

Independent Study Guide: Subject specific

Please ensure you use this guide on a daily basis for the subjects you are studying for A LEVEL / BTEC. This will help ensure success at the end of your course.



Make studying part of your daily ritual so you don't look like this when you approach the end of your course

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Biology

Exam board and website	AQA
Units covered	<p>1 Biological molecules</p> <p>2 Cells</p> <p>3 Organisms exchange substances with their environment</p> <p>4 Genetic information, variation and relationships between organisms</p> <p>5 Energy transfers in and between organisms (A-level only)</p> <p>6 Organisms respond to changes in their internal and external environments (A-level only)</p> <p>7 Genetics, populations, evolution and ecosystems (A-level only)</p> <p>8 The control of gene expression (A-level only)</p> <p>Specification</p>
Recommended Daily Study Methods	<p>Watch videos from lessons (posted on Google Classrooms)</p> <p>Memorise answers to recall questions</p> <p>Complete summaries for ALL lessons.</p>
<p>Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<p>Completed the summary task for all lessons. (Instructions in Science Roadmap Booklet)</p> <p>Complete and assess summary questions in CGP Revision Guide and Online Textbook (Answers in back of books).</p> <p>Answer end of chapter questions in textbook (ask your teacher for answers) and revision guide (answers in back of book).</p> <p>Check Roadmap for resources and details</p>
Possible Careers (Motivation):	<p>Careers include:</p> <p>Research scientist</p> <p>Pharmacologist</p> <p>Biologist</p> <p>Ecologist</p> <p>Nature conservation officer</p> <p>Biotechnologist</p> <p>Forensic scientist</p> <p>Government agency roles</p> <p>Science writer</p> <p>Teacher</p>

Chemistry

Exam board and website	AQA
Units covered	<p>3.1 Physical chemistry</p> <p>3.1.1 Atomic structure 3.1.2 Amount of substance 3.1.3 Bonding 3.1.4 Energetics 3.1.5 Kinetics 3.1.6 Chemical equilibria, Le Chatelier’s principle and Kc 3.1.7 Oxidation, reduction and redox equations 3.1.8 Thermodynamics (A-level only) 3.1.9 Rate equations (A-level only) 3.1.10 Equilibrium constant Kp for homogeneous systems (A-level only) 3.1.11 Electrode potentials and electrochemical cells (A-level only) 3.1.12 Acids and bases (A-level only)</p> <p>3.2 Inorganic chemistry</p> <p>3.2.1 Periodicity 3.2.2 Group 2, the alkaline earth metals 3.2.3 Group 7(17), the halogens 3.2.4 Properties of Period 3 elements and their oxides (A-level only) 3.2.5 Transition metals (A-level only) 3.2.6 Reactions of ions in aqueous solution (A-level only)</p> <p>3.3 Organic chemistry</p> <p>3.3.1 Introduction to organic chemistry 3.3.2 Alkanes 3.3.3 Halogenoalkanes 3.3.4 Alkenes 3.3.5 Alcohols 3.3.6 Organic analysis 3.3.7 Optical isomerism (A-level only) 3.3.8 Aldehydes and ketones (A-level only) 3.3.9 Carboxylic acids and derivatives (A-level only) 3.3.10 Aromatic chemistry (A-level only) 3.3.11 Amines (A-level only) 3.3.12 Polymers (A-level only) 3.3.13 Amino acids, proteins and DNA (A-level only) 3.3.14 Organic synthesis (A-level only) 3.3.15 Nuclear magnetic resonance spectroscopy (A-level only) 3.3.16 Chromatography (A-level only)</p> <p>Specification</p>
Recommended Daily Study Methods	<p>Watch videos from lessons (posted on Google Classrooms) Memorise answers to recall questions Complete summaries for ALL lessons.</p>
Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	<p>Completed the summary task for all lessons. (Instructions in Science Roadmap Booklet) Complete and assess summary questions in CGP Revision Guide and Online Textbook (Answers in back of books). Answer end of chapter questions in textbook(ask your teacher for answers) and revision guide (answers in back of book).</p> <p>Check Roadmap for resources and details</p>
Possible Careers (Motivation):	<p>Careers include: Academic researcher, Biotechnologist, Clinical scientist, Forensic scientist, Nanotechnologist, Chemical engineer, Pharmacologist, Research scientist.</p>

Computer Science

Exam board and website	<p>AQA https://www.aqa.org.uk/subjects/computer-science-and-it/as-and-a-level/computer-science-7516-7517/specification-at-a-glance</p>
Units covered	<ol style="list-style-type: none"> 1. Fundamentals of programming 2. Fundamentals of data structures 3. Fundamentals of algorithms 4. Theory of computation 5. Fundamentals of data representation 6. Fundamentals of computer systems 7. Fundamentals of computer organisation and architecture 8. Consequences of uses of computing 9. Fundamentals of communication and networking 10. Fundamentals of databases 11. Big Data 12. Fundamentals of functional programming 13. Systematic approach to problem solving 14. Non-exam assessment - the computing practical project
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. Youtube tutorials: You can use it to watch educational walkthroughs in pretty much all topics, and most will jazz them up a bit to really gain your attention. It's actually pretty fun when you get into it, and it becomes a bit like a personal tutor when you need one. Craigndave A level AQA video playlist 3. The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report)
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3</p>	<ul style="list-style-type: none"> ● Revision resources on google classroom ● https://classroom.google.com/c/MTc2Mjk4MDMyMzha/a/MTg0Njc5NTg5NzVa/details ● Teacher assigned 'to do' list tasks ● https://classroom.google.com/c/MTc2Mjk4MDMyMzha/a/NTk5MzYzODc1MTBa/details ● Address Learning Gaps ● https://classroom.google.com/c/MTc2Mjk4MDMyMzha/m/NTk5MzYzODc1NTc0Njc5NTg5NzVa/details
Possible Careers (Motivation):	<ul style="list-style-type: none"> ● Mobile app developer ● 3D Animation and modelling programmer ● Software developer ● Games Developers (Xbox, PlayStation) ● Movie special effects designer ● Web programmer ● Tech finance developer ● Database Architect ● Network Engineer ● Data scientist ● Freelancer (Work from home) ● System analyst or Tester ● Hardware technician ● Tech Sales rep ● Technical Support ● Cyber Security analyst ● Computer Science Lecturer ● Project Manager

Economics

Exam board and website	AQA https://www.aqa.org.uk/subjects/economics/as-and-a-level
Units covered	Micro Unit 1 - Individuals, Firms, markets and market failure Macro Unit 2 - The national economy in a global context Synoptic - application of both micro and macroeconomic content
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. Youtube tutorials: You can use it to watch educational walkthroughs in pretty much all topics, it becomes a bit like a personal tutor when you need one. <i>Recommendations: EconPlusDal, Tutor2u.</i> 3. The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report) or from Mr Souch or Mr Elton
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<p>READ, READ, READ!!! Read like an economist to write like an economist.... Economics is a subject which is constantly changing - theory can be applied daily to a variety of new developments in the economy.</p> <ul style="list-style-type: none"> • The golden rule when reading an article - <i>read, annotate, summarise, apply a diagram / relevant theory</i> https://www.bbc.co.uk/news https://www.theguardian.com/uk https://www.bloomberg.com/europe https://www.bankofengland.co.uk/ https://moneyweek.com/ • Tutor2U: A FANTASTIC BANK OF ONLINE LESSONS Online Lessons for Year 12 A-Level Economics... Economics • Tutor2U: MCQs are a GREAT way to master your knowledge Revision Activities: MCQ Practice Tests for A... Economics <p>Create a picture essay of economics in action in your local area focusing on the four factors of production</p> <ul style="list-style-type: none"> • Capital (man made) • Enterprise (creativity - entrepreneurship) • Land - (nature) • Labour (work of people)
Possible Careers (Motivation):	Where do we start?! Economics is one of the most versatile subjects which can be applied across any industry. Careers in finance, marketing, IT, human resources, research and development, education, entrepreneurship are all possible. It's up to you to decide!

English Literature

Exam board and website	AQA https://www.aqa.org.uk/subjects/english/as-and-a-level/english-literature-b-7716-7717
Units covered	1B Aspects of Comedy 2B Elements of Political and Social Protest Writing Non-exam assessment: Theory and Independence
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. The Pomodoro technique - 25 minutes studying, 5 minute break. Complete this 4 times and then take a longer break (up to 30 minutes) before starting again. 3. Memorise quotations - it is never too early to begin doing this!
<p>Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g. summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<ul style="list-style-type: none"> • Read any book from the Post 16 section of the LBTS library. Reading improves your vocabulary and sentence structure. • Write scene or chapter summaries of any novel or play that you are reading. <ul style="list-style-type: none"> ○ Stage 1: write a list of detailed bullet points for every chapter/ scene in the play/ novel include as many quotations as you think necessary (minimum of 3) ○ Stage 2: write 5 bullet points for every chapter/ scene in the play/novel (include 2 quotations). ○ Stage 3: write 1 bullet point and 1 quotation for each chapter/ scene in the play/ novel. This quotation should be the most important one in that scene/ chapter and should TRIGGER your memory of what happens. • Make mindmaps: choose one section of any knowledge organiser you have been given and turn it into a Mindmap i.e. quotations from Petruchio on the Taming of the Shrew knowledge organiser. Add your interpretation of each quotation and words to describe his actions. • Read your York Notes study guide and make notes or make a small section of it into a mindmap. • Research the play/ novel you are studying online. Can you find any interesting interpretations of it? Make notes on these interpretations so you can use them (when relevant) in your essays. • Read the introduction to the play/ novel you are studying. These are often written by English professors and can provide interesting insight into the text. Make notes or turn what you've read into a mindmap. • Create flashcards to memorise key quotations. Write a 'trigger word' on one side and the full quotation, where it appears in the text (chapter/scene) and an interpretation of it on the other. You can also do this on Quizlet. • Complete a past paper essay as follows: <ul style="list-style-type: none"> ○ Stage 1: spend as much time as you need completing one question to the best of your ability, use all resources available and aim for 25/25. Give this to your teacher to mark ○ Stage 2: Having taken any feedback on board, complete the essay task again. This time complete it in exam conditions. Use a timer and do not use resources (complete it closed book if this exam is closed book) <p>Please note that in order to achieve well in past papers you must complete the steps above first i.e. memorising quotations and researching interpretations.</p>
Possible Careers (Motivation):	<p>Like Maths, English is considered a 'facilitating A Level subject' by all universities, particularly Oxford and Cambridge. Studying A Level English allows you to build essential communication skills and will help you in any career. Here are a few career paths chosen by people with an A Level in English Literature: Human resources, Events coordination, Policy director, Advertising, Marketing, Banking, Journalism, Speech writing, Film / TV Production, Fashion, Management consultancy, Politics.</p>

French

Exam board and website	AQA https://www.aqa.org.uk/subjects/languages/as-and-a-level/french-7652
Units covered	<p>1. Aspects of French-speaking society: current trends :</p> <ol style="list-style-type: none"> The changing nature of family (La famille en voie de changement) The 'cyber-society' (La « cyber-société ») The place of voluntary work (Le rôle du bénévolat) <p>2. Aspects of French-speaking society: current issues :</p> <ol style="list-style-type: none"> Positive features of a diverse society (Les aspects positifs d'une société diverse) Life for the marginalised (Quelle vie pour les marginalisés ?) How criminals are treated (Comment on traite les criminels) <p>3. Artistic culture in the French-speaking world :</p> <ol style="list-style-type: none"> A culture proud of its heritage (Une culture fière de son patrimoine) Contemporary francophone music (La musique francophone contemporaine) Cinema: the 7th art form (Cinéma : le septième art) <p>4. Aspects of political life in the French-speaking world</p> <ol style="list-style-type: none"> Teenagers, the right to vote and political commitment (Les ados, le droit de vote et l'engagement politique) Demonstrations, strikes – who holds the power? (manifestations, grèves – à qui le pouvoir ?) Politics and immigration (La politique et l'immigration) <p>5. Film : La Haine Mathieu Kassovitz (1995)</p> <p>6. Text : Albert Camus L'étranger</p> <p>7. Individual research project : Students must identify a subject or a key question which is of interest to them and which relates to a country or countries where French is spoken.</p>
Recommended Daily Study Methods	<p>4. <u>The Two Hour Rule</u>: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing.</p> <p>5. <u>The Revision Power Hour</u>: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report)</p>
Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	<ol style="list-style-type: none"> You will be given a study guide to consolidate your knowledge of a specific topic, make sure you complete the specific pages asked by your teacher. You will be given a grammar booklet to revise a particular grammar point, make sure you complete the specific pages asked by your teacher. You can test your knowledge of the vocabulary on Quizzlet, the links will be shared in the Google Classroom. When studying the movie, you can watch it on Youtube : https://www.youtube.com/watch?v=lySWbhZKZIo&t=4351s You will be given 2 study guides when analysing the movie, make sure you complete the specific pages asked by your teacher.
Possible Careers (Motivation):	Careers can include : teacher, tutor, translator, interpreter, marketing, travel and tourism, hospitality, receptionist, management, flight attendant, proofreader (publishing), editor, tour guide, resort staff, consul, ambassador, diplomat, voice-over artist, NGO.

Further Maths

Exam board and website	Edexcel 9FM0
Units covered	Core Maths Paper 1 9FM0/01 Core Maths paper 2 9FM0/02 Further Pure 1 9FM0/3A Further Statistics 1 9FM0/4B
Recommended Daily Study Methods	Dr Frost Maths
Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	Log in to Dr Frost and navigate to the work set. Complete any tasks set. If you are up to date you can move to past paper questions, also on Dr Frost.
Possible Careers (Motivation):	There are so many careers that use Maths! Use this site to get inspired 😊

History

Exam board and website	Aqa - Aqa.org.uk
Units covered	1J British Empire, 2O Weimar & Nazi Germany
Recommended Daily Study Methods	Reading & noting the text book. Creating revision resources throughout the year and regularly testing yourself. Watching youtube videos from history teachers (type in the course details). Creating timelines. Researching on alphahistory.com
Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	History Mind map pack, write-one-things, timelines. Past papers. Students who have really achieved well in History A Level have done two essays per week for each unit. One in each is the minimum. Essentially read books, note them, remember the notes using revision resources and then write lots of essays with the aim of getting feedback from the teacher and redoing them. If you do this process, you will find the A Level exam easy.
Possible Careers (Motivation):	Do the subject you enjoy and you will perform better than you would if you pick a subject you think you should do. History doesn't lead you to a career. Almost all subjects are like this. What you need to be able to do is show employers that you are enthusiastic, motivated and committed. An A grade in any subject can show this. History is regarded as a difficult subject so an A in it looks really good.

Law

<p>Exam board and website</p>	<p>OCR https://www.ocr.org.uk/qualifications/as-and-a-level/law-h018-h418-from-2020/</p>
<p>Units covered</p>	<p>Term 1 SECTION A:</p> <ul style="list-style-type: none"> • Civil courts and other forms of dispute resolution • Criminal courts and lay people <p>Term 1 SECTION B:</p> <ul style="list-style-type: none"> • Rules & Theory of Criminal Liability • General elements of criminal liability <p>Term 2 SECTION A:</p> <ul style="list-style-type: none"> • Legal personnel • Access to Justice <p>Term 2 SECTION B:</p> <ul style="list-style-type: none"> • Non-fatal offences against the person <p>Term 3 SECTION A:</p> <ul style="list-style-type: none"> • Parliamentary law making • Delegated legislation • Statutory interpretation <p>Term 3 SECTION B:</p> <ul style="list-style-type: none"> • Fatal offences against the person <p>Term 4 SECTION A:</p> <ul style="list-style-type: none"> • Judicial precedent • Law reform • European Union law <p>Term 4 SECTION B:</p> <ul style="list-style-type: none"> • Offences against property • General Defences <p>Term 5 SECTION A:</p> <ul style="list-style-type: none"> • Law & Morality • Law & Justice <p>TERM 5 SECTION B:</p> <ul style="list-style-type: none"> • Mental capacity defences • Preliminary Offences <p>Term 6 SECTION A:</p> <ul style="list-style-type: none"> • Law & Society <p>Term 6 SECTION B:</p> <ul style="list-style-type: none"> • Criminal Liability Evaluation
<p>Recommended Daily Study Methods</p>	<ol style="list-style-type: none"> 1. PRE READING: Look at the information you are covering for the next lesson IN ADVANCE (check with your teacher if necessary but it is usually the next chapter of the course textbook on whichever topic you are studying). PRE READING HELPS YOU GET more out of the lesson as you will enter already with knowledge to build on! 2. KNOW YOUR CASES: make a list or set of flash cards for the KEY CASES for each topic studied. Spend 30 minutes each day revising the cases for each topic (use the <i>read it, cover it, say it, write it, check it</i> method) 3. REDUCE & CONSOLIDATE: try and fit the information on last lesson onto a maximum of 3 flashcards or 1 side of A4 - can you reduce it enough and STILL have it make sense? 4. TOPIC MIND MAPS: when you have finished a topic, try and fit the whole thing on an A3 mind map. Put these up in your room and read over them as much as possible!
<p>Independent Study: To be completed continuously throughout the course</p>	<ol style="list-style-type: none"> 1. https://www.flippedlaw.com/ - use this website to watch videos and take notes on the topics you have covered / will cover THIS TERM. There are note

evidenced by end task e.g
summary,notes,self marked past paper,
coursework completion etc

taking templates with each video that you can download and use. You can also use it as revision for topics covered during previous terms
The log in details areas follows
username: law@lilianbaylis.com
password:ILOVELAW1

2. **Watch the following youtube clips to help you better understand the basic principles of criminal law.** Make a mind map for the key elements discussed and ensure you have all the relevant cases discussed in the clips on these.
 - a. **CRIMINAL LIABILITY** <https://youtu.be/R3SKAn93CnU> - introduction
 - b. **ACTUS REUS (2 videos)**
<https://youtu.be/vWUneXx4TH4> -introduction
<https://www.youtube.com/watch?v=ybDjkRnnzo> - omissions\
 - c. **MENS REA (4 videos)**
<https://youtu.be/bcnUo-iloSs> - direct / indirect intention
<https://youtu.be/3nOkItr-SzA> - recklessness
<https://www.youtube.com/watch?v=DiN5hp4fstM> - transferred malice
<https://www.youtube.com/watch?v=3UtrFB9-NY4> - coincidence / contemporaneity rule
 - d. **CAUSATION (3 videos)**
<https://www.youtube.com/watch?v=dUEXhOfh24Y> - factual
<https://www.youtube.com/watch?v=TLIzbBYbsMs> - legal
<https://www.youtube.com/watch?v=COrijLyuPE9I> - intervening acts
 - e. **NON FATAL OFFENCES AGAINST THE PERSON**
<https://www.youtube.com/watch?v=2CO7FoH61Uo>
3. <https://thelawbank.co.uk/> - use this website to look up any topics that you have missing notes on.

4. **EXAM PAPERS** - complete selected questions on topics you are studying OR whole papers . The mark schemes are also included so you can check you have included everything!

PAPER1

 - <https://www.ocr.org.uk/Images/587463-the-legal-system-and-criminal-law.pdf>
 - <https://www.ocr.org.uk/Images/315217-unit-h415-01-the-legal-system-and-criminal-law-sample-assessment-material.pdf>
 - <https://www.ocr.org.uk/Images/468478-the-legal-system-section-a.pdf>
 - <https://www.ocr.org.uk/Images/468479-criminal-law-section-b.pdf>

PAPER 2

 - <https://www.ocr.org.uk/Images/587465-law-making-and-the-law-of-tort.pdf>
 - <https://www.ocr.org.uk/Images/315218-unit-h415-02-law-making-and-the-law-of-tort-sample-assessment-material.pdf>
 - <https://www.ocr.org.uk/Images/468477-law-making-and-the-law-of-tort.pdf>

PAPER 3

 - <https://www.ocr.org.uk/Images/587469-the-nature-of-law-and-the-law-of-contract-.pdf>
 - <https://www.ocr.org.uk/Images/315219-unit-h415-03-further-law-sample-assessment-material.pdf>
 - <https://www.ocr.org.uk/Images/468480-further-law-section-a-the-nature-of-law.pdf>

Possible Careers (Motivation):

Careers can include: Solicitor, Barrister, Judge, Paralegal, Reporter, Criminologist, Civil Service, Marketing, PR, Politics, Business, pretty
<https://www.allaboutcareers.com/careers/industry/law>

Maths

Exam board and website	Edexcel 9MA0
Units covered	Pure Maths 1 9MA0/01 Pure Maths 2 9MA0/02 Statistics and Mechanics 9MA0/03
Recommended Daily Study Methods	Dr Frost Maths
Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	Log in to Dr Frost and navigate to the work set. Complete any tasks set. If you are up to date you can move to past paper questions, also on Dr Frost.
Possible Careers (Motivation):	There are so many careers that use Maths! Use this site to get inspired 😊

Physics

Exam board and website	AQA
Units covered	<p>Core content</p> <ol style="list-style-type: none"> 1 Measurements and their errors 2 Particles and radiation 3 Waves 4 Mechanics and materials 5 Electricity 6 Further mechanics and thermal physics 7 Fields and their consequences 8 Nuclear physics <p>Options</p> <ol style="list-style-type: none"> 9 Astrophysics 10 Medical physics 11 Engineering physics 12 Turning points in physics 13 Electronics <p>Specification</p>
Recommended Daily Study Methods	<p>Watch videos from lessons (posted on Google Classrooms)</p> <p>Memorise answers to recall questions</p> <p>Complete summaries for ALL lessons.</p> <p>Answer at least one exam question per day.</p>
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<p>Completed the summary task for all lessons. (Instructions in Science Roadmap Booklet)</p> <p>Complete and assess summary questions in CGP Revision Guide and Online Textbook (Answers in back of books).</p> <p>Answer end of chapter questions in textbook(ask your teacher for answers) and revision guide (answers in back of book).</p> <p>Check Roadmap for resources and details</p>
Possible Careers (Motivation):	<p>Careers include:</p> <ul style="list-style-type: none"> construction and built environment electrical engineering mechanical engineering applied science computer science engineering information technology

Psychology

Exam board and website	AQA https://www.aqa.org.uk/subjects/psychology/as-and-a-level/psychology-7181-7182												
Units covered	<table border="0"> <tr> <td>Social Influence</td> <td>Issues and Debates</td> </tr> <tr> <td>Memory</td> <td>Cognitive development</td> </tr> <tr> <td>Attachment</td> <td>Schizophrenia</td> </tr> <tr> <td>Psychopathology</td> <td>Aggression</td> </tr> <tr> <td>Approaches</td> <td>Research Methods</td> </tr> <tr> <td>Biopsychology</td> <td></td> </tr> </table>	Social Influence	Issues and Debates	Memory	Cognitive development	Attachment	Schizophrenia	Psychopathology	Aggression	Approaches	Research Methods	Biopsychology	
Social Influence	Issues and Debates												
Memory	Cognitive development												
Attachment	Schizophrenia												
Psychopathology	Aggression												
Approaches	Research Methods												
Biopsychology													
Recommended Daily Study Methods	<ol style="list-style-type: none"> The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. Youtube tutorials: You can use it to watch educational walkthroughs in pretty much all topics, and most will jazz them up a bit to really gain your attention. It's actually pretty fun when you get into it, and it becomes a bit like a personal tutor when you need one. <i>Recommendations: PsychBoost, Tutor2u, RED Psychology</i> The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report) or from Miss Akowe 												
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<p>LBTS6 Psychology Quiz booklets : Practice Questions Paper 1 Practice Questions Paper 2 <i>Tutor2U:</i> All Topics Psychology tutor2u <i>Simply Psychology:</i> Simply Psychology: Study Guides for Psychology Students <i>The Student Room:</i> Category:A Level Psychology Revision Notes <i>BBC iPlayer/All4:</i> <i>Various documentaries relevant to topics across the course - BBC Radio 4 - All in the Mind</i> <i>Psychology Review:</i> Educational Magazines - Psychology Review Magazine <i>Psychology documentaries:</i> Psychology <i>British Psychology Society for useful articles:</i> Advancing BME psychology</p> <p>Design a study focusing on a particular aspect of behaviour that interests you</p>												
Possible Careers (Motivation):	<p>Careers can include: Clinical, Counselling, Education and Forensic psychology. In addition to Physiotherapy, Nursing, Occupational Therapy, Speech Therapy. Consumer psychology, Psychiatry, Neuropsychology, Sports psychology and Social Work.</p>												

Sociology

Exam board and website	<p>AQA https://www.aqa.org.uk/subjects/sociology/as-and-a-level/sociology-7191-7192</p>
Units covered	<p>A-Level exams: Paper 1: Education with Theory and Methods Paper 2: Families and Households PLUS Social Stratification Paper 3: Crime and Deviance with Theory and Methods</p>
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. Pre-reading: Prepare for each class by reading the section of the textbook we are about to go over. Read newspaper articles every week and think about how they relate to what we are studying. Ensure you complete essay preparation sheets when they are set for home learning. 2. Cover, check and practice: Use the flashcards we make in class to test your knowledge - look at the title side of the flashcard and try to recite the information. Then turn it over to check whether you remembered everything. Use the textbook to fill in any knowledge gaps. Next, have a go at some exam questions from the textbook or the AQA website. 3. The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report) or from Mr Toynbee.
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<ul style="list-style-type: none"> - Use these revision materials and links to useful documentaries/articles: https://revisesociology.com/ - More good resources and links: https://thesociologyguy.com/a-level-sociology/ - AQA Sociology past papers: AS and A-level Sociology Assessment resources - Sociology review: Sociology Review Magazine Archive - Reputable YouTube documentaries e.g. https://www.youtube.com/watch?reload=9&v=W1tVtFMKGAY - British Sociological Association: https://www.britisoc.co.uk/ - Society page of The Guardian - lots of articles which you can relate to our topics. Examiners like you to use up to date examples: https://www.theguardian.com/society <p>Write a one page answer to this question considering different views on the topic: <u>Is the nuclear family the best type of family in which to raise children?</u></p>
Possible Careers (Motivation):	<p>Working with the public face to face:</p> <ul style="list-style-type: none"> - Social work, Health and Social Care, Probation Services, Teaching <p>Advertising and marketing:</p> <ul style="list-style-type: none"> - Marketing manager, Advertising director, Social media advertising, Market research <p>Social and market research:</p> <ul style="list-style-type: none"> - Research assistant, Research administrator, Data analyst, Fieldwork interviewer

Spanish

Exam board and website	AQA https://www.aqa.org.uk/subjects/languages/as-and-a-level/spanish-7692
Units covered	<p>1. Aspects of Hispanic society :</p> <ul style="list-style-type: none"> a. Modern and traditional values (Los valores tradicionales y modernos) b. Cyberspace (El ciberespacio) c. Equal rights (La igualdad de los sexos) <p>2. Multiculturalism in Hispanic society :</p> <ul style="list-style-type: none"> a. Immigration (La inmigración) b. Racism (El racismo) c. Integration (La convivencia) <p>3. Artistic culture in the Hispanic world :</p> <ul style="list-style-type: none"> a. Modern day idols (La influencia de los ídolos) b. Spanish regional identity (La identidad regional en España) c. Cultural heritage (El patrimonio cultural) <p>4. Aspects of political life in the Hispanic world</p> <ul style="list-style-type: none"> a. Today's youth, tomorrow's citizens (Jóvenes de hoy, ciudadanos del mañana) b. Monarchies and dictatorships (Monarquías y dictaduras) c. Popular movements (Movimientos populares) <p>5. Film : El laberinto del fauno Guillermo del Toro (2006)</p> <p>6. Text : Laura Esquivel Como agua para chocolate</p> <p>7. Individual research project : Students must identify a subject or a key question which is of interest to them and which relates to a country or countries where Spanish is spoken.</p>
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. <u>The Two Hour Rule</u>: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. <u>The Revision Power Hour</u>: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report)
Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3	<ol style="list-style-type: none"> 1. You will be given a study guide to consolidate your knowledge of a specific topic, make sure you complete the specific pages asked by your teacher. 2. You will be given a grammar booklet to revise a particular grammar point, make sure you complete the specific pages asked by your teacher. 3. You can test your knowledge of the vocabulary on Quizzlet, the links will be shared in the Google Classroom. 4. When studying the movie, you can watch it in the Google Classroom. 5. You will be given 2 study guides when analysing the movie, make sure you complete the specific pages asked by your teacher. 6. You will be given a copy of the book, make sure you read before the lessons. 7. You will be given 2 study guides when analysing the book, make sure you complete the specific pages asked by your teacher. 8. In the Google Classroom, you will find essay practice, model answers and questions, you will be given one essay per week to complete. 9. In the Google Classroom, you will find past papers to practice and revise a particular topic.
Possible Careers (Motivation):	Careers can include : teacher, tutor, translator, interpreter, marketing, travel and tourism, hospitality, receptionist, management, flight attendant, proofreader (publishing), editor, tour guide, resort staff, consul, ambassador, diplomat, voice-over artist, NGO ...

Business BTEC Ext/ Diploma

Exam board and website	<p>PEARSON EDEXCEL https://qualifications.pearson.com/en/qualifications/btec-nationals/business-2016.html</p>
Units covered	<p>Ext Cert Units: 1.Exploring Business 2.Developing a Marketing Campaign 3.Personal and Business Finance 8. Recruitment and Selection Process</p> <p>Diploma Units: 1.Exploring Business 2.Developing a Marketing Campaign 3.Personal and Business Finance 4.Managing an Event 5.International Business 6. Principles of Management 8. Recruitment and Selection Process 17.Digital Marketing</p>
Recommended Daily Study Methods	<p>Tip: The Recommended Text book is your friend- excellent resource!</p> <p>Pearson BTEC National Business Student Book 1 for Units 1, 2,3,4 and 8 Pearson BTEC National Business Student Book 2 for Units 5, 6</p> <p>Learn and complete your coursework in phases (Units 1,4,5,8,17)</p> <ul style="list-style-type: none"> ● Phase 1: You are introduced to a topic or concept in class: start developing an awareness of what learning is required. ● Phase 2: Explore the topic or concept through different methods (e.g go over class notes & materials in google classroom, go over the topic in the relevant pages of the student textbook, research online, deep thinking, critical evaluation)and form your own understanding of the topic ● Phase 3: Apply your knowledge and skills to a task (see your Assignment Brief/Coursework tasks given by your teacher) ● Phase 4: Reflect on your learning, evaluate your efforts, identify gaps in your knowledge and look ● for ways to improve and meet deadlines ● COURSEWORK CORRECTIONS! <i>if you have them, do them!</i> <p>Exam units (2,3,6)</p> <ol style="list-style-type: none"> 1. The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report) or from your teacher
Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes,self marked past paper, coursework completion etc	<ul style="list-style-type: none"> ● Exam Practice Booklet: BTEC National Business Unit 3: Calculation Practice Book for Business Finance ● BTEC National past papers: https://qualifications.pearson.com/en/qualifications/btec-nationals/business-2016.coursematerials.html#%2FfilterQuery=category:Pearson-UK:Category%2FExternal-assessments ● Tutor2U: https://www.tutor2u.net/business/blog ● The Student Room: https://www.thestudentroom.co.uk/showthread.php?t=2705841 ● BBC iPlayer/All4: Various documentaries relevant to topics across the course: https://www.bbc.co.uk/programmes/b05y1cgd https://www.bbc.co.uk/programmes/b006s609 ● Business Review: https://www.hoddereducation.co.uk/subjects/business-and-accounting/pr

<p>Year 12: To be completed by Week 3</p>	<p>oducts/16-18/business-review-emagazine-volume-27,-2020-21</p> <ul style="list-style-type: none"> • <i>Enterprise documentaries:</i> http://www.bbc.co.uk/dragonsden/entrepreneurs/ <p>Complete Assignment 1 of Unit 1: Exploring Business</p>
<p>Possible Careers (Motivation):</p>	<p>Business Owner/Entrepreneur, Banking, Accountant, Business adviser, Consultant, Corporate investment banker, Data scientist, Stock market analyst, Human resources adviser, Marketing executive, Mortgage adviser, Project manager, Sales executive, Teacher or lecturer, Sales Rep, International Business Adviser, United nations roles</p>

ICT

Exam board and website	Pearson https://qualifications.pearson.com/en/qualifications/btec-nationals/information-technology-2016.html
Units covered	Unit 1. Information Technology Systems Unit 2. Creating Systems to Manage Information Unit 3. Using Social Media in Business Unit 6. Website development
Recommended Daily Study Methods	<ol style="list-style-type: none"> 1. The Two Hour Rule: The general rule is that for every hour of time you spend in class, you should spend two hours of your own time studying the material. So for each 75 mins lesson I suggest 1hr before lesson (pre-reading), 1hr after lesson and 30 mins testing. 2. The Revision Power Hour: Choose a past paper - Revise topics (20 mins) - Do related questions (20 mins) - Mark your answer (mark scheme) - Get feedback (examiner's report)
Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes,self marked past paper, coursework completion etc Year 12: To be completed by Week 3	<ul style="list-style-type: none"> ● HTML & CSS tasks ● https://www.khanacademy.org/computing/computer-programming/html-css ● SQL Tasks ● https://www.khanacademy.org/computing/computer-programming/sql ● Javascript tasks ● https://www.khanacademy.org/computing/computer-programming/html-css-js ● Exam revision and testing ● https://www.knowitallninja.com/
Possible Careers (Motivation):	<ul style="list-style-type: none"> ● Mobile app developer ● 3D Animation and modelling programmer ● Software developer ● Games Developers (Xbox, PlayStation) ● Movie special effects designer ● Web programmer ● Tech finance developer ● Database Architect ● Network Engineer ● Data scientist ● Freelancer (Work from home) ● System analyst or Tester ● Hardware technician ● Tech Sales rep ● Technical Support ● Cyber Security analyst ● Computer Science Lecturer ● Project Manager

Media

Exam board and website	https://qualifications.pearson.com/en/qualifications/btec-nationals/creative-digital-media-production-2016.html
Units covered	3 - Synoptic Responding to a Client Brief (External) 10 - Film Fiction
Recommended Daily Study Methods	<p>Regular practice of analysing and evaluating the impact of technical elements. Link a technical element to any genre and study its conventions.</p> <p>Camera language conventions in crime dramas Sound in horror films Lighting in Sci-Fi Editing in documentaries Mise-en-scene in historical dramas SFX</p> <p>Regular recaps of ALL theories studied in Y12 - Todorov, Barthes, Levi-Strauss by applying them to new texts. These texts DO NOT have to be films. Can you apply them to non-fiction texts such as national newspapers/glossy magazines for example</p> <p>https://courses.lumenlearning.com/introliterature/chapter/how-to-analyze-a-film/ https://www.imdb.com/list/ls066939061/</p>
<p>Independent Study: To be completed continuously throughout the course Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc Year 12: To be completed by Week 3</p>	<p>Preparation for Unit 3 - Mandatory Synoptic Unit</p> <p>Your externally assessed unit at the end of Y13 will require you to read and understand a client brief before planning, filming and editing a final piece.</p> <p>How would plan for:</p> <p>An online video promoting the local sports centre A music video for an up and coming Grime artist An instructional video for Primary school children about healthy eating A video diary of an event at school (Sports Day/Summer Concert etc) A documentary on the BLM movement A documentary on the alt-right movement A look at how Britain will be in five years time (interviews with experts etc.)</p> <p>YOU WILL BE RESPONDING TO THE 'VIDEO' OPTION OF THE BRIEF!</p> <p>Click the links below for an example brief and a short guide to planning for your exam.</p> <p>https://www.youtube.com/watch?reload=9&v=l-LtVBKs39w https://www.slideshare.net/RomillyWalden/2018-sample-unit-3-digital-media-skills</p>
Possible Careers (Motivation):	<p>Runner/Film Producer/Production Assistant/Audio-Visual Editor/Location Manager/Cameraperson/Cinematographer/Lighting Technician/Researcher/Scriptwriter/Script editor/Hair and Make-up/Gaffer/Grip/Actor</p> <p>Learn more about these roles and many more through the below link</p> <p>https://www.careersinfilm.com/film-careers/</p>

Sports Year 12 - EXT. Certificate

Exam board and website	https://qualifications.pearson.com/en/qualifications/btec-nationals/sport-2016.html
Units covered	Unit 1, Unit 2, Unit 3 and STUDENT CHOICE
Recommended Daily Study Methods	<p>Unit 1: Exam - revise little and often creating mind maps and flash cards before answering short then medium and finally long answer questions</p> <p>Unit 2: Controlled Assessment - Add to your notes and reduce the information. Ensure that you are able to expand upon the key points and actually apply your knowledge to the exam question</p> <p>Unit 3 and Unit ? - Coursework unit. Ensure that you are regularly completing H/L so that every deadline has been met. Use the assignment brief to understand when and what needs to be done ensuring that all of the lexical terms have been explained.</p>
<p>Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task</u> e.g summary notes, self marked past paper, coursework completion etc</p> <p>Year 12: To be completed by Week 3</p>	<p><u>Unit 1 - A and P (Exam January 2021)</u></p> <p><u>Skeletal System</u></p> <p>To remember all of the bones in the appendicular and axial skeleton To remember the regions of the vertebral column To identify where each bone is located To identify each part of the vertebral column To classify the different types of bones To understand the different functions of the skeleton To apply this knowledge to short answer exam questions and quiz questions</p> <p>Also, students must ensure that any lessons that have been missed have been caught up</p>
Possible Careers (Motivation):	https://docs.google.com/presentation/d/1srUfI0_X5sJH8DrH5GASGxMirAH0SqfKAuUYOKD7IIa8/edit#slide=id.g5c9dab9413_0_267

Sport Year 13 - DIPLOMA

Exam board and website	https://qualifications.pearson.com/en/qualifications/btec-nationals/sport-2016.html
Units covered	Unit 1, Unit 2, Unit 3, Unit 4, unit 5, unit 6, Unit 22, Unit 23,
Recommended Daily Study Methods	<p>Unit 1: Exam - revise little and often creating mind maps and flash cards before answering short then medium and finally long answer questions</p> <p>Unit 2 and 22: Controlled Assessment - Add to your notes and reduce the information. Ensure that you are able to expand upon the key points and actually apply your knowledge to the exam question</p> <p>All remaining coursework units, - Coursework unit. Ensure that you are regularly completing H/L so that every deadline has been met. Use the assignment brief to understand when and what needs to be done ensuring that all of the lexical terms have been explained.</p>

<p>Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</u> Year 12: To be completed by Week 3</p>	<p><u>Controlled Assessments (Jan 2021)</u></p> <p><u>Unit 2 - Fitness Training and Programming for Health, Sport and Well-being (Assessment Jan 2021)</u></p> <ol style="list-style-type: none"> 1) Produce a training programme that demonstrates knowledge and understanding of lifestyle factors, nutritional needs and health screening data in the context of the individual in the scenario, 2) Provide a justification and application of relevant research for the training programme. 3) Recommend nutritional strategies and behavioural modification activities that are specific, demonstrating a thorough understanding of interrelationships between the health, fitness and well-being needs of the client. 4) Provide recommendations will show an analytical approach, containing sustained lines of argument leading to a cohesive training programme that is entirely relevant in the wider context of fitness training principles. <p><u>Unit 22</u> The assessment test is in two parts. Part A will contain a case study based on a fictional fitness club that requires a review of its business model and a detailed set of recommendations for how to improve it. This will be released to you a set period of time before</p> <p>Part B which includes supplementary stimulus information building on the scenario information in Part A</p> <p><u>Assessment outcomes</u></p> <p>AO1 Demonstrate knowledge and understanding of sport and active leisure business operations and how to respond to trends and internal and external influences</p> <p>AO2 Analyse and interpret business information and data, and their potential impact and influence on a sport and active leisure business</p> <p>AO3 Evaluate evidence to make informed judgements on how a sport and active leisure business should be developed, diversified or adapted</p> <p>AO4 Be able to make justified recommendations for a sport and active leisure business, synthesising ideas and evidence from several sources to support arguments</p> <p>Also, students must ensure that any lessons that have been missed have been caught up</p>
<p>Possible Careers (Motivation):</p>	<p>https://docs.google.com/presentation/d/1srUfi0_X5sJH8DrH5GASGxMrAH0SqfKAuUYOKD7lLa8/edit#slide=id.g5c9dab9413_0_267</p>

Health and Social Care Year 12 - EXT. Certificate

Exam board and website	https://qualifications.pearson.com/en/qualifications/btec-nationals/health-and-social-care-2016.html
Units covered	Unit 1, Unit 2, Unit 5 and STUDENT CHOICE
Recommended Daily Study Methods	<p>Unit 1 and Unit 2: Exam - revise little and often creating mind maps and flash cards before answering short then medium and finally long answer questions</p> <p>Unit 5 and Unit ? - Coursework unit. Ensure that you are regularly completing H/L so that every deadline has been met. Use the assignment brief to understand when and what needs to be done ensuring that all of the lexical terms have been explained.</p>
<p>Independent Study: To be completed continuously throughout the course <u>Each study session evidenced by end task e.g summary notes, self marked past paper, coursework completion etc</u> Year 12: To be completed by Week 3</p>	<p><u>Unit 1 - Human Lifespan Development (EXAM - January 2021)</u></p> <p>Produce revision materials for:</p> <ul style="list-style-type: none"> o principles of growth – growth is variable across different parts of the body and is measured using height, weight and dimensions o principles of development – development follows an orderly sequence and is the acquisition of skills and abilities. <p>Growth and Development in different stages:</p> <ul style="list-style-type: none"> • In infancy (0–2 years), the individual develops gross and fine motor skills: <ul style="list-style-type: none"> o the development of gross motor skills o the development of fine motor skills milestones set for the development of the infant – sitting up, standing, cruising, walking. • In early childhood (3–8 years), the individual further develops gross and fine motor skills: <ul style="list-style-type: none"> o riding a tricycle, running forwards and backwards, walking on a line, hopping on one foot, hops, skips and jumps confidently o turns pages of a book, buttons and unbuttons clothing, writes own name, joins up writing. • In adolescence (9–18 years), the changes surrounding puberty: <ul style="list-style-type: none"> o development of primary and secondary sexual characteristics o the role of hormones in sexual maturity. • In early adulthood (19–45 years), the individual reaches physical maturity: <ul style="list-style-type: none"> o physical strength peaks, pregnancy and lactation occur o perimenopause – oestrogen levels decrease, causing the ovaries to stop producing an egg each month. The reduction in oestrogen causes physical and emotional symptoms, to include hot flushes, night sweats, mood swings, loss of libido and vaginal dryness. • In middle adulthood (46–65 years), the female enters menopause: <ul style="list-style-type: none"> o causes and effects of female menopause and the role of hormones in this o effects of the ageing process in middle adulthood. • In later adulthood (65+ years), there are many effects of ageing: <ul style="list-style-type: none"> o health and intellectual abilities can deteriorate <p>Use this booklet:</p> <p>https://docs.google.com/document/d/1aWCwbDZtbA0RIMi4eQcSUvPMB0Ic_yjtN_DhyBy987Y/edit</p> <p>Also, students must ensure that any lessons that have been missed have been caught up</p>

Possible Careers (Motivation):

https://docs.google.com/presentation/d/1882X_dCHkCqfnyTqO2rkwOiUnzQCpZOLS6J5gfgcWfs/edit