



**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](http://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](http://www.a-levelchemistry.co.uk), [www.chemguide.co.uk](http://www.chemguide.co.uk)

**Listening:** Inside Science (Radio 4)

**Watching:** [www.a-levelchemistry.co.uk](http://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](http://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](http://www.bbc.co.uk/sport)

**Listening:** [www.bbc.co.uk/5live](http://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

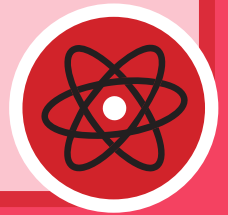
**Reading:** Scientific American (journal), A Brief History of Time Stephen Hawking.

**Browsing:** [www.newscientist.com](http://www.newscientist.com)

**Listening:** [www.bbc.co.uk/iplayer/categories/science-and-nature/highlights](http://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](http://www.Digest.bps.org) is a good website to just go on and search for topics.

[www.psychologytoday.com](http://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.saatchigallery.com) & <http://www.tate.org.uk/art>

**Listening:** [www.bbc.co.uk/iplayer/categories/arts/a-z](http://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](http://www.vam.ac.uk/collections/photographs)

**Listening:** [www.bbc.co.uk/iplayer/categories/arts/a-z](http://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](http://www.languageatinternet.org)

**Watching:** [www.teachit.co.uk](http://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.

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## 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](http://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](http://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](http://www.rgs.org)

**Browsing:** [www.englandsnortheast.co.uk/SunderlandIndustries.html](http://www.englandsnortheast.co.uk/SunderlandIndustries.html)

**Listening:** [www.bbc.co.uk/iplayer/categories/science-and-nature/highlights](http://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!

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





## 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](http://www.lemonde.fr), [www.phosphore.com](http://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](http://www.tv5.fr), [www.franceinter.fr](http://www.franceinter.fr), [www.radiofrance.fr](http://www.radiofrance.fr), [www.nrj.fr](http://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](http://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](http://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](http://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](http://www.e-lawresources.co.uk/Criminal.php)

**Browsing:** [www.thelawbank.co.uk/links.asp](http://www.thelawbank.co.uk/links.asp)

**Listening:** [www.youtube.com/user/TheLawBank/videos](http://www.youtube.com/user/TheLawBank/videos)

**Watching:** [www.bbc.co.uk/iplayer/categories/documentaries/highlights](http://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](http://www.bbc.co.uk/arts)

**Browsing:** [www.thoughtco.com/profile-of-sophodes-121067](http://www.thoughtco.com/profile-of-sophodes-121067)

**Listening:** [www.bbc.co.uk/iplayer/categories/arts/highlights](http://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](http://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](http://www.britsoc.co.uk/what-is-sociology/how-is-sociology-research-conducted)

**Browsing:** [www.discoversociology.co.uk/what\\_is\\_sociology](http://www.discoversociology.co.uk/what_is_sociology)

**Listening:** [www.bbc.co.uk/iplayer/categories/documentaries/highlights](http://www.bbc.co.uk/iplayer/categories/documentaries/highlights)

**Watching:** Sociology conference at [www.discoversociology.co.uk/For-Students](http://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.



