



Aim High Study Progress Programme
Year 11
March 2022

| Area for learning | Focus | Activities | Useful Websites/Apps |
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| English 1st Language | <ul style="list-style-type: none"> To revise techniques and formats of writing tasks in lieu of the coming exams. | <ul style="list-style-type: none"> Watch the movie A beautiful mind and attempt the following. Write a descriptive piece on any one scene of your choice. Write a narrative piece by changing any one act of the movie Imagine that you are Russell Ira Crowe, write an interview based on your experience during the making of the movie. Write a journal entry from John Nash's viewpoint. | http://viooz.co/movies/1473-a-beautiful-mind-2001.html |
| English 2nd Language | <ul style="list-style-type: none"> To be able to develop academic vocabulary. To develop effective article writing skills. | <ul style="list-style-type: none"> Encourage the student to have his or her own blog. There are several free blog sites that make it easy to get started. Writing for an audience gives kids a meaningful purpose — a reason to use their developing reading and writing skills. | http://www.quickanddirtytips.com/business-career/public-speaking/how-to-improve-listening-skills http://englishteststore.net/index.php?option=com_content&view |



Aim High Study Progress Programme
Year 11
March 2022

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| | <ul style="list-style-type: none"> To develop complex sentence structure. To structure a paragraph focusing on effective P.E.E. | <ul style="list-style-type: none"> Build a climate of words at home. Share experiences and rich talk about those experiences. The basis of good writing is good talk. Indulge in discussion with the student on various topics for example <ul style="list-style-type: none"> ➤ Is developing nuclear energy for commercial use justified? ➤ Is censoring the media effective? ➤ Should all students have an after school job? ➤ Homework should be banned. <p>Ask the students to research more on the topics and draw mind maps based on his/her findings. Give your feedback and then prompt him to write an article giving a suitable title.</p> | <p>=article&id=11388&Itemid=389 http://learnrealenglish.com/7-steps-to-learning-english?gclid=CP3EotTplsCFYIF3godcWoA8g http://esl.about.com/od/intermediate/listenin1/a/How-To-Practice-English-Listening-Comprehension-Skills.htm http://esl.about.com/od/speaking/english/a/sta_conv.htm http://esl.about.com/od/englishlistening.com</p> |
| English Literature | <ul style="list-style-type: none"> To analyse the literary background of writers from Australia and New Zealand. | <p>Research on the following:</p> <ul style="list-style-type: none"> Aboriginals and Maoris – their history and cultural practices. | <p>https://history.stackexchange.com/questions/19256/did-the-aborigines-of-australia-</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | | <ul style="list-style-type: none"> • The original inhabitants of Australia and New Zealand. • The early settlers of Australia and New Zealand. • The suppression and repression of the natives. • The current status of the natives in Australia and New Zealand. | <p>and-the-maoris-in-new-zealand-know-about-each-ot</p> <p>https://www.economist.com/international/2018/12/01/why-new-zealands-maori-do-better-than-australias-aboriginals</p> |
| Mathematics (Add) | <p><u>DIFFERENTIATION</u></p> <ul style="list-style-type: none"> • Calculate the gradient at a point on a curve, given its equation • Find the equations of the tangent and normal to a curve at a point. • Locate maximum and minimum points on the graph | <ul style="list-style-type: none"> • Make a list of derivatives of simple functions • Research on the applications of differentiation. • How do you find maximum and minimum points using differentiation? • Make notes to summarize learning that includes solved examples. | <p>http://www.classzone.com/eservices/home/pdf/student/LA210AAD.pdf</p> <p>http://www.mathplanet.com/education/algebra-1/radical-expressions/the-distance-and-midpoint-formulas</p> <p>https://www.sophia.org/concepts/midpoint-formula-in-the-real-world</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | <ul style="list-style-type: none"> • Interpret a derivative as a rate of change of one variable with respect to another. • Apply differentiation to rates of change • Use second derivatives to distinguish minimum and maximum points | | <p>http://www.warrick.k12.in.us/schools/castlesouth/docs/Math/Algebra/Alg%201%2012.6%20pg%20748.pdf</p> <p>https://www.chegg.com/tutors/what-are-Distance-and-Midpoint-Formulas/</p> <p>https://www.bbc.com/bitesize/guides/zyj77ty/revision/1</p> <p>https://revisionmaths.com/advanced-level-maths-revision/pure-maths/calculus/differentiation</p> |
| <p>Mathematics (Extended)</p> | <p>VECTORS Learning objective:</p> <ul style="list-style-type: none"> • To add vectors and multiply a vector by a scalar. | <ul style="list-style-type: none"> • Create a lapbook as a learning tool on Vectors • Research on how vectors are applied to real life • Research on the motion of a projectile using vectors | <p>Vectors: Magnitude IGCSE MATH (0580) PAST PAPER QUESTIONS - YouTube</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | <ul style="list-style-type: none">To calculate the position vectorsTo express given vectors in terms of coplanar vectors. <p>GRAPHS Learning objective:</p> <ul style="list-style-type: none">To solve an equation from the graph by drawing required line.To draw quadratic, cubic and exponential graphs for the given equationsTo draw the tangent to the curve and estimate the gradient. | <ul style="list-style-type: none">Research on the application of quadratic graphs in calculating areas, determining a product's profit or formulating the speed of an object. | <p>https://www.youtube.com/watch?v=i0bsXUTbFa8</p> <p>https://www.youtube.com/watch?v=bt-xg3bl3jc</p> <p>https://www.youtube.com/watch?v=MohoNL5BuZ8&t=520s</p> <p>https://www.youtube.com/watch?v=lyYHsKRC7os&t=16s</p> <p>https://www.youtube.com/watch?v=pG1JHsFi6cQ</p> |
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Aim High Study Progress Programme
Year 11
March 2022

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| Physics | <ul style="list-style-type: none">Revision for IGCSE Examination topics | <ul style="list-style-type: none">Revise the following topics in preparation for Year 11 IGCSE Exams:<ol style="list-style-type: none">MeasurementForce and Moment of ForceWork, energy and powerSoundLightWavesAtom and radioactivityStatic and Current ElectricityElectromagnetismThermal PhysicsAccess past papers and mark scheme on the links provided and answer relevant questions. | <p>https://physics.info/motion https://www.bbc.com/education/guides/zyytmp3/revision/1 https://www.youtube.com/watch?v=rQBH_laxIM0 https://www.britannica.com/science/energy https://www.conserve-energy-future.com/different-energy-sources.php www.edinformatics.com/math_science/work_energy_power.html www.bbc.co.uk/schools/gcse/bitesize/science/add_ocr_pre.../lightandsoundrev1.shtml http://www.physicsclassroom.com/class/waves</p> |
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Aim High Study Progress Programme
Year 11
March 2022

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| | | | https://atomic.lindahall.org/what-is-an-atom.html http://hyperphysics.phy-astr.gsu.edu/hbase/Nuclear/radact.html |
| Chemistry | Topics: Revision on <ul style="list-style-type: none">• Chemical bonding• Acids and bases.• Organic chemistry: Alcohols and carboxylic acids• Polymers: Condensation and addition polymers• Electrochemistry | <ul style="list-style-type: none">• Create a revision notes using the key terms for the following topics.• To distinguish between covalent and ionic bonding.• Compare simple covalent compounds with giant covalent compounds.• To elaborate the different methods of salt preparation.• To compare acidic, basic, neutral and amphoteric oxides.• To compare and elaborate the 2 methods of making of alcohol.• To write the balanced chemical equations for reactions of alcohols and carboxylic acids.• To compare and contrast, draw condensation and addition polymerisation. | https://www.youtube.com/watch?v=HHT0S2Tpi8Q https://www.youtube.com/watch?v=9zdKq2-6Qm8 https://www.youtube.com/watch?v=ql0Sm31MUdA https://www.youtube.com/watch?v=lpM_VCMPFug https://www.youtube.com/watch?v=3YeXGpDdgZw https://www.youtube.com/watch?v=vWBf9s56H7E |



Aim High Study Progress Programme
Year 11
March 2022

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| | | <ul style="list-style-type: none">To predict the product for molten, aqueous, dilute and concentrated solutions. | <p>https://www.youtube.com/watch?v=-d14DmSBuAQ https://www.youtube.com/watch?v=VKmdYYPexbs&t=25s https://www.youtube.com/watch?v=7ullq_Ofzgw https://www.youtube.com/watch?v=87K8QsMI8nc</p> |
| Biology | <p><u>Control & coordination</u></p> <ul style="list-style-type: none">Describe the structure and function of the eye including accommodation and pupil reflexCorrelate the significance of synapse and types of neurotransmitters. <p><u>Biotechnology</u></p> | <ul style="list-style-type: none">Create a simulation to explain synapse and the transmission of electrical impulse across. | <p>https://www.youtube.com/watch?v=Uk0U16uZpPA https://www.youtube.com/watch?v=yxjJQ3VogMQ</p> <p>https://www.youtube.com/watch?v=Equ4MSIPVwY</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | <ul style="list-style-type: none">Outline the procedure involved in creating genetically modified organism using restriction enzymes. <p><u>Excretion and Homeostasis</u></p> <ul style="list-style-type: none">Outline the structure and functioning of a kidney tubule including the role of the glomerulus in the filtration from the blood of water, glucose, urea and salts.Explain dialysis in terms of salt balance, the maintenance of glucose concentration | <ul style="list-style-type: none">Schematically illustrate the importance of restriction Enzymes and ligase in genetic engineeringElaborate on the functioning of dialysis. (Include the important processes involved and the diagrams).Discuss the advantages & disadvantages of dialysis and kidney transplant. | <p>Revision – kidney failure: www.s-cool.co.uk/gcse/biology/homeostasis/revise-it/dealing-with-kidney-failure</p> |
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Aim High Study Progress Programme
Year 11
March 2022

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| | and the removal of urea. | | |
| Food and Nutrition | <ul style="list-style-type: none"> Revision of all topics in the syllabus. | <ul style="list-style-type: none"> An understanding of the terms used in nutrition and nutrition-related problems Nutritive value of foods Digestion and absorption Meal planning and dietary guidelines Composition and value of the main foods in the diet Cooking of food Basic proportions and methods of making Raising agents Food spoilage and hygiene in the handling and storage of food Food preservation Kitchen planning Kitchen equipment Kitchen safety, simple first aid | http://www.eatingwell.com/category/4287/meal-planning-101/ http://youtu.be/S12zZhdOckC bit.ly/use-by-or-best-before http://practicalaction.org/technical-briefs-schools-food practicalaction.org/zeer-pot-fridge http://youtu.be/ZNKifJHqScc practicalaction.org/solar-drying-2 https://greatist.com/eat/ultimate-list-kitchen-tools-healthy-cooking |



Aim High Study Progress Programme
Year 11
March 2022

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| Economics | <ul style="list-style-type: none"> To consolidate all the IGCSE topics covered so far | <p>Topic based revision</p> <p>Unit 1, 2, 5&6</p> <p>0455/22/O/N/2017</p> <p>0455/23/O/N/2020</p> <p>0455/12/O/N/2020</p> <p>0455/12/M/J/2020</p> | <p>https://www.tutor2u.net/economics</p> <p>https://s-cool.co.uk/</p> <p>https://www.sparknotes.com/economics/</p> <p>http://pinkmonkey.com/studyguides/subjects/eco/contents.asp</p> |
| Accounting | <ul style="list-style-type: none"> Analysis and Interpretation- To interpret and calculate the profitability, liquidity and efficiency ratios to carry out inter-firm comparisons. | <p>Calculate and analyse the performance of any two businesses in Dubai based on their profitability and liquidity ratios.</p> <p>You are required to calculate the following ratios –</p> <ol style="list-style-type: none"> GP ratio NP ratio ROCE Current ratio Acid test ratio Stock turnover in days Debtors turnover in days | <p>www.bized.co.uk</p> <p>www.cie.org.uk</p> <p>www.xtermepapers.net</p> <p>www.tutor2n.net</p> <p>Text Book</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | | <p>8. Creditors turnover in days</p> <p>Present your findings in a tabular format showing the values of each ratio calculated for the selected firms.</p> <p>Present in a report form, the interpretation and comparisons of the ratios for the selected firms.</p> | |
| <p>Business Studies</p> | <p>Revision and recapitulation done simultaneously.</p> <p><u>Analysis of Accounts:</u></p> <ul style="list-style-type: none"> To analyse and demonstrate the working of accounting in business To be able to compute/calculate the financial position of a business organization. | <p>Revise Full Business Finance- Unit-5</p> <p><u>Categorized past paper:</u></p> <p>5 years past paper [yr-2011 to 2015] questions on the unit "Finance"</p> <p>Can complete in 5days mid-term break</p> <p>0450/12/May/June/2017 0450/22/Feb/March/2018 0450/12/Oct/Nov/2018 0450/22/Oct/Nov/2019 0450/12/May/June/2019 0450/22/May/June/2019</p> | <p>www.bized.co.uk</p> <p>www.cie.org.uk</p> <p>Papacambridge0450</p> |



Aim High Study Progress Programme
Year 11
March 2022

| | | | |
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| Travel and Tourism | <ul style="list-style-type: none"> • Different Time Zones and Climates • Marketing and promotion | <ul style="list-style-type: none"> • Demonstrate knowledge of the main global features • Demonstrate awareness of different time zones and climate • Role and function of marketing and promotion • Market segmentation and targeting • Marketing Mix • The provision of tourist products and services | Tourist Information centre Local travel Magazines Textbook igcse past question papers |
| Sociology | <ul style="list-style-type: none"> • Will be able to analyse and critically evaluate the sociological perspectives of Media. | To solve the past paper: 0495/M/J/2018-21 0495/M/J/2019-22 0495/O/N/2021-13 | Cambridge IGCSE Sociology Textbook. |
| Psychology | <ul style="list-style-type: none"> • To investigate and evaluate the strategies to use when approaching extended writing questions. | To solve the 9-mark essay questions from the GCSE Pearson past papers | GCSE Edexcel Psychology text Book |



Aim High Study Progress Programme
Year 11
March 2022

| | | | |
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| Geography | <ul style="list-style-type: none"> To be able to analyse how energy is supplied and identify the different sources of energy. To be able to analyse the demand and supply of water. | To solve past paper. 0460_s20_qp_12 0460_w16_qp_12 | Cambridge IGCSE Geography Textbook. |
| History | Revision : Paper 1 Paper2 Paper 4 | To solve past paper. 0470_s10_qp_22 0470_s19_qp_12 0470_s18_qp_11 0470_s19_qp_42 0470_s20_qp_42 0460_w18_qp_41 | <ul style="list-style-type: none"> ○ GCSE Bitesize History ○ School History ○ GCSE Modern World History ○ Mr Allsop History ○ Project GCSE ○ Revision World: GCSE History ○ Schools history |



Aim High Study Progress Programme
Year 11
March 2022

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| Global Perspectives | <ul style="list-style-type: none"> TEAM PROJECT REFLECTIVE PAPER | <p>1. Use the reflective paper resources in the phoenix class folder and the feedback provided to write your final Reflective paper.</p> <p>The reflective paper should focus on the following areas:</p> <ul style="list-style-type: none"> personal research and work process; effectiveness of the outcome in meeting the project aim, Learning from different cultural perspectives on this issue Personal learning about Collaboration and own performance (contribution) as a team member, overall learning from carrying out the project <p>2. Access March 2019 IGCSE Paper 11 and answer 3 and 4.</p> | <p>As chosen by student.</p> <p>https://pastpapers.co/cie/?dir=IGCSE</p> |
| Environmental Management | REVISION | <p>Revise Chapter 2-Energy and environment And Chapter 3-Agriculture and the environment. Access and attempt 2019 March, June and November papers 11, 12, 21 and 22.</p> | <p>https://pastpapers.co/cie/?dir=IGCSE</p> |
| ICT | <p>Topic: Microprocessors in controlling devices</p> | <p>Help your child to research on the various range of measuring applications used around us. Create a report, specifying following concepts:</p> | <p>https://www.igcseict.info/theory/2/sensor/index.html</p> |

Aim High Study Progress Programme
Year 11
March 2022

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| | <p><u>Learning Objective:</u></p> <ul style="list-style-type: none"> To describe a range of measurement applications To explain the need for conversion between analogue and digital data To describe the use of microprocessors and computers in a number of applications <ul style="list-style-type: none"> To discuss the advantages and disadvantages of using computers in measurement rather than humans. | <ul style="list-style-type: none"> Explain various measurement and controlling applications (medical field-Heart rate monitor) Explain the need for conversion between analogue and digital data Describe the use of microprocessors and computers in a greenhouse environment Explain in detail how a microprocessor is working in Automatic street light. Inspect how a microprocessor can act as both a monitoring and controlling system. | https://www.teach-ict.com/gcse_new/control/control/asks_control.htm |
| Computer Science | <p>Topic: Security and ethics</p> | <ul style="list-style-type: none"> Support your child to link to a research about any famous cyber attack . | https://www.veracode.com/blog/2012/10/common-malware-types-cybersecurity-101 |



Aim High Study Progress Programme
Year 11
March 2022

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| | <p>Learning Objective:</p> <ul style="list-style-type: none">• Students infer the need to keep data safe from accidental damage, including corruption and human errors.• Students explain the need to keep data safe from unauthorised viewing, deleting, copying and corruption.• Students to understand the importance of passwords, firewalls. | <ul style="list-style-type: none">• Motivate your child to create presentation on different security risks including consequences and prevention methods.• Encourage your child to do create report on SSL and TLS protocol.• Talk to your child about preventing different form of malware with real life examples. | |
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Aim High Study Progress Programme
Year 11
March 2022

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| Physical Education | <ul style="list-style-type: none"> • Social, cultural and ethical influences • Past papers | <ul style="list-style-type: none"> • Leisure and recreation • Growth in leisure activities • The sports development pyramid • Sponsorship, media, technology and global events • Professional and amateur performers • Factors affecting access and participation in physical activities. • PED's, Blood doping and disadvantages of PED's • Sportsmanship and gamesmanship • Risk, Risk assessment and injuries | www.bbc.co.uk www.teachpe.com |
| Art | FINAL PORTFOLIO CHECK | <ul style="list-style-type: none"> • To check the Portfolio shows personal vision and commitment through an interpretative and creative response and to present an informed response through personal evaluation, reflection and critical thinking. | www.studentartguide.com |



Aim High Study Progress Programme
Year 11
March 2022

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| French | <ul style="list-style-type: none">To emphasize the 4 skills (reading/ writing/ listening and speaking) | Students needs to complete all the past exam papers : Specimen 2021 : (June/March/November) : https://papers.gceguide.com/Cambridge%20IGCSE/French%20-%20Foreign%20Language%20(0520)/2021/ | https://www.librinova.com/blog/2019/05/10/ameliorer-style-ecriture/ https://www.masteryourfrench.com/fr/comment/ameliorer-prononciation-en-francais/ https://fr.wikihow.com/am%C3%A9liorer-sa-compr%C3%A9hension-%C3%A9crite https://www.masteryourfrench.com/fr/comment/ameliorer-sa-comprehension-orale/ |
| Arabic (Arabs) | اسم الآلة: TOPIC: Learning objectives: أن يميز اسم الآلة أن يوظف اسم الآلة . | يحدد اسم الآلة في الجمل يكتب فقرة من إنشائه مستخدمًا اسم الآلة يستنتج الفكرة الرئيسية والأفكار الفرعية مع ذكر الدليل | https://www.youtube.com/watch?v=POTqyBpD-AQ |

Aim High Study Progress Programme
Year 11
March 2022

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| | <p style="text-align: center;">TOPIC كتاب رؤيتي</p> <p style="text-align: center;">Learning objectives</p> <p>أن يحدد الطالب الفكرة الرئيسية والأفكار الفرعية مع ذكر الدليل . أن يحلل الطالب النص تحليلاً أدبيًا أن يبدي الطالب رأيه في القضية التي يعرضها الكاتب</p> <p style="text-align: center;">TOPIC التشبيه التمثيلي</p> <p style="text-align: center;">Learning objectives</p> <p>أن يميز الطالب التشبيه التمثيلي أن يوظف الطالب التشبيه التمثيلي</p> | <p style="text-align: center;">يوضح مواطن الجمال والأساليب البلاغية يفسر الطالب معاني المفردات الجديدة وفق سياقها في النص يبدي رأيه في القضية التي يعرضها الكاتب</p> <p style="text-align: center;">ستخرج التشبيه التمثيلي في الجمل يكتب فقرة من إنشائه مستخدمًا التشبيه التمثيلي</p> | <p>https://www.youtube.com/watch?v=SxfMYeil7lg</p> <p>https://www.youtube.com/watch?v=Oxy4vJwcKes</p> |
| <p>Islamic Education (Arabs)</p> | <p>TOPIC: - المتواتر والأحاد - آداب الحوار -</p> <p style="text-align: center;">Learning objectives:</p> <p>يتعرف آداب الحديث والحوار</p> | <p style="text-align: center;">يكتب بحثًا عن آداب الحوار</p> <p>يكتب موضوعًا عن آفات الحوار</p> <p>يحلل فوائد الاصغاء والاستماع</p> | <p>https://www.youtube.com/watch?v=IKl1SkELeVY</p> <p>https://www.youtube.com/watch?v=n-o_H7Cmnw</p> |

Aim High Study Progress Programme
Year 11
March 2022

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| | <p>يستنتج آداب الاستماع وفوائد الإصغاء يستنبط آفات الحوار</p> <p>يبيد رأيه حول آفات الحوار</p> <p>يميز بين أنواع الحديث الاحاد يستنبط جهود العلماء في اجتهادهم في راسة الاسناد</p> | <p>يكتب موضوعا عن المتواتر والأحاد</p> | |
| <p>Islamic Education (Non Arabs)</p> | <p>TOPIC: (Authentic, Good, Weak) Hadith. Shura in Islam</p> <p>Learning objectives:</p> <ul style="list-style-type: none"> To explain the categories of hadith. To clarify the difference between hadith Sahih, Hasan and Da'eif. | <ul style="list-style-type: none"> Students will write researches about the importance of being able to differentiate between the categories of hadith. Students will use sunnah website to define the category of some hadiths. Students will write essay about how to apply Shura nowadays. Students will collaborate to make a video showing the effects of applying Shura to the individual and the society. | <p>https://www.youtube.com/watch?v=ijvvK_f7vL0</p> <p>https://www.youtube.com/watch?v=uDCPr-I81XA</p> |



Aim High Study Progress Programme
Year 11
March 2022

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| | <ul style="list-style-type: none">• To criticize the news that come to him/her through the knowledge of hadith• To demonstrate the hazards of circulating Mawdu' Hadith to the individual and the society.• To clarify the meaning of Shura.• To infer the evidences of Shura.• To analyse the qualities of Shura showing its effects on the individual and the society. | | |
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Aim High Study Progress Programme
Year 11
March 2022

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Aim High Study Progress Programme
Year 11
March 2022

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| Moral Education | <ul style="list-style-type: none">• Provide a written definition with at least two examples to show what is meant by the term 'core values'.• Give at least three values and perspectives of others as a Responsible Adult and comment on each.• Explain two differences between being an adult and being a responsible adult. | <ul style="list-style-type: none">• Match statements with either being an Adult or a Responsible Adult• Each group will be assigned a key quality to explore, and will be asked to deliver the information learned in the form of a poster, sketch or presentation on their assigned key quality to the rest of the class. | https://www.youtube.com/watch?v=d5519365JII&t=91s |
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