



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

Subject	Focus	Activities	Useful website
Accounting	<ul style="list-style-type: none"><li>• To analyse the structure of limited companies and the sources of raising capital.</li><li>• To describe the type of businesses that would use of unit, job and batch costing system.</li><li>• To apply costing concepts to make business decisions and recommendations.</li></ul>	<ul style="list-style-type: none"><li>• Prepare a sway presentation analyzing the structure of limited companies which should include the following –</li><li>• Features of limited companies</li><li>• Share capital - meaning of and accounting for</li><li>• Capital and revenue reserves</li><li>• Loan capital</li><li>• Preparation of internal final accounts and balance sheets of limited companies.</li><li>• Present a write up on type of businesses that would use of unit, job and batch costing system.<ul style="list-style-type: none"><li>○ OR</li></ul></li><li>• Prepare a Ted Ed Flipped Lesson on the topic.</li></ul>	<p><a href="http://www.myaccountinglab.com">www.myaccountinglab.com</a>, <a href="http://www.bized.co.uk">www.bized.co.uk</a> <a href="http://www.cie.org.uk">www.cie.org.uk</a>, <a href="http://www.accounting-world.com/">http://www.accounting-world.com/</a> <a href="https://www.investopedia.com/">https://www.investopedia.com/</a> <a href="https://study.com/search/text/academy.html?q=accounting#/topresults/accounting">https://study.com/search/text/academy.html?q=accounting#/topresults/accounting</a></p>
Arabic	<p>اسم التفضيل: TOPIC</p> <p>Learning objectives:</p> <p>- أن يحدد الطالب اسم التفضيل من القطعة.</p>	<p>مثل لكل نوع من أنواع اسم التفضيل: مجرد من أل والإضافة - محلي بأل - هات مثالا ل: لتمييز وقع بعد أفعل التفضيل. يأتي الطلاب بأمثلة</p>	<p><a href="https://seraj-uae.com/file/15366/">https://seraj-uae.com/file/15366/</a> <a href="http://www.almaany.com/ar/dict/ar-ar/">http://www.almaany.com/ar/dict/ar-ar/</a></p>



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## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<p>- أن يستنتج صور اسم التفضيل من الفعل الثلاثي وغير الثلاثي.</p> <p>- أن يوظف اسم التفضيل في مواقف حياتية.</p> <p>TOPIC</p> <p>- قصة قصيرة-نظارة طبية</p> <p>مريم الساعدي</p> <p>Learning objectives:</p> <p>أن يحدد الطالب كيف نصل إلى الفكرة العامة في القصة؟</p> <p>أن يحدد الطالب الفكرة الرئيسة في القصة.</p> <p>أن يوضح الطالب العبارات والصور البيانية موضحًا تأثيرها في رسم الشخصية.</p> <p>- أن يحدد الطالب المعنى المناسب للكلمات متعددة المعاني من خلال السياق.</p> <p>أن يحدد الطالب كيف يقدم الكاتب الشخصية الرئيسة وأهميتها في القصة.</p> <p>- أن يحلل المتعلم الشخصيات من خلال أفكارها وأفعالها وأقوالها.</p> <p>أن يتتبع الطالب التقنيات التي استخدمها الكاتب من أجل وصف شخصياتها.</p>	<p>عن التفضيل، يعرض فيها مقارنات بين الإمارات وبعض الدول المتقدم</p> <p>سجل بعض خصائص النص كما تراها</p> <p>- حلل أحد التشبيهات الموجودة في النص.</p> <p>- حدد عناصر القصة القصيرة</p> <p>- حلل قصة النظارة طبية إلى عناصرها - اعد كتابة القصة مرة ثانية بسلوك الخاص</p> <p>- ضع نهاية أخرى للقصة</p> <p>قارن بين هذه القصة وقصة أخرى من الأدب العربي-</p> <p>إجراء اختبار ختامي قصير للتأكد من مستوى التعلم لدى الطلاب من خلال ورقة</p>	
Islamic Studies	أقسام الحديث الشريف		



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

<b>Arabs</b>	<p>(الصحيح – الحسن – الضعيف) الأهداف، هذا الدرس يعلمني أن : أحدد أقسام الحديث الشريف ومعناها-1 أوضح الفرق بين الحديث الصحيح والحسن -2 والضعيف أبين مخاطر نشر الحديث الموضوع على الفرد -3 والمجتمع.</p>	<p>نشاط جماعي (1): ابحث عن أقسام الحديث الشريف والفرق بينها من حيث التعريف والسند والرواة نشاط جماعي (2): وضح مع التعليل مخاطر نشر الأحاديث الموضوعية على الفرد والمجتمع الحديث الشريف هو المصدر الثاني للتشريع. وضح جهود العلماء في جمعه ومنهجهم في ذلك. كمثال الإمام مسلم. الكتاب ص 19</p>	<p><a href="https://uae-school.com/archives/17731">https://uae-school.com/archives/17731</a> <a href="https://mawdoo3.com/%D8%A3%D9%86%D9%88%D8%A7%D8%B9%D8%A7%D9%84%D8%AD%D8%AF%D9%8A%D8%AB">https://mawdoo3.com/%D8%A3%D9%86%D9%88%D8%A7%D8%B9%D8%A7%D9%84%D8%AD%D8%AF%D9%8A%D8%AB</a> <a href="https://ar.wikipedia.org/wiki/%D8%B9%D9%84%D9%85%D9%85%D8%B5%D8%B7%D9%84%D8%AD%D8%A7%D9%84%D8%AD%D8%AF%D9%8A%D8%AB">https://ar.wikipedia.org/wiki/%D8%B9%D9%84%D9%85%D9%85%D8%B5%D8%B7%D9%84%D8%AD%D8%A7%D9%84%D8%AD%D8%AF%D9%8A%D8%AB</a></p>
<b>Islamic for Non-Arabs</b>	<ul style="list-style-type: none"><li>The significance of the manners of dialogue, and analyze the to analyze the connection between manners of speaking and freedom of speech</li></ul>	<ul style="list-style-type: none"><li>write one paragraph demonstrating proper manners of dialogue, including listening patiently, using respectful language, staying calm, and accepting differing views; they should also underline or mention one dialogue manner they intentionally practiced and briefly explain how it helps create understanding and respect.</li></ul>	<p><a href="https://www.islamweb.net/en/article/141394/etiquettes-of-dialogue-and-speech-i">https://www.islamweb.net/en/article/141394/etiquettes-of-dialogue-and-speech-i</a></p>
<b>Business Studies</b>	To improve student's understanding of Unit 5 – Finance and Accounting by completing topic-based past paper questions, focusing on cash	Attempt past paper questions on topics - Cash flow statements & forecasting, Budgeting & variance analysis, costs and Sources of finance from the past papers	<p><a href="#">CAIE 9609 Examiner Report</a> <a href="#">CAIE 9609 Candidate Response</a> <a href="#">9609 AS and A Level Business Coursebook</a></p>



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<p>flow, budgeting, and costs, and identifying areas for improvement.</p>	<p>(Paper 12 and Paper 22) from the series 9609/ May/ June/ 2022, 9609/ Oct/ Nov/ 2022, 9609/ May/ June/ 2023, 9609/ Oct/ Nov/ 2023, 9609/ May/ June/ 2024, 9609/ Oct/ Nov/ 2024, 9609/ May/ June/ 2025, 9609/ Oct/ Nov/ 2025</p> <p>Attempt the answers in the notebook and submit the same for teacher feedback.</p>	
<p><b>Biology</b></p>	<p><b>Transport in Plants</b></p> <ul style="list-style-type: none"> <li>• Elaborate the pathways and explain symplastic pathway and apoplastic pathway and Casparian strip)</li> <li>• Justify that the term transpiration is an inevitable consequence of gas exchange in plants</li> <li>• Explore the factors that affect transpiration rate using leaf impressions, epidermal peels, and grids for determining surface area</li> </ul>	<p>Construct a summary table of xylem vessel element structure linked to an explanation of function. Work out which way water will flow to and from cells / environments with given water potentials (no calculations of water potential are expected).</p> <ul style="list-style-type: none"> <li>• Research, (apoplast, symplast and vacuolar) and the role of the endodermis and Casparian strip, by giving a brief written / diagrammatic summary of findings.</li> <li>• Justify and explain why transpiration is inevitable, and list the advantages of transpiration.</li> </ul>	<p><a href="http://www.microscopy-uk.org.uk/mag/artmar00/watermvt.html">http://www.microscopy-uk.org.uk/mag/artmar00/watermvt.html</a></p> <p><a href="http://www.mhhe.com/biosci/pa/botany/histology/html/membrans.html">http://www.mhhe.com/biosci/pa/botany/histology/html/membrans.html</a></p> <p><a href="http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/X/Xylem.html">http://users.rcn.com/jkimball.ma.ultranet/BiologyPages/X/Xylem.html</a></p> <p><a href="https://bio.libretexts.org/Bookshelves/Botany/Botany_(Ha_Morrow_and_Algers)/04%3A_Plant_Physiology_and_Regulation/4.05%3A">https://bio.libretexts.org/Bookshelves/Botany/Botany_(Ha_Morrow_and_Algers)/04%3A_Plant_Physiology_and_Regulation/4.05%3A</a></p>



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<ul style="list-style-type: none"><li>• State that assimilates, such as sucrose and amino acids, move between sources (e.g. leaves and storage organs) and sinks.</li></ul> <p><b><u>Transport in Mammals</u></b></p> <ul style="list-style-type: none"><li>• Explain the relationship between the structure and function of arteries, veins and capillaries.</li><li>• Describe the role of haemoglobin in carrying oxygen and carbon dioxide with reference to the role of carbonic anhydrase, the formation of haemoglobin acid and carbaminohaemoglobin.</li><li>• Describe the role of hemoglobin in carrying oxygen and carbon dioxide with reference to the role of carbonic anhydrase.</li><li>• Describe and explain the significance of the higher red blood cell count of humans at high altitude</li><li>• Describe the cardiac cycle (including blood pressure changes during systole and diastole.</li></ul>	<ul style="list-style-type: none"><li>• Diagrammatically explain the structure of heart, highlighting the differences in chambers.</li><li>• Using Bloom's taxonomy to create different level questions on Transport in mammals.</li><li>• Make plan diagrams of the structure of arteries, veins and capillaries using photomicrographs, showing the distribution of various tissues.</li><li>• Using a mind map explain the working of cardiac cycle.</li><li>• Write a report on the structural adaptations of people living at high altitud</li></ul>	<p><a href="#">Transport/4.5.02%3A Translocation (Assimilate Transport)</a></p> <p><a href="https://alevelnotes.com/notes/biology/exchange-and-transport/transport-in-animals">https://alevelnotes.com/notes/biology/exchange-and-transport/transport-in-animals</a></p> <p><a href="https://courses.lumenlearning.com/wm-biology2/chapter/transport-of-carbon-dioxide-in-the-blood/">https://courses.lumenlearning.com/wm-biology2/chapter/transport-of-carbon-dioxide-in-the-blood/</a></p> <p><a href="https://www.savemyexams.com/international-a-level/biology/edexcel/18/revision-notes/1-molecules-transport--health/the-circulatory-system/1-8-the-cardiac-cycle/">https://www.savemyexams.com/international-a-level/biology/edexcel/18/revision-notes/1-molecules-transport--health/the-circulatory-system/1-8-the-cardiac-cycle/</a></p>
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# The Winchester School



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	<ul style="list-style-type: none"><li>Explain how heart action is initiated and controlled (reference should be made to the sinoatrial node, the atrioventricular node and the Purkyne tissue)</li></ul>		
<b>Chemistry</b>	<p><b>ALCOHOLS, ESTERS AND CARBOXYLIC ACIDS:</b></p> <ul style="list-style-type: none"><li>To explain the chemistry of alcohols, exemplified by ethanol, in the following reactions:<ul style="list-style-type: none"><li>(i) combustion</li><li>(ii) substitution to give halogenoalkanes</li><li>(iii) reaction with sodium</li><li>(iv) oxidation to carbonyl compounds and carboxylic acids</li><li>(v) dehydration to alkenes</li><li>(vi) formation of esters by esterification with carboxylic acids</li></ul></li><li>To deduce the presence of a <math>\text{CH}_3\text{CH}(\text{OH})-</math> group in an alcohol from its reaction with alkaline aqueous iodine to form tri-iodomethane</li></ul>	<ul style="list-style-type: none"><li>Create a mind map showing reactions of alcohols and also how they relate to other classes of compound already learnt.</li><li>Practice making molecular models of isomers of alcohols with 3, 4 and 5 carbon atoms.</li><li>Solve questions based on examples of primary, secondary and tertiary alcohols, to<ul style="list-style-type: none"><li>decide which can be oxidised and which cannot</li><li>name a suitable oxidising agent</li><li>give visible observations</li><li>state conditions and give formulae of products. construct balanced chemical equations.</li></ul></li><li>Predict the alcohols from a given list, which will give</li></ul>	<p><a href="https://www.chemguide.co.uk/organicprops/alcoholmenu.html">https://www.chemguide.co.uk/organicprops/alcoholmenu.html</a></p> <p><a href="https://en.wikibooks.org/wiki/Organic_Chemistry/Alcohols">https://en.wikibooks.org/wiki/Organic_Chemistry/Alcohols</a></p> <p><a href="https://www.chegg.com/homework-help/questions-and-answers/classify-alcohols-primary">https://www.chegg.com/homework-help/questions-and-answers/classify-alcohols-primary</a></p> <p><a href="https://www.youtube.com/watch?v=2r-EBwCLogw">https://www.youtube.com/watch?v=2r-EBwCLogw</a></p> <p><a href="http://www.a-levelchemistry.co.uk/45-compounds-containing-the-carbonyl-group.html">http://www.a-levelchemistry.co.uk/45-compounds-containing-the-carbonyl-group.html</a></p> <p><a href="https://a-levelchemistry.co.uk/notes/carbonyl-compounds/">https://a-levelchemistry.co.uk/notes/carbonyl-compounds/</a></p>



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<ul style="list-style-type: none"><li>To explain characteristic oxidation reactions of alcohols using various oxidizing agents.</li></ul> <p><b>CARBONYL COMPOUNDS:</b></p> <ul style="list-style-type: none"><li>To describe:<ul style="list-style-type: none"><li>(i) the formation of aldehydes and ketones from primary and secondary alcohols respectively using <math>\text{Cr}_2\text{O}_7^{2-}/\text{H}^+</math></li><li>(ii) the reduction of aldehydes and ketones, e.g. using <math>\text{NaBH}_4</math> or <math>\text{LiAlH}_4</math></li><li>(iii) the reaction of aldehydes and ketones with <math>\text{HCN}</math> and <math>\text{NaCN}</math>.</li></ul></li><li>To describe the mechanism of the nucleophilic addition reactions of hydrogen cyanide with aldehydes and ketones</li><li>To interpret the use of 2,4-dinitrophenylhydrazine (2,4-DNPH) reagent to detect the presence of carbonyl compounds</li></ul>	<p>positive iodoform test and to construct balanced chemical equations.</p> <ul style="list-style-type: none"><li>Prepare a power point to compare and contrast the reactions of aldehydes and ketones.</li><li>Choose the compounds which give positive iodoform test, from a given list of organic substances.</li><li>Carry out analysis of aldehydes and ketones in the laboratory, using<ul style="list-style-type: none"><li>Tollens reagent</li><li>Fehlings solution</li><li>2,4-DNP</li><li>Schiffs reagent</li></ul></li><li>Solve practice problems on reactions of aldehydes and ketones<ul style="list-style-type: none"><li>To identify products</li><li>Reaction conditions</li><li>Write balanced chemical equations</li></ul></li><li>Produce a poster describing the nucleophilic addition mechanism.</li><li>Model the nucleophilic addition mechanism using molecular models and modelling clay</li></ul>	<p><a href="http://chubbyrevision-a2level.weebly.com/compounds-containing-the-carbonyl-group.ht">http://chubbyrevision-a2level.weebly.com/compounds-containing-the-carbonyl-group.ht</a></p> <p><a href="https://www.chemguide.co.uk/organicprops/acidmenu.html">https://www.chemguide.co.uk/organicprops/acidmenu.html</a></p> <p><a href="https://www.youtube.com/watch?v=gmM1jX-n7vg">https://www.youtube.com/watch?v=gmM1jX-n7vg</a></p> <p><a href="https://www.proprofs.com/quiz-school/story.php?title=njevode4">https://www.proprofs.com/quiz-school/story.php?title=njevode4</a></p> <p><a href="https://global.oup.com/uk/orc/pharmacy/ifp_chemistry/01student/mcas/ch06/">https://global.oup.com/uk/orc/pharmacy/ifp_chemistry/01student/mcas/ch06/</a></p> <p><a href="http://www.a-levelchemistry.co.uk/42-equilibria.html">http://www.a-levelchemistry.co.uk/42-equilibria.html</a></p> <p><a href="http://www.chem1.com/acad/webtext/chemeq/Eq-01.html">http://www.chem1.com/acad/webtext/chemeq/Eq-01.html</a></p> <p><a href="http://www.ocr.org.uk/Images/261544-equilibrium-delivery-guide.pdf">http://www.ocr.org.uk/Images/261544-equilibrium-delivery-guide.pdf</a></p>
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# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<ul style="list-style-type: none"><li>• To deduce the nature (aldehyde or ketone) of an unknown carbonyl compound from the results of simple tests (Fehling's and Tollens' reagents; ease of oxidation)</li><li>• To describe the reaction of <math>\text{CH}_3\text{CO}</math>-compounds with alkaline aqueous iodine to give tri-iodomethane</li><li>• To describe the formation of carboxylic acids from alcohols, aldehydes and nitriles</li><li>• To outline the reactions of carboxylic acids in the formation of:<ul style="list-style-type: none"><li>• salts, by the use of reactive metals, alkalis or carbonates</li><li>• alkyl esters</li><li>• alcohols, by use of <math>\text{LiAlH}_4</math></li><li>• acyl chlorides</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Solve questions with a wide variety of reactions of carboxylic acids,<ul style="list-style-type: none"><li>o To predict products</li><li>o Reaction conditions</li><li>o Construct balance chemical equations.</li></ul></li></ul> <p>Prepare a Ted-Ed lesson depicting Le Chatelier's principle and its application</p> <ul style="list-style-type: none"><li>• Make a mind map to show the effect of changes in temperature, concentration and pressure on a system at equilibrium</li><li>• Solve complex questions including numerical based on calculating equilibrium constant <math>K_c</math> and <math>K_p</math></li></ul> <p>Make a Power-Point presentation on equilibrium by acids and bases.</p>	<p><a href="https://www.chemguide.co.uk/physical/equilibmenu.html">https://www.chemguide.co.uk/physical/equilibmenu.html</a></p>
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# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<ul style="list-style-type: none"><li>To explain acid and base hydrolysis of esters.</li></ul> <p><b>Equilibrium:</b></p> <ul style="list-style-type: none"><li>To state Le Chatelier's principle and apply it to deduce the effect of changes in temperature, concentration or pressure on a system at equilibrium.</li><li>To state whether changes in temperature, concentration or pressure or the presence of a catalyst affect the value of the equilibrium constant</li><li>To deduce the expressions for equilibrium constants in terms of concentration <math>K_c</math> and partial pressure, <math>K_p</math>.</li><li>To calculate the <math>K_c</math> and <math>K_p</math>.</li></ul> <p>To describe the Bronsted-Lowry theory of acids and bases.</p>		
<b>Economics</b>	<ul style="list-style-type: none"><li>To improve student's understanding of microeconomic and macroeconomic concepts by completing topic-based past paper questions, focusing on</li></ul>	Attempt past paper questions on topics – elasticity, national income, government intervention, macroeconomic objectives, aggregate demand and aggregate supply	<a href="https://pastpapers.papacambridge.com/papers/caie/as-and-a-level-economics-9708">https://pastpapers.papacambridge.com/papers/caie/as-and-a-level-economics-9708</a>



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<p>elasticity, government intervention, aggregate demand ,aggregate supply, macroeconomic objectives and national income.</p>	<p>from the past papers (Paper 1 and Paper 2) from all the series for the paper 9708.</p> <p>Attempt the answers in the notebook and submit the same for teacher feedback.</p>	<p><a href="https://bestexamhelp.com/exam/cambridge-international-a-level/economics-9708/index.php">https://bestexamhelp.com/exam/cambridge-international-a-level/economics-9708/index.php</a></p> <p><a href="https://www.cambridgeinternational.org/Images/567336-june-2023-examiner-report.pdf">https://www.cambridgeinternational.org/Images/567336-june-2023-examiner-report.pdf</a></p>
<p><b><u>Pure Mathematics 1</u></b></p>	<p><b><u>Differentiation</u></b></p> <ul style="list-style-type: none"> <li>To calculate the gradient at a point on a curve, given its equation</li> <li>To find the equations of the tangent and normal to a curve at a point.</li> <li>To interpret a derivative as a rate of change of one variable with respect to another.</li> <li>To apply derivatives in solving real – world problems</li> <li>To use second derivatives to distinguish minimum and maximum points</li> </ul> <p><b><u>Integration:</u></b></p> <ul style="list-style-type: none"> <li>To understand the term indefinite integral and the need to add the constant of integration.</li> </ul>	<p>Make a list of derivatives of simple functions</p> <p>Research on the applications of differentiation.</p> <p>How do you find maximum and minimum points using differentiation?</p> <p>Make notes to summarize learning that includes solved examples</p> <p>Apply the basic integration rules in finding the function, given it’s derivative. Can you get more than one function when you integrate? Why? Research on the significance of constant of integration.</p> <p>Research on the real life applications of integration</p>	<p><a href="https://www.bbc.com/bitesize/guides/zyj77ty/revision/1">https://www.bbc.com/bitesize/guides/zyj77ty/revision/1</a></p> <p><a href="https://revisionmaths.com/advanced-level-maths-revision/pure-maths/calculus/differentiation">https://revisionmaths.com/advanced-level-maths-revision/pure-maths/calculus/differentiation</a></p> <p><a href="https://www.britannica.com/science/analysis-mathematics/Calculus#ref731796">https://www.britannica.com/science/analysis-mathematics/Calculus#ref731796</a></p> <p><a href="https://www.intmath.com/applications-differentiation/applications-of-differentiation-intro.php">https://www.intmath.com/applications-differentiation/applications-of-differentiation-intro.php</a></p> <p><a href="http://www.statistica.com.au/differentiation_max_and_min.html">http://www.statistica.com.au/differentiation_max_and_min.html</a></p>



# The Winchester School



## Aim High Progress Study Programme \_ (Year 12) -February 2026

	<ul style="list-style-type: none"><li>• To integrate functions which can be expressed as sums of powers of <math>x</math></li><li>• To evaluate a definite integral</li><li>• To use definite integrals to find area under the curve</li><li>• To find volume of a revolution about either X or Y axis.</li></ul>	Make notes to summarize learning that includes solved examples.	<a href="https://www.mathsisfun.com/calculus/integration-introduction.html">https://www.mathsisfun.com/calculus/integration-introduction.html</a>  <a href="https://www.bbc.com/bitesize/guides/zgxttfr/revision/1">https://www.bbc.com/bitesize/guides/zgxttfr/revision/1</a>  <a href="https://revisionmaths.com/advanced-level-maths-revision/pure-maths/calculus/integration">https://revisionmaths.com/advanced-level-maths-revision/pure-maths/calculus/integration</a>
<b>Art&amp; Design</b>	AO2 and AO3 technical skills to develop a personal artistic style	<ul style="list-style-type: none"><li>• reflective, recording ideas and critically evaluating their work as they continually review, refine and adapt</li><li>• innovative, combining approaches and techniques and developing the skills to solve problems creatively</li></ul>	<a href="http://www.studentartguide.com">www.studentartguide.com</a>



# The Winchester School



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<b>Statistics 1</b>	<p><b><u>Normal Distribution</u></b></p> <ul style="list-style-type: none"> <li>• Be able to evaluate probabilities and solve problems involving normal distribution.</li> <li>• Recall conditions under which the normal distribution can be used as an approximation to the binomial distribution, and use this approximation, with a continuity correction, in solving problems.</li> </ul>	<p>Research and summarise findings with examples on real life application of Normal distribution.</p> <p>Make notes to summarise learning that includes formulae and solved examples.</p>	<p><a href="http://onlinestatbook.com/2/normal_distribution/normal_approxM.html">http://onlinestatbook.com/2/normal_distribution/normal_approxM.html</a></p> <p><a href="https://revisionmaths.com/advanced-level-maths-revision/statistics/normal-distribution#google_vignette">https://revisionmaths.com/advanced-level-maths-revision/statistics/normal-distribution#google_vignette</a></p>
<b>Psychology</b>	<p>Social Approach: Milgram (Obedience) - evaluation</p> <p>To evaluate various components of the study against a variety of evaluative issues.</p>	<ul style="list-style-type: none"> <li>• Evaluate the use of restricted samples in Milgram’s study on obedience, which could be peer marked or graded.</li> <li>• Describe the procedure employed in the study. Evaluate the study in terms of its usefulness.</li> </ul>	<p>Psychology coursebook- Hodder education</p>
<b>Physics</b>	<p><b><u>Waves</u></b></p> <ul style="list-style-type: none"> <li>• To understand that energy is transferred by a progressive wave.</li> <li>• To analyse and interpret graphical representations of transverse and longitudinal waves.</li> </ul>	<ul style="list-style-type: none"> <li>• Describe how to measure the frequency of sound waves using cathode ray oscilloscope</li> <li>• Compare the diffraction pattern of water waves and light waves.</li> <li>• State the properties of electromagnetic waves.</li> </ul>	<p><a href="http://www.acoustics.salford.ac.uk/fesc_hools/waves/contents.php">www.acoustics.salford.ac.uk/fesc_hools/waves/contents.php</a></p> <p><a href="https://www.islandphysics.com/waves-and-sound.html">https://www.islandphysics.com/waves-and-sound.html</a></p>



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	<ul style="list-style-type: none"> <li>To know the experimental arrangement of Young's double slit experiment.</li> </ul>	<ul style="list-style-type: none"> <li>In Young double-slit experiment, state the effect of             <ul style="list-style-type: none"> <li>-Using slits of narrower width (but the same separation)</li> <li>-Using slits with smaller separation but of same width.</li> </ul> </li> </ul>	<a href="http://www.physicsclassroom.com/class/light/Lesson-3/Young-s-Experiment">http://www.physicsclassroom.com/class/light/Lesson-3/Young-s-Experiment</a>
<b>Sociology</b>	<p>Research Issues: To analyse the theoretical, practical and ethical considerations influencing the choice of topics, choice of methods and conduct of research</p>	<ul style="list-style-type: none"> <li>Explain two ethical considerations that may influence a sociologist's choice of research topic.</li> <li>Assess the view that practical considerations limit the ability of sociologists to conduct valid research.</li> <li>Assess the view that the choice of research topic in sociology is shaped more by funding and access than by theoretical interests.</li> <li>Assess the view that sociologists' theoretical assumptions determine how ethical issues are addressed in research.</li> <li>Assess the extent to which sociological research can ever be completely value free, given ethical and practical constraints.</li> </ul>	Sociology Coursebook – jonathan Blundell



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<b>English Language</b>	<p><b><u>WRITING IN THE STYLE OF THE AUTHOR.</u></b></p> <ul style="list-style-type: none"> <li>To enhance critical thinking skills.</li> <li>To further enhance speech writing skills.</li> </ul>	<p>Watch the following video and create a speech in the style of the speaker shown.</p>	<p><a href="https://study.com/academy/lesson/practice-analyzing-and-interpreting-a-speech.html">https://study.com/academy/lesson/practice-analyzing-and-interpreting-a-speech.html</a></p>
<b>Computer Science</b>	<ul style="list-style-type: none"> <li>Implementing and writing pseudocode from flowcharts or structured English.</li> <li>Writing pseudocode for variable declarations, assignments, and expressions.</li> <li>Utilizing control structures like IF statements, CASE structures, and loops.</li> <li>Defining and using procedures and functions effectively.</li> </ul>	<ul style="list-style-type: none"> <li>Create pseudocode from given flowcharts.</li> <li>Write pseudocode for declaring constants and variables, and assigning values.</li> <li>Write pseudocode for IF statements with ELSE and nested IFs.</li> <li>Develop a CASE structure for a given scenario.</li> <li>Implement different types of loops (count-controlled, post-condition, pre-condition) and justify their use in specific problems.</li> <li>Write pseudocode for IF statements with ELSE and nested IFs.</li> <li>Develop a CASE structure for a given scenario.</li> </ul>	<p>Commenting programs:</p> <p><a href="http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Comments">http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Comments</a></p> <p>Inputs and outputs in programming:</p> <p><a href="http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Input_and_output">http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Input_and_output</a></p> <p>Operators:</p>



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		<ul style="list-style-type: none"><li>• Implement different types of loops (count-controlled, post-condition, pre-condition) and justify their use in specific problems.</li><li>• Analyze and rewrite pseudocode to improve efficiency.</li><li>• Discuss the importance of using built-in functions and library routines.</li></ul>	<p><a href="http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Arithmetic_operators">http://en.wikibooks.org/wiki/A-level_Computing/AQA/Problem_Solving_Programming_Data_Representation_and_Practical_Exercise/Fundamentals_of_Programming/Arithmetic_operators</a></p> <p><a href="http://www.pp4s.co.uk/main/tu-op-intro.html">www.pp4s.co.uk/main/tu-op-intro.html</a></p> <p><a href="#">W3Schools - Pseudocode</a> - A great resource for understanding pseudocode basics.</p>
<b>Travel and Tourism</b>	Discuss the impacts of sustainable tourism developments	Research on the following topic:  (i) impacts of sustainable tourism developments  (ii) attitudes to sustainable tourism development	<p><a href="https://link.springer.com/article/10.1007/s43621-025-01587-x?utm_source=chatgpt.com">https://link.springer.com/article/10.1007/s43621-025-01587-x?utm_source=chatgpt.com</a></p>