coursera – [www.coursera.org](http://www.coursera.org)

 • Websites of Professional organisations e.g. o www.rsc.org – Royal Society of Chemistry o www.history.org.uk – The Historical Association

• Read newspapers! o Some online versions are free - Read more than one to develop your critical skills

|  |  |  |  |
| --- | --- | --- | --- |
| ***Subject*** | ***Things to read*** | ***Things to see*** | ***Things for the future*** |
| Art, Craft & Design Exam Board: AQASpecification: 7201  | * Living and Sustaining a Creative Life: Essays by 40 Working Artists by Sharon Louden
* Catching the Big Fish: Meditation, Consciousness, and Creativity by David Lynch
* Art & Fear: Observations on the Perils (and Rewards) of Artmaking by David Bayles & Ted Orland
* Creative Block by Danielle Kyrsa
 | * The Tate Modern – modern and contemporary art
* The Design Museum
* The Victoria and Albert Museum – applied arts
 | A course in Art & Design will teach you more than just how to properly manipulate materials and will prepare you to think critically and innovatively – skills that are highly valued outside of the creative industries as well. Although the potential careers are vast, there are many options in the creative industries, such as: Fine artist, art therapist, fashion designer, animator, photographer, graphic designer, illustrator, gallery curator, architect, textile designer, interior designer, retail merchandising, gaming designer, advertising executive, marking executive, teacher, and many more.  |
| BiologyExam Board: AQASpecification: 7402 | * The selfish gene by Richard Dawkins
* Genome by Matt Ridley
* The Origin of Species by Charles Darwin
* What a plant knows by Daniel Chamovitz
 | * Attend lectures in London by leading scientists
* Attend Eton college medical society talks
* Year 12 students assist with the running of science club
* The Natural History Museum
* The Grant Museum of Zoology
* The Old Operating Theatre
 | Medicine, veterinary medicine, accounting, law, teaching, physiotherapy, psychology. |
| Business StudiesExam Board: EdexcelSpecification: 9BS0 | * The news and business stories on a regular basis
* The tipping point: how little things can make a big difference – Malcolm Gladwell
* The Google Story: David A. Vise
 | * Young Enterprise Competition
* AWS competition
* The Museum of Brands – London
* Mars – Slough
 | The course is designed for pupils who want to develop skills for modern management and become entrepreneur business leaders.. Also it is suitable for people who want to explore how information and data can be handled. An A Level in Business Studies can lead on to careers in any industry and general management, with specialisms such as accounting and finance, marketing or human resources. |
| Vocational Business Studies (BTEC) Exam Board: EdexcelSpecification: BTEC Level 3 National Certificate in Business 601/7155/8  | * Edexcel – BTEC Nationals – Skills for learning and work
* The news and business stories on a regular basis
* The tipping point: how little things can make a big difference – Malcolm Gladwell
 | * Mars – Slough
* SEGRO – Slough
* Opportunities through Learning to Work – LHEA
* Cadbury’s World
* Freakonomics Podcast
* Museum of Brands - London
 | Whatever your chosen career path, a business course will help you on your way: directly into employment or to higher level study. Typical career routes include working for the financial and service industries in the area or setting up your own business. University courses include Business, Finance, Accountancy, Economics, Marketing, International Business, Event Management and Human Resource Management. |
| ChemistryExam Board: AQASpecification: 7405 | * Periodic Tales by Hugh Aldersey-Williams
* The disappearing spoon by Sam Kean
* The pleasure of finding things out by Richard Feynman
* The New Scientist – Journal
 | * Attend lectures in London by leading scientists
* Attend Eton college medical society talks
* The museum of the history of science at Oxford University
* Science Museum London
* Royal Society of Chemistry – Burlington Arcade, London
* Museum of History of Science – Oxford
 | Medicine, veterinary medicine, accounting, law, teaching, engineering, chemical engineering, architecture. |
| Computer ScienceExam Board: OCRSpecification: H446 | * The Most Complex Machine, by David Eck
* Once upon an algorithm, by Martin Erwig, 2017
* Wired – a magazine
* Trigger Happy: the inner life of videogames – Stephen Poole
* Accidental Empires – Robert X Cringely
 | * Join a tech community to store your projects and collaborate with other programmers
* Create a blog with your online projects
* The Alan Turing Cryptography Competition
 | Leads to careers in Computer Science, other Science subjects, business, hardware and software development, network engineering and telecommunications. |
| Core MathematicsExam Board: AQASpecification: 1350 | * Why do buses come in threes? – Rob Easterway
* Fermat’s Last Theorem – Simon Singh
* The World of Mathematics – James R. Newman
* Godel, Escher and Bach: an Eternal Golden Braid – Douglas Hofstadter
 | There is the opportunity to attend Maths lectures as well as compete in the Senior Maths Challenge – a national competition. | Engineering, Accountancy, Computing, Economics, Business, Banking, Architecture, Psychology, Air Traffic Control, Retail Management and Teaching, to name but a few.If I were to take this course I should: Read the course specification.https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html |
| D&T: Product Design Exam Board: AQASpecification: 7552 | * Design for the 21st Century (Icons Series) - Charlotte Fiell and Peter Fiell
* Thames and Hudson - the eco-design handbook - by Alastair Fuad-Luke.
* DATA - Designing with Pro/Desktop - John Hutchinson
* Design Sketching (ISBN 978-91-976807-0-7) by Erik Olofsson and Klara Sjolen
 | * Design Museum
* Tate Modern
 | 3D design could take you into a number of exciting career paths. Of course there’s product or automotive design. But what about computer generated cartoons? Or maybe CAD for industry appeals to you more? This course could take you into architecture, teaching, manufacturing, advertising or engineering. |
| Economics Exam Board: EdexcelSpecification: 9EC0 | * The wealth of nations – Adam Smith
* The general theory of employment, interest and money – John Maynard Keynes
* Thinking Strategically – Avinash Dixit
* Capital – Karl Marx
 | * European Travel
* Share Trading Club
* Personal Finance
 | Economics is suitable for pupils studying business and enjoy working with numbers. To have an in depth understanding of consequences of decisions made individuals, households, firms or government. Employers also like to employ economists for the analytical skills that they bring rather than employing them as practicing economists. Job roles have included emerging market analyst, fund manager’s assistant, and trainee accountant and trainee stockbroker. |
| English Language Exam Board: OCRSpecification: H470  | * Bill Bryson, ‘Mother Tongue’
* Lynn Truss, ‘Eats, Shoots and Leaves’
* Robert Lane green, ‘You are what you speak’
* David Crystal, ‘The Fight for English’
 | * Study Days e.g. Sovereign Education Courses
 | There are endless career possibilities that English Language can give rise to. Opportunities include: journalism, speech therapy, advertising, creative writing, teaching, broadcasting, public relations, performing arts and further study at university. |
| English LiteratureExam Board: OCRSpecification: H472 | * Everything from your course reading list but also:
* The Times Literary Supplement – a weekly literary review
* Try to read material from the ‘prizes’ e.g. The Man Booker prize or the Orange prize
* Try to get into reading a broadsheet newspaper weekly
 | * THE GUARDIAN HAY FESTIVAL May/June http://www.hayfestival.com
* BBC PROMS LITERARY FESTIVAL July/Sept http://www.bbc.co.uk/proms
* HENLEY FESTIVAL July http://www.henley-festival.co.uk
* HENLEY LITERARY FESTIVAL Sept/Oct www.henleyliteraryfestival.co.uk/
 | There is no limit to the possibilities that English Literature can give rise to. The subject is still one of the most prestigious to study in the country. Career opportunities include: journalism, advertising, creative writing, teaching, law, broadcasting, public relations, performing arts and further study at university. |
| GeographyExam Board: AQA Specification: 7073 | * Powerdown: Options and Actions for a Post-Carbon World (2004) by Richard Heinberg.
* Geography: An integrated approach by David Waugh (various editions). Excellent breadth and depth of A-Level content.
* There is no such thing as a natural disaster ( 2006) by Chester Hartman and Gregory D Squires
 |  | Geography is an excellent A Level subject to aid progression to university whether you are continuing the subject or not because geography demonstrates a questioning mind and one that can evaluate and summarise key concepts which is a big plus for employers; a recent study found those with a geography degree had the lowest unemployment rate of any subject (2010 HECSU). |
| Health and Social Care (BTEC)Exam Board: Pearson Specification: 601/7197/2 | * Edexcel – BTEC Nationals – Skills for learning and work
* The Student’s Companion to Social Policy – Alcock, May & Wright
* The spirit level: why equality is better for everyone – Pickett & Wilkinson
 | * Visits to Health and Social Care settings, such as a care home.
* Question and answer sessions with various Health Care professionals
 | * Carer
* Occupational Therapist
* Child Care
* Nursery Nurse
* Midwife
* Nurse
* Health Care Assistant
* Teacher
* Social Worker
 |
| History Exam Board: EdexcelSpecification: A Level 9HI0 | * David Mauk and John Oakland, American Civilization Sixth Edition (Routledge, 2014).
* Nancy L Clark, South Africa: The Rise and Fall of Apartheid (Seminar Studies in History, Routledge 2011).
* Niall Ferguson, Empire (Penguin, 2004).
 | History is appropriate for students who have a natural interest in the world around them and a desire to enrich their understanding of where we are now. If reading, acquiring knowledge about societies in the past, discussion, developing ideas, arguments, and analytical writing appeal to you, then you will almost certainly love studying History. | History is universally revered as a facilitating subject and is valued by all universities including the leading Russell Group universities. History involves so many useful disciplines and touches upon so many areas of life, you can take it in many different directions such as a career in Law, journalism, heritage work, politics and the financial sector. |
| Languages: FrenchExam Board: AQASpecification: A-level French 7652 | * The French press regularly (www.lemonde.fr).
* Novels such as Bonjour Tristesse, Un Sac de Billes, Élise ou la vraie vie.
* Grammar revision guides to ensure you are secure in GCSE level grammar
 | Trips include film screenings and visits to the French Institute in Kensington. There is also the opportunity to attend seminars in London for students of A level French. Students are able to take part in language immersion study trips to Paris or Marseille which can be organised through the school. | A degree in French gives students the edge in today’s global job market, whether they are considering a career in business, finance, diplomacy, media, interpreting, translation or teaching. |
| Languages: Spanish Exam Board: AQASpecification: A-level Spanish 7692  | * The Spanish press regularly (www.elpais.es).
* Novels such as Réquiem por un campesino español, Las bicicletas son para el verano or Como agua para chocolate.
* Grammar revision guides to ensure you are secure in GCSE level grammar
 | Trips include film screenings at the British Film Institute and there is the opportunity to attend seminars in London for students of A level Spanish. Students are also able to take part in language immersion study trips to Malaga which can be organised through the school. | Having completed a degree in Hispanic studies you will have acquired a high level of competence in Spanish and will have the ability to use it in complex contexts. Many languages students choose to remain in further education and go on to study in law, finance or media after graduation. The highly desirable combination of language skills, cultural literacy and critical thinking means that languages graduates are in high demand in today’s employment market. |
| LawExam Board: AQASpecification: 7162 | * The Rule of Law by Tom Bingham
* Eve Was Framed by Helena Kennedy
* Bleak House by Charles Dickens
* Letters to a Law Student: A Guide to Studying Law at University by Nicholas J. McBride
* The Secret Barrister: Stories of the Law and How It's Broken
 | Law allows for many enrichment opportunities. We try and gain first-hand experience of how the law works by visiting Parliament and the courts. Students also have the opportunity to work with students in younger year groups to help them with the mock trial competition that takes place. | Many students will go onto studying law at University as well as other university courses. The skills obtained from this course will also allow you to enter a number of careers such as the Police, the Civil Service, Business, Banking, Journalism and Social Work. |
| MathematicsExam Board: EdexcelSpecification: AS: 8MA0/01, 8MA0/02, A: 9MA0/01, 9MA0/02, 9MA0/03 | * Why do buses come in threes? – Rob Easterway
* Fermat’s Last Theorem – Simon Singh
* The World of Mathematics – James R. Newman
* Godel, Escher and Bach: an Eternal Golden Braid – Douglas Hofstadter
 | There is the opportunity to attend Maths lectures as well as compete in the Senior Maths Challenge – a national competition. | Engineering, Accountancy, Computing, Economics, Business, Banking, Architecture, Psychology, Air Traffic Control, Retail Management and Teaching, to name but a few.If I were to take this course I should: Read the course specification.https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/mathematics-2017.html |
| Media Studies Exam Board: OCRSpecification: H409  | * www.mediaknowall.com Media theories online
* https://www.imdb.com/list/ls055592025/ - the top 100 greatest movies of all time
* Eisenstein, Sergei. Film Form: Essays in Film Theory.
* Bull A (2015) Multimedia journalism: a practical guide, Routledge
 | Film and documentary production days at the British Film Institute (BFI), classes in media production for portable devices, University based theory seminars, introductions to advertising, school based product ‘pitch’ days and learning walks with some of the UKs leading media institutions. | With the rapid and ongoing development of e-media and broadcast technologies, media studies can lead to an ever expanding range of career possibilities from media production, marketing, coding and analysis to advertising, journalism, public relations and law. |
| Music Performance (BTEC) Exam Board: EdexcelSpecification: 2018  | * Sound on Sound Magazine
* Future Music Magazine
* Music Tech Magazine
* How Music Works: A listener’s guide to harmony, keys, broken chords, perfect pitch and the secrets of a good tune - John Powell
* Music Technology: A survivor’s Guide - Paul White
 | The Music Museum (London)British Music Experience (London) | Students can go on to study subjects such as music or education at university or look for job opportunities within the arts sector. |
| Performing Arts (BTEC) Exam Board: Edexcel Pearson Specification: Pearson BTEC Level 3 National Certificate in Performing Arts  | * Matthew Bourne in conversation
* Unmasked by Andrew Lloyd Webber
* An Actor Prepares by Constantin Stanislavski
* The complete Brecht toolkit by Stephen Unwin
* The Theatre and its double by Antonin Artaud
 | * School Productions opportunities
* Workshops with KS3
* Working with Primary Schools
 | * Actor
* Director
* Theatre Producer
* Teacher
* Designer
* Stage/Theatre Manager
* Sound Design
* Theatre in Education
 |
| Philosophy & EthicsExam Board: OCRSpecification: H173 and H573 | * The Puzzle of Evil Peter Vardy
* The Puzzle of Ethics Peter Vardy
* The Blind Watchmaker Richard Dawkins The Republic, Plato
* On Liberty, Mill
* Beyond good and evil, Nietzsche
* An enquiry concerning human understanding, Hume
* A history of western philosophy, Russell
 | Pupils have the opportunity to attend Academy Conferences in London, led by scholars who write the course textbooks. We work very closely with other schools such as Eton College, who are involved in writing some of the exam papers for OCR. | Barrister, Newspaper Journalist, Teacher |
| Physics Exam Board: AQASpecification: 7408 | * A short history of nearly everything by Bill Bryson
* The Grand Design by Stephen Hawkin and Leonard Mlodinow
* A short History of Nearly Everything - Bill Bryson
* Why don’t penguins’ feet freeze? – NewScientist
* The Grand Design – Stephen Hawkin and Leonard Mlodinow
* Newton – Peter Ackroyd
* The Quantum Universe: Everything that can happen does happen – Brian Cox and Jeff Forshaw
* Physics World
 | Attend lectures in London by leading scientistsAttend Eton college medical society talksScience MuseumThe planetariumGreenwich observatory | Engineering, chemical engineering, architecture, geology, teacher, accountant. |
| PsychologyExam Board: AQASpecification: | * The AQA A level Psychology books one and two and the news online regularly (the skills learnt on the course often require application in real world settings). There is a Radio 4 podcast on Psychology called All in the Mind, with current and past episodes available, and I would watch current affairs documentaries such as the BBC’s Panorama programmes and Channel 4’s Crime and Punishment.
* Other publications might include:
* Freud for Beginners by Richard Appignanesi and Oscar Zarate
* Introducing Psychology: A Graphic Guide to Your Mind and Behaviour by Nigel Benson
* Mindwatching: Why We Behave the Way We Do by H.J. Eysenck and Michael W. Eysenck
 | Students have the opportunity to attend psychology conferences in London for led by the authors of the course textbook. Within school students are able to link EPQ work with content learned in class, opening the possibility for further practical research inside and outside the classroom. | Careers in psychology (requiring further study after A Level) include criminology, occupational psychology, sport psychology, educational psychology, clinical psychology or counselling psychology. Any career involving contact with people such as teaching, social work, medicine, business and management. It will also support any career that involves high levels of analysis and evaluation. |
| Sociology Exam Board: AQASpecification: 7192 | * I should read AQA A level Sociology book one and book two and sociologists such as Louis Theroux and Reggie Yates and I should watch current affairs documentaries such as Channel 4s Unreported world.
* Sociology Review
* New Internationalist
* The New Statesmen
* The Economist
 | Students have the opportunity to attend a criminology conference in London led by researchers that have applied psychological research in real world situations. There will also be a chance to go for a meal at The Clink, a restaurant/charity run by ex-prisoners. | Many business roles such as human resources, journalism, teaching, criminology, social work, armed forces and many other areas as a result of the skills developed. |
| Sports Studies (BTEC) Exam Board: Edexcel Pearson Specification: 601/7218/6   | * Edexcel – BTEC Nationals – Skills for learning and work
* Journal of Sports Sciences
* Journal of Sport & Social Issues
* Sports Biographies/Autobiographies
 | * Visits to a sports laboratory
* Exposure to the fitness sector
* Question and answer sessions with fitness sector professionals.
 | * Fitness Instructor
* Sports Coach
* PE Teacher
* Physiotherapist
* Sports Therapy
* Youth work
* Sports Nutritionist
* Sports Psychologist
 |
| Travel & Tourism (BTEC)Exam Board: EdexcelSpecification: BTEC Level 3 National Extended Certificate in Travel and Tourism | * Edexcel – BTEC Nationals – Skills for learning and work
* The BBC has an excellent range of travel programmes, so watching any of these will help build your understanding of the world and the countries and peoples within it.
* The Best Service is No Service: How to Liberate Your Customers from Customer Service, Keep Them Happy, and Control Costs
* Lonely Planet Great Britain (Travel Guide)
* Blogs:
* http://www.danflyingsolo.com/
* https://www.travel-break.net/
 | BA customer services visitThorpe Park Customer Services visit | This qualifications has been designed to provide an all-round introduction to the travel and tourism sector for those who wish to further their careers in one of its many connected industries, including retail travel, visitor attractions, and accommodation, transport and tour operations. |