

Kimberley College Induction Book



KIMBERLEY
SIXTH FORM COLLEGE

Welcome to Kimberley College

Key Staff

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KimberleySixthFormCollege



KimberleySTEMcollege



@stemcollege



We hope you find your induction day at Kimberley informative and enjoyable and that you are looking forward to joining the college in September.

On the following pages you will find a schedule for your induction day and pages to make any notes about the day. You will also find information on every subject offered at Kimberley. There are details of what you are expected to bring in September, reading or research to complete over the summer and expectations of skills you will develop in the first few weeks of your new courses.

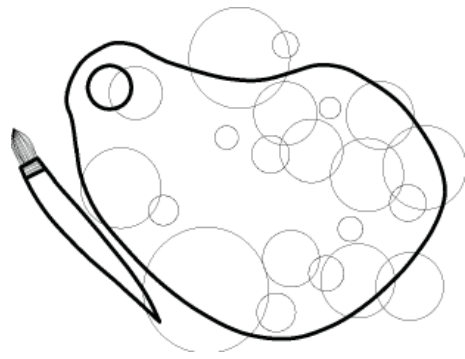
If you have any questions or concerns, please get in touch. We look forward to seeing you in September and wish you all the very best in August when you collect your results. Don't forget to complete the tasks on Applica on results day, August 25th. If you do not do so you may lose your place.

Induction Day Schedule

- 08:25** Shuttle bus leaves Wootton for Kimberley
- 08.30** Arrival of students
- 09:00** Welcome in the Atrium
- 09:15** Lesson 1
- 10:15** Lesson 2
- 11:15** Break Time
- 11:45** Lesson 3
- 12:45** Lunch
- 13:30** Lesson 4
- 14:30** End of Induction

Problems with your timetable?

If there is a problem with your timetable or you have any other questions then you will need to see a member of the college staff in the Sixth Form Office on the 1st floor in 1N05 -by the staff area.



Art (A Level)

Skills to develop: Composition and colour balance **Stationery:** Pen and paper to take notes.

Specialist Equipment: All materials will be provided

Textbooks: Not required

Summer Reading: Practical drawing task. Students will be given a handout explaining the task on induction day. Complete an A3 size Observational drawing in pencil of an object 'close-up'. It must be something that has an interesting pattern, texture and shape when viewed in close. We need to be able to tell what it is.

Biology (A Level)

Skills to develop: Using microscopes, introduction to mathematical and practical Biology skills, answering and marking A level exam questions, using the VLE to condense/complete notes.

Stationery: A4 lined paper, pens, pencils, calculator, ruler, one A4 ring binder

Textbook: AQA AS Biology (ISBN 978-0-19-835176-4)

Summer reading: Purchase and read CGP Head Start to A-level Biology (ISBN: 9781782942795) OR complete GCSE AQA Triple Biology Seneca (you will need to create a free online account if you have not used it before). This is in preparation for an induction test.

Business (BTEC)

Skills to develop: General research and analysis skills, assignment structure and presentation skills, document formatting skills, ICT skills, report writing, note taking.

Stationery: A4 lever arch file, pens, pencils and calculator. You may also benefit from the use of a basic laptop computer in class and when completing assignments.

Textbook: BTEC Nationals Business: Student Book 1: For the 2016 Specifications (BTEC Nationals Business 2016) ISBN-10: 1292126248.

Summer reading: Regularly reading the BBC business news section (<http://www.bbc.co.uk/news/business>) and looking for relevant examples of how real businesses respond to the external environment. The best sources of information will be the business pages or supplements of the following newspapers: The Telegraph, The Times, The Guardian, The Independent. The weekend editions of these papers are particularly rich in examples. For ideas on small businesses you might like to look at the business advice columns these papers operate where owners of small businesses write in with their problems. The Guardian and Telegraph both offer this in their Saturday editions. Also reading the Harvard Business Review (<https://hbr.org/the-latest>). Becoming familiar with the following major UK based corporations: McDonalds, John Lewis, IKEA, M&S, NATWEST, Tesco, Asda, Amazon. Increasing knowledge of local businesses.

Business Studies (A Level)

Skills to develop: Numerical skills, research skills, analysis skills, evaluative skills, source based question and answer skills, case study analysis, note taking, critical thinking, and recommendations.

Stationery: Scientific calculator, notebook, pens, highlighters, ruler. You may also benefit from the use of a basic laptop computer in class and when completing assignments.

Textbook: AQA Business for A Level (Marcousé) ISBN-10: 1471835693 .

Summer reading: We would like you to collect at least 5 news articles about business issues during your summer break before joining the Sixth Form.

At least two of these should be about small or start-up businesses (i.e. not multi-nationals), and no more than two can be sourced from the internet.

Please cut out the articles you have chosen and place in a file or scrapbook.

You must be ready to speak about the articles or news stories you have collected. The best sources of information will be the business pages or supplements of the following newspapers: The Telegraph, The Times, The

Guardian, The Independent. The weekend editions of these papers are particularly rich in examples. For ideas on small businesses you might like to look at the business advice columns these papers operate where owners of small businesses write in with their problems. The Guardian and Telegraph both offer this in their Saturday editions. The BBC news website, under the Economy\Companies tab may also be useful.

Chemistry (A Level)

Skills to develop: Atomic and electron structure. Introduction to mathematical and practical chemistry skills.

Stationery: A4 ring binder and dividers, A4 lined paper, pens, pencils, ruler and scientific calculator.

Textbook: A level Chemistry for OCR A Year 1 and AS: ISBN 978-0-19-835196-2.

Summer Reading: Register at these websites, browse and read Chemistry articles. <https://www.sciencenewsforstudents.org/topic/physics-chemistry> <https://www.chemistryworld.com/news>.

Computer Science (A Level)

Skills to develop: Problem solving, basic Python syntax.

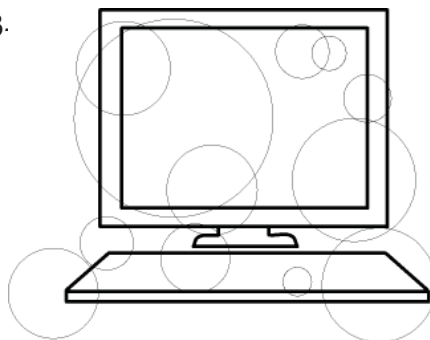
Stationery: A4 binder, lined paper and pen.

Specialist Equipment: Python software:

<https://www.python.org/downloads/release/python-365/>.

Textbook: AQA AS and A Level Computer Science - PM Heathcote and RSU Heathcote: ISBN 978-1-910523-

Summer Task: Python challenge.



Core Maths

Skills to develop: Real world application of mathematical skills, preparation for further study and employment, problem solving and statistical techniques for other subjects.

Stationery: Ring binder, dividers, pens and paper.

Specialist equipment: Casio ClassWizz FX-991EX calculator.

Textbook: AQA level 3 Mathematical Studies Student Book (AQA Core Maths) ISBN 9780008116200

Summer task: Complete the Core Maths bridging task.

Creative Media (BTEC)

Skills to develop: camera operating, lighting, video editing, Adobe Premiere, responding to a client, directing, producing, scriptwriting, analysis, evaluating.

Stationary: 1 large A4 ring binder with dividers, pens and highlighters.

Specialist equipment: Two HDSD cards minimum size 16GB, USB stick minimum size 16GB.

Summer reading: A summer task will be given to you on the induction day. Please refer to the handout. "Film, Audience and Me" - choose two film posters, one being your favourite film and the other a film not many people know. Annotate the posters with reasons why you have chosen them. How do they appeal to their audience? Favourite part? Why is this film unknown? Prepare to present your posters to the class after summer break.

Dance (A Level)

Skills to develop: Research skills, analytical skills.

Stationery: large A4 ring binder with dividers or 2 A4 folders with dividers, pens, highlighters, A4 lined paper.

Textbook: Essential Guide to Dance by Linda Ashley ISBN 13: 978-0-34-0968383.

Summer reading: Watch as much dance as possible - live performance and/or YouTube videos. Watch YouTube clips of any works by Christopher Bruce and Gene Kelly. Research RAMBERT using the website <http://www.ram-bert.org.uk/about-us/> -make notes on it's history and the company in the present day. Reading and research on the origins and development of JAZZ DANCE in America.

Drama (A Level)

Skills to develop: Experience of watching live theatre or recordings of live theatre, reading of play texts.

Stationery: pens, pencils, highlighter and ruler.

Textbook: TBC by awarding body.

Summer reading: Our Country's Good by Timberlake Wertenbaker and

Accidental Death of an Anarchist by Dario Fo. Also, watch at least one piece of live theatre - this can be local theatre in Bedford or further afield in Cambridge or Milton Keynes.

Economics (A Level)

Skills to develop: Quantitative skills, research skills, analytical skills, evaluative skills, source based question and answer skills, case study analysis, note taking, critical thinking.

Stationery: A4 folder, A4 lined paper, pens, pencils & rulers and a basic calculator.

Textbook: AS/A Level Economics by Alain Anderton (6th Edition). ISBN-10: 1447990552, ISBN-13: 978-1447990550, Published by Pearson. In addition you will be encouraged to take out a subscription for

The Economist magazine through the college in September.

Summer Reading:

A large part of the course is being aware of current affairs so you must make a point of reading news articles which mention the economy. A good example of this would be anything to do with BREXIT. You will also receive notes and a data analysis task during induction. You may also enjoy the book, 'Freakonomics'.

English (GCSE)

Skills to develop: Reading, writing and analysis skills

Stationery: Ring binder, paper and pens.

English Literature (A Level)

Skills to develop: Research skills, Analysis skills and Essay writing skills.

Visit school and local libraries.

Stationery: Two A4 Folders, dividers, pens, highlighters and A4 lined paper.

Textbook: The Great Gatsby by F Scott Fitzgerald and A Streetcar Named

Desire by Tennessee Williams.

Summer Reading: Any background reading about the author and text is useful.

English Lit/Lang (A Level)

Skills to develop: Research skills, detailed analysis skills and essay writing skills. Visit school and local libraries.

Stationery: Three A4 folders, dividers, pens, highlighters and A4 lined paper.

Textbook: buy and read Songs of Innocence and Experience by William Blake and The Great Gatsby by F Scott Fitzgerald.

Summer reading: Everything you can, fiction and non-fiction especially broadsheet newspapers—at least one per week. Any background reading about the authors and texts is also useful.

Engineering (BTEC)

Skills to develop: Assignment writing, maths, flipped learning skills

Stationery: Pens, A4 paper, A4 folder and calculator.

Textbook: BTEC National Engineering Revision Guide. ISBN-10: 1292150289

Summer reading: Write a comparison on die casting compared to sand casting. Explain when each can and cannot be used.

Finance (LIBF)

Skills to develop: Essay writing and knowledge and understanding of the financial sector, research skills, analysis skills, evaluative skills, source based financial question and answer skills, case study analysis, note taking and critical thinking.

Stationery: Pens, A4 paper, A4 folder and calculator.

Textbook: Will be provided by department in September. All resources for the qualification are provided as part of registry through the LIBF.

Summer Reading: BBC financial news, any news articles relating to monetary or fiscal policy found within major publications such as The Telegraph, The Times, The Guardian, The Independent and The Financial Times. Being aware of current monetary and fiscal policy is a must, with particular focus on interest rates, inflation and supply side policies.

French (A Level)

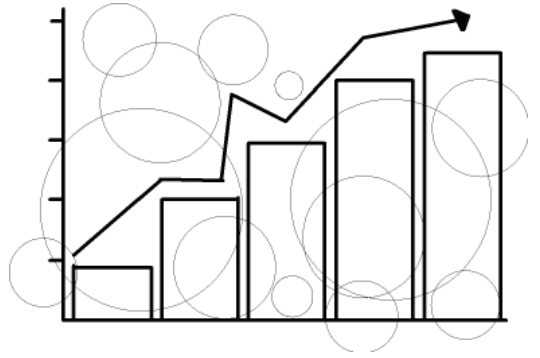
Skills to develop: Reading, writing and analysis skills.

Stationery: Pens, everything else to be provided by department.

Specialist Equipment: French Novel and DVD TBC in September

Textbook: AQA A Level Year 1 and AS French Student Book ISBN-10 0198366884.

Summer Reading: Research a French-speaking singer/band (e.g. Stromae, Louane etc.), a French film (e.g. La famille Belier, Intouchable etc.) and a famous French landmark (Mont St Michel, Grottes de Lascaux etc.). Compile your findings in a Word document (minimum 3 pages). This should be completed in French.



Further Maths (A Level)

Skills to develop: Note taking with worked examples, correct use of mathematical notation and problem solving.

Stationery: A4 ring binder and dividers, pens, pencils, black dry wipe marker pens.

Specialist equipment: calculator: fx-9860gii (ordered through Kimberley College at a reduced price approx... £55)

Textbook: Edexcel AS and A level Further Mathematics Core Pure Mathematics Book 1/AS Textbook, ISBN 9781292183336.

Summer Reading: Complete the Further Maths bridging task in preparation for the bridging assessment.

Geography (A Level)

Skills to develop: Analysis, problem solving, independent learning, team work, along with many others. Over the 2 year course you will be required to take part in a minimum of four days of geographical fieldwork. The geography team looks at the most educationally beneficial and cost effective fieldwork opportunities to enrich the A level experience. This may include various day field trips or a residential field trip. Potential costs for a residential trip can be around £400 for the 4 days.

Stationery: A4 lever arch binder x 2 (human and physical), dividers, lined paper, purple and standard pen, highlighters, calculator and full maths set including compass.

Specialist Equipment: Fieldwork may require waterproof coat, trousers, walking boots/wellies, and a clipboard. Specific details would be provided before each experience.

Textbook: Edexcel A Level Geography Book 1, Author Dunn et al. ISBN: 978- 1-47-1856549

Summer Reading: Follow the department Twitter page, @WATgeography. Watch/read the news regularly. Other useful resources include National Geographic, Science Daily and BBC News. Also engage with the Geography Review magazine that can be found following the Phillip Allen Updates weblink on the library VLE page. Over the summer, find 6 current articles related to your first 2 units of study – Coasts and Globalisation (3 for each). Read and take notes on each of them – bring these to your first Geography lesson. Make sure you note the source, date, author, website – depending which is relevant.

Graphics (BTEC)

Skills to develop: Drawing, creativity, imagination, Photoshop, problem solving, illustration, research, and social skills.

Stationery: Ink pens, coloured pencils, marker pens, digital stationary (laptops, graphics tablet, etc.) Sketchbook, note book.

Summer Reading: Grab a sketchbook and fill it. Fill it with sketches, illustrations, observations, designs and your imagination.

History (A Level)

Skills to develop: Research, analysis, evaluation, note taking, source analysis, reading, and essay writing skills. Using the library resources effectively including the Virtual Library and History subscription.

Stationery: Pens, highlighters, A4 lined paper, notebook leaver arch file and dividers.

Textbook: Edexcel AS/A Level History, Paper 1&2: Revolutions in Early

Modern and Modern Europe Student Book: ISBN 9781447985327.

Please buy this textbook by September.

Summer Reading: Complete the French Revolution MOOC available from the University of Melbourne on Futurelearn.com. Make sure that you complete two lessons and bring your notes with you to the first lesson.

Maths (A Level)

Skills to develop: Note taking with worked examples, correct use of mathematical notation and problem solving.

VLE page.

Stationery: Pens, A4 ring binder, dividers, black dry wipe pens.

Specialist equipment: calculator: fx-9860gii (Ordered through Kimberley College at a reduced price approx. £55)

Textbook: Edexcel AS and A level Mathematics Pure Mathematics Year 1/

AS Textbook ISBN 9781292183398.

Summer Reading: Complete the Maths bridging task in preparation for the bridging assessment.

Maths (GCSE)

Skills to develop: Ability to solve GCSE exam questions across the 5 areas of mathematics: Algebra, Number, Ratio, Geometry, Probability and Statistics.

Stationery: Pens, pencils and scientific calculator.

Textbook: Textbooks available to use in the department.

Summer Reading: Any GCSE revision guide and Edexcel practice papers/questions found on mathsgenie.co.uk.

Media (A Level)

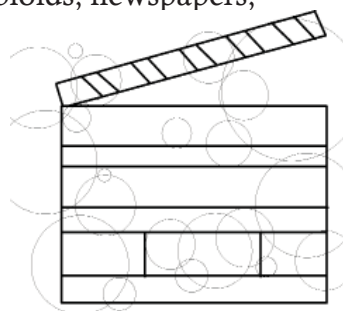
Skills to develop: Reading the Topic One resources found at www.woottonmedia.co.uk > courses > AS Media > log in: 'guest account' password: 'Fallout4'.

Stationery: Pens, colouring pencils, two A4 ring binders, two sets of dividers and A4 lined paper.

Specialist Equipment: Two HDSD cards minimum size 16GB.

Textbook: AQA AS Media by Julia Burton: ISBN-10 9780748798145.

Summer Reading: A range of Media Products: tabloids, newspapers, Sports News, World Media etc.



Law (A Level)

Skills to develop: Critical analysis, problem solving, debating, essay writing and research skills.

Stationery: A4 folder, A4 lined paper, coloured pens and highlighters. File dividers and plastic wallets are also useful.

Textbook: OCR AS/A Level Law- Book 1 (Year 1) ISBN 978151041761 Book 2 (Year 2) ISBN 9781510401778.

Summer Reading: Watch the news and/or read local and national newspapers paying particular attention to civil disputes and criminal cases. Bring an extract of one recent civil and one criminal case to your first lesson and be ready to explain it to the class. Focus on what the offence or liability was, how it was dealt with and what was the penalty or outcome.

Philosophy, Religion & Ethics (A Level)

Skills to develop: Working with the precise language of philosophy.

Stationery: A4 folder, A4 paper, pens and highlighters. File dividers are also useful.

Textbook: Issues of Life and Death (Access to Philosophy): Michael Wilcockson ISBN-13: 978-0340957752 (£13.99 on Amazon).

Philosophy of Religion (Access to Philosophy): Peter Cole ISBN-13: 978-0340957783 (£5.70 on Amazon)

Ethics for A Level: Mark Dimmock and Andrew Fisher (free download from Open Book Publishing)

<https://www.openbookpublishers.com/product/639>

Summer Reading: Read the Preface and Introduction to 'Ethics for A Level'.

Physics (A Level)

Skills to develop: Working scientifically, units, prefixes, scalars and vectors.

Stationery: A4 folder and lever arch file, dividers, A4 paper, pens (blue/black/purple), pencils, ruler, scientific calculator, protractor, compass.

Textbook: Edexcel AS/A Level Physics 1 by Miles Hudson— Pearson: ISBN 978-1-3379-9118-2.

Summer Reading: <http://physicsnet.co.uk/a-level-physics-as-a2/current-electricity/>

Use this website and Kirchhoff's laws to explain how potential dividers work. Explain why changing a voltmeter (with \sim infinite resistance) for a bulb (with low resistance) will change how the circuit behaves.

Politics (A Level)

Skills to develop: Research, analysis, evaluation, note taking, handling literature, source analysis and evaluative writing.

Stationery: Plastic wallets, highlighters, coloured pens and pencils, A4 lined paper and pens, A4 lever arch folder and dividers needed.

Textbook: Edexcel AS and A Level Politics textbook. Published by Pearson ISBN 1292187026.

Summer Reading: You are to collect at least 5 news articles about UK Politics during your summer break before joining the Sixth Form. At least two of these should be about Brexit and the process of leaving the European Union; two of these articles must come from a Newspaper. Please print out/cut out the articles you have chosen and make notes from the articles, explaining what you have learned from the articles. We will be discussing what we have read in the first lesson in September. You can use BBC News, The Huffington Post or the newspapers: The Guardian, The Telegraph, or The Times.

Psychology (A Level)

Skills to develop: Note taking & summarising information. How to revise

-use of different revision aids /methods. Organisation of folders and time.

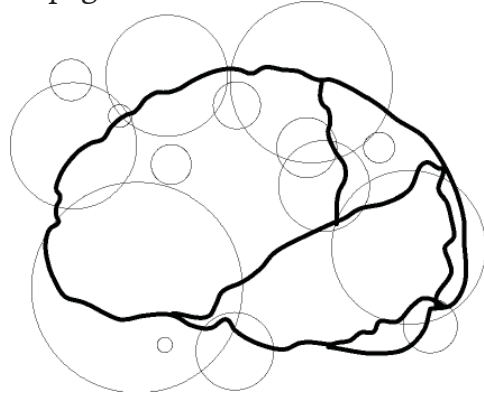
Stationery: A4 lever arch file, 10-part dividers, lined paper, pens, pencils, highlighters and ruler.

Textbook: AQA Psychology for A Level Year 1 & AS Student Book by Cara

Flanagan, Dave Berry, Matt Jarvis and Rob Liddle: ISBN 978-1908682406 we now have an online version of the same textbook. This can be accessed using the following link:

www.illuminate.digital/aqapsych1 - the username is SWOOT and the password is STUDENT.

Summer Reading: Read and make notes on pages 6-13 of the textbook via the online textbook.



Sociology (A Level)

Skills to develop: Note taking & summarising information.

Stationery: Two A4 lever arch files, A4 lined paper, pens and highlighters.

Textbook: AQA A Level Sociology Book One (including AS Level) By Rob

Webb: ISBN 978-0-9540079-1-1.

Summer Reading: Read pages 6-12 of the textbook. Answer Quickcheck

Questions on page 12.

Sports (BTEC)

Skills to develop: Revision skills and time management to enable students to complete assignments as well as working towards external assessments for Units 1 and 2.

Stationery: Pens, lined paper, lever arch folder and dividers.

Specialist Equipment: Kit for specific practical lessons whether this is in the gym at Kimberley or at Wootton. Students will be told beforehand what to bring.

Textbook: Pearson BTEC National Sport Student Book 1 ISBN: 978 1292134000.

Spanish (A Level)

Skills to develop: Reading, writing and analysis skills.

Stationery: Pens, everything else to be provided by department.

Specialist Equipment: Spanish Novel and DVD TBC in September

Textbook: AQA A Level Year 1 and AS Spanish Student Book ISBN-10

0198366906.

Summer Reading: <http://blog.readlang.com/top-5-news-sites-to-practice-reading-spanish/>,

<http://www.bbc.co.uk/languages/spanish/tv/onlinenews.shtml>,

<http://elpais.com/>, <http://www.larazon.es/>

Textiles (A Level)

Skills to develop: Developing skills in research, analysis of material, design, construction and embellishment techniques, pattern cutting, testing and evaluation. Theory- design theory, fibres, yarns and fabric technology, marketing, industrial practices.

Stationery: A4 lever arch file with dividers and plastic wallets, colouring pencils, drawing pencils etc. Lined paper. A3 sketchbook or flipfile (can be purchased from College for about £7).

Specialist Equipment: Fabric and components for coursework project. Own sewing kit with fabric shears is useful but not essential.

Textbook: AQA AS/A-Level Design and Technology: Fashion and Textiles by Pauline Treuherz, Amanda Dick, Denise Davies.

Summer Reading: Research the work of 2 iconic designers from the following list: Alexander McQueen, Yves St Laurent, Vivienne Westwood, Cristóbal Balenciaga, Coco Chanel, Christian Dior, Paul Poiret. Find out what era(s) they are associated with, find images of their work (you don't need to write about their life history) and produce a page of sketches of your own influences by these designers.