



THE SIXTH FORM
at Southmoor Academy

TRANSITION ***TAKE AWAY***

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Get a quick taste of our subjects and find out more about them before you make your choice!



STEM

(SCIENCE, TECHNOLOGY,
ENGINEERING & MATHS)

Subject.....Biology

Vision: "Biology is the study of complicated things that have the appearance of having been designed with a purpose." – Richard Dawkins

Reading: New Scientist

Browsing: www.newscientist.com

Listening: Inside Science (Radio 4).

Watching: Any episodes of Planet Earth or documentaries by David Attenborough, Gattaca.

Advice: Be prepared for independent learning! Revise from the beginning!



Subject.....BUSINESS

Vision: "Great things in business are never done by one person. They're done by a team of people." – Steve Jobs

Reading: Edexcel AS Business Spec @ <https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/business-2015.html>

Browsing: New York Times Business News

Listening: Profit Power Pursuit (podcast)

Watching: A Shark Tank

Advice: Business is a difficult but very interesting subject. Be ready to complete a lot of writing and research but you'll understand the news a lot more.



Subject.....Chemistry

Vision: Every aspect of the world today - even politics and international relations - is affected by chemistry. – Linus Pauling

Reading: New Scientist

Browsing: www.a-levelchemistry.co.uk, www.chemguide.co.uk

Listening: Inside Science (Radio 4)

Watching: www.a-levelchemistry.co.uk

Advice: Independent study is essential! Learn more of the truth about Chemistry.



Subject.....Computing Science

Vision: "Computer science is no more about computers than astronomy is about telescopes." - Edsger Dijkstra

Reading: Python for GCSE by Patrick Dawkins

Browsing: Computing at Schools. Littleman computer (download), Python Version 3.6 (download), Khan academy (website), Code Academy (website)

Watching/Listening: The digital human (Radio 4).

Advice: Computing is not an easy option, the course is rigorous, we will support you but you must be 100% committed.



Subject.....Engineering

Vision: The branch of science and technology concerned with the design, building, and use of engines, machines, and structures.

Reading: Engineering Magazine

Browsing: raeng.org.uk & engineeringmagazine.co.uk

Listening: The material World (Radio 4).

Watching: Engineering Giants (BBC 2).

Advice: If you like to apply science and maths to design and make things then this is for you.



Subject.....Information Technology

Vision: "Information technology and business are becoming inextricably interwoven. I don't think anybody can talk meaningfully about one without the talking about the other." – Bill Gates

Reading: Find 'NHS Cyber attacks' article online.

Browsing: Computing at Schools-resources for binary and hexadecimal, Littleman computer.

Listening: BBC news technology website podcasts.

Watching: Look out for how workplaces use computers in their everyday practices? Where do you see IT?

Advice: IT is everywhere, look out for all its practical applications.



Subject.....Maths

Vision: "Every culture has contributed to maths just as it has contributed to literature. It's a universal language; numbers belong to everyone." – Daniel Tammet

Reading: The Num8er My5teries: A Mathematical Odyssey Through Everyday Life

Browsing: www.s-cool.co.uk/a-level/maths

Watching/Listening: Dara Ó Brian's School of Hard Sums (TV show), The Story of Maths Marcus Du Sautoy (BBC TV show).

Advice: Ask questions, contribute, if you are talented enough to opt for Maths, you should be driven and self-motivated you will achieve!



Subject.....Physical Education

Vision: "It is really important that we promote competitive support in schools. It is very important that we recognise that has to be underpinned by good quality physical education and by getting people into patterns of exercise." – Sebastian Coe

Reading: Alex Ferguson-Up Close and Personal

Browsing: www.bbc.co.uk/sport

Listening: www.bbc.co.uk/5live

Watching: Tune in to a Sports channel and watch a sport you wouldn't normally watch, what do you notice?

Advice: Stick to deadlines and redraft your work constantly, read around our subject, don't be afraid to fail, success is up to you!



Subject.....Physics

Vision: "No one undertakes research in physics with the intention of winning a prize. It is the joy of discovering something no one knew before." – Stephen Hawking

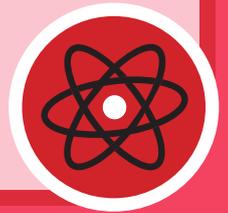
Reading: Scientific American (journal), A Brief History of Time Stephen Hawking.

Browsing: www.newscientist.com

Listening: www.bbc.co.uk/iplayer/categories/science-and-nature/highlights

Watching: The Wonders of the Solar System by Brian Cox.

Advice: Repetition is the key! Answer the questions about our weird universe!
There are a lot of questions!



Subject.....Psychology

Vision: "Psychology keeps trying to vindicate human nature. History keeps undermining the effort." – Mason Cooley

Reading: The Memory illusion – Dr Julia Shaw

Forensic Psychology – a very short introduction – David Canter

AQA Psychology for A-Level Year 1

Browsing: Milgram replication in Poland.

O.C.D. A Disorder That Cannot Be Ignored.

www.Digest.bps.org is a good website to just go on and search for topics.

www.psychologytoday.com is another good website to go on and use the search button.

Listening: All in the mind (Radio 4).

Watching: 12 Angry Men

Advice: Pick a time of day where you can get motivated to prepare for tests, write essays, and solve problems.



The Arts

Subject.....Art

Vision: "Creativity takes courage." – Henri Matisse

Reading: The Art Book: Big Ideas simply explained.

Browsing: : www.saatchigallery.com & <http://www.tate.org.uk/art>

Listening: www.bbc.co.uk/iplayer/categories/arts/a-z

Watching: This is Modern Art-Series (Youtube)

Advice: "One can have no smaller or greater mastery than mastery of oneself." – Leonardo da Vinci



Subject.....Photography

Vision: "Photography for me is not looking, it's feeling. If you can't feel what you're looking at, then you're never going to get others to feel anything when they look at your pictures." – Don McCullin

Reading: Photography foundations for art and design.

Browsing: www.vam.ac.uk/collections/photographs

Listening: www.bbc.co.uk/iplayer/categories/arts/a-z

Watching: The Genius of Photography (Youtube).

Advice: Enjoy the learning process. The best part of pursuing a subject like photography is never running out of things to learn. Inspiration is all around you. Look at everything with the eyes of a photographer and you'll see opportunities you never noticed before.



Subject.....English Language

Vision: "The English language is nobody's special property. It is the property of the imagination: it is the property of the language itself." – Derek Walcott

Reading: Language and Representation in Language-a student handbook Alison Ross
Language and Identities Carmen Llamas and Dominic Watt.

Browsing: www.languageatinternet.org

Watching: www.teachit.co.uk

Advice: None of us are superhuman, so it's important to realise that you can't maintain an optimum level of concentration without giving yourself some time to recover from the work you've put in.



Subject.....English Literature

Vision: "Books are the carriers of civilization. Without books, history is silent, literature dumb, science crippled, thought and speculation at a standstill." – Barbara Tuchman

Reading: The Oxford Complation to Shakespeare, Death of a Salesman by Arthur Miller, Middlemarch by George Elliot, The Wasteland by T.S. Eliot.

Browsing:

www.aqa.org.uk/subjects/english/as-and-a-level/english-literature-a-7711-7712

Listening: Bleak House. The Women in White, Cranford, Casablanca, 12 Years a Slave.

Watching: Lincoln, The Aviator, Oliver Twist, The Young Victoria, Effie Gray.

Advice: Your attitude has a big impact on the effectiveness of your learning process. If you keep saying that you can't do it and won't commit to the idea of learning, attempting to study is only likely to become more difficult. Instead, focus your mind on positive outcomes and on how you can use your own individual strengths to achieve them.



Subject.....Film & Media

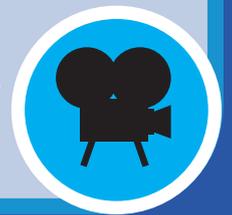
Vision: "I love escaping into film, because everyday life I find quite troublesome. So any excuse to go into a cinema and say goodbye to the world for a couple of hours, or in a book or whatever, is great." – Alison Goldfrapp

Reading: The Media Teacher's book Julian McDougall, Exploring the media.

Browsing: www.mediaknowall.com

Listening/Watching: Any film pre 2000!

Advice: This is a good point in time to select a couple of study partners who you know you work well with and are motivated to achieve good grades also.



Subject.....Geography

Vision: "Geography has made us neighbors. History has made us friends. Economics has made us partners, and necessity has made us allies. Those whom God has so joined together, let no man put asunder." – John F. Kennedy

Reading: www.rgs.org

Browsing: www.englandsnortheast.co.uk/SunderlandIndustries.html

Listening: www.bbc.co.uk/iplayer/categories/science-and-nature/highlights

Watching: Give a 100% from the start! The time you spend organising now will help you in the future!

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Subject.....French

Vision: “If you talk to a man in a language he understands, that goes to his head. If you talk to him in his language, that goes to his heart” – Nelson Mandela

Reading: Le Tartuffe, Candide, L'étranger, Bonjour tristesse, Un sac de billes, Kiffe kiffe demain, No et moi.

Browsing: www.lemonde.fr, www.phosphore.com

Listening: Use the websites above to also access videos and sound files on various different topics. You should also access radio channels to practise your listening skills. www.tv5.fr, www.franceinter.fr, www.radiofrance.fr, www.nrj.fr

Watching: Les 400 coups, Au revoir les enfants, La Haine, L'auberge espagnole, Entre les murs, Les Choristes, Taxi, Caché.

Advice: Ensure you are organised from the start with separate file for each teacher with dividers for each topic. Keep comprehensive grammar notes. Do plenty of listening, reading and watching of French on a regular basis. Go to France over the summer if you get chance – immerse yourself in the language!



Subject.....Health & Social Care

Vision: “Remember our proud history of social justice, universal health care, public pensions and making sure no one is left behind. Let’s continue to move forward.” – Jack Layton

Reading: Linda Wyatt (2017) CACHE Technical Level 3 Extended Diploma in Health and Social Care

Browsing: www.faculty.londondeanery.ac.uk/e-learning/diversity-equal-opportunities-and-human-rights/what-is-equality-and-diversity

Listening: www.bbc.co.uk/iplayer/categories/science-and-nature/highlights

Watching: An episode of ‘One Born Every Minute’.

Advice: Try to complete a work experience over the summer in a health and social care setting, diary your experiences, it will prove useful in the future!



Subject.....History

Vision: "A people without the knowledge of their past history, origin and culture is like a tree without roots."
– Marcus Garvey

Reading: The Hitler Myth Ian Kershaw, The Rise and Fall of the Third Reich William L Shirer.

Browsing: www.bbc.co.uk/iplayer/categories/history/highlights

Listening: Nazis-a warning from History available @ BBC.

Watching: Cabaret, Rise of Evil, Schindler's list, The Pianist, Valkyrie, Defiance.

Advice: It is not the amount of time you spend studying that matters. It's what you can accomplish during that time.



Subject.....Law

Vision "I do not agree with what you have to say, but I'll defend to the death your right to say it." – Evelyn Beatrice Hall

Reading: www.e-lawresources.co.uk/Criminal.php

Browsing: www.thelawbank.co.uk/links.asp

Listening: www.youtube.com/user/TheLawBank/videos

Watching: www.bbc.co.uk/iplayer/categories/documentaries/highlights

Advice: Learn the general concepts first, don't worry about learning the details until you have learned the main ideas.



Subject.....Drama

Vision: "Drama is life with the dull bits cut out." – Alfred Hitchcock

Reading: www.bbc.co.uk/arts

Browsing: www.thoughtco.com/profile-of-sophodes-121067

Listening: www.bbc.co.uk/iplayer/categories/arts/highlights

Watching: Splendid's Antigone.

Advice: Make use of a dictionary and an encyclopaedia; they are great resources.



Subject.....Music

Vision: “Where words fail, music speaks.” – Hans Christian Andersen

Reading: Music Theory in Practice Grade 5 work book.

Browsing: Ted Ed Mucis playlist on YouTube.

Listening: Any classical concert online or in theatre (for example the Sage in Gateshead).

Watching: www.bbc.co.uk/iplayer/categories/arts/highlights

Advice: Know what to expect - look at the exam format so you know many questions you have to answer and whether any of them are compulsory.
Check the specimen examination paper.



Subject.....Sociology

Vision: “You must not lose faith in humanity. Humanity is an ocean; if a few drops of the ocean are dirty, the ocean does not become dirty.” – Mahatma Gandhi

Reading: www.britsoc.co.uk/what-is-sociology/how-is-sociology-research-conducted

Browsing: www.discoversociology.co.uk/what_is_sociology

Listening: www.bbc.co.uk/iplayer/categories/documentaries/highlights

Watching: Sociology conference at www.discoversociology.co.uk/For-Students

Advice: If you are asked to make an argument for a particular theory or approach, make sure that you make a balanced use of evidence to support your argument. Don't select only those facts or pieces of evidence that support your argument and ignore competing material.



