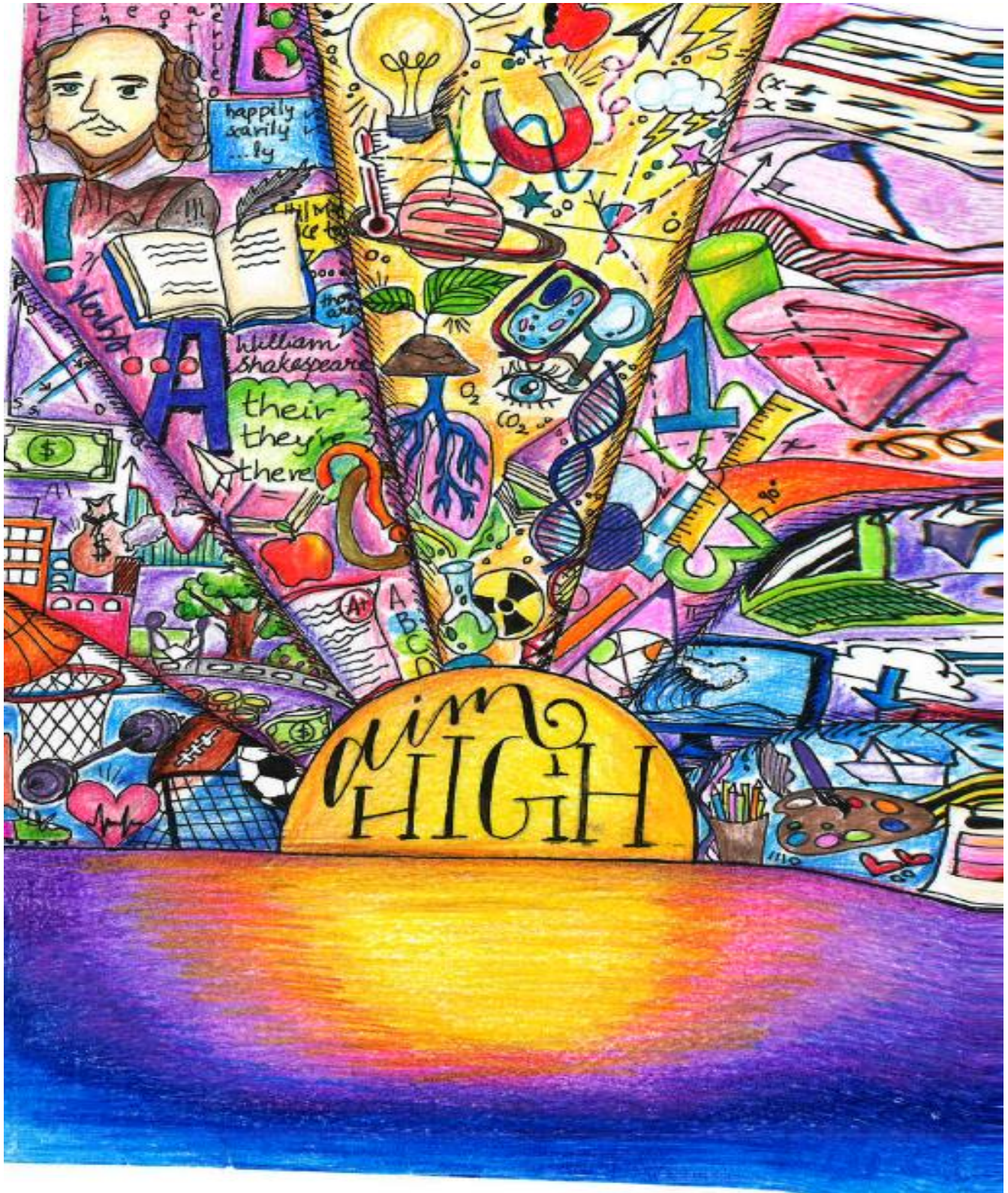


The Winchester School, Jebel Ali
AIM HIGH HOLIDAY HOMEWORK
YEAR 10 GOING TO 11



Dear Parents,

As we approach the summer vacation, we wanted to share with you some important steps we are taking to ensure that our students are fully prepared for the challenges of the upcoming IGCSE program.

Throughout the year, our students have actively participated in various STREAM (Science, Technology, Robotics, Engineering, Art, and Math) projects such as VEX robotics, Lego, and Fable robots. These hands-on projects have allowed them to apply their knowledge in real-world contexts, significantly enhancing their critical thinking and problem-solving skills.

Additionally, our students have engaged in a variety of school and extracurricular events that further developed their skills. We adopted a STREAM-based, Project-Based Learning (PBL) approach where students tackled real-life problems, conducted research, and presented their findings creatively. This approach not only deepened their understanding of subjects but also fostered collaboration and innovative thinking.

Furthermore, students had opportunities to participate in coding competitions, gamification activities, and hackathons, which boosted their problem-solving and computational thinking abilities. These experiences prepared them for future technological challenges.

To strengthen their communication skills, we offered enrichment activities such as elocution and soliloquy presentations, providing platforms for students to express themselves confidently.

We are proud of the progress our students have made and the skills they have developed through these diverse learning experiences.

Summer vacation provides a valuable opportunity for students to consolidate their learning from Year 10, address any knowledge gaps, and solidify key concepts essential for success in the IGCSE curriculum. To maximize this time effectively, we have designed a summer vacation work plan tailored to ensure your child's readiness for the academic year ahead.

The objectives of our summer vacation work plan are:

- **Consolidation of Year 10 Learning:** Our students must review and reinforce the concepts covered during the previous academic year. This is crucial for establishing a strong foundation for the IGCSE program. There will be a baseline assessment scheduled for students in the month of September to check their progress and gaps. This assessment will help us gauge each student's current level of understanding and tailor our teaching approach accordingly. It is a crucial step in ensuring that our students are adequately prepared for the IGCSE program.

To support your child's learning during the summer break, we have curated a list of recommended resources, including textbooks, online learning platforms, and supplementary materials (Links mentioned below in the course summary) Additionally, students have access to Phoenix resources, which include a learner guide for self-assessment against each objective in each topic, student exemplars to understand the expectations for answers, and the syllabus for the subject.

In the AIM High Program, you will find a summary of the topics that students must prepare for their baseline assessment in September.

With your cooperation and encouragement, we believe that our students will enter the IGCSE program with confidence and readiness to excel. Thank you for your continued support and involvement in your child's education.

Preeti Manoj

Head of Secondary

Course Summary

Subject	Topics	Links
Accounting	<ol style="list-style-type: none"> 1. Introduction to accounting 2. Double entry book-keeping - Part A 3. The trial balances 4. Double entry book-keeping - Part B' 5. Petty cash books 6. Business documents 7. Books of prime entry 8. Financial statements - Part A 9. Financial statements - Part B 10. Accounting rules 11. Other payables and other receivables 12. Accounting for depreciation and disposal of non-current assets 13. Irrecoverable debts and provisions for doubtful debts 14. Bank reconciliation statements 15. Journal entries and correction of errors 	<p>32Twww.myaccountinglab.com32T Text Book 32Twww.dineshbakshi.com32T 32Twww.cie.org.uk32T 32Twww.gceguide.com32T 32Twww.papacambridge.com 32Twww.igcsecentre.com</p>
Economics	<p><u>Section 1 -The Basis Economic Problem</u> 1.1The nature of the economic problem 1.2 The factors of production 1.3 Opportunity cost 1.4 Production possibility curve <u>Section 2 - The allocation of resources</u> 2.1 Microeconomics and macroeconomics 2.2 The role of markets in allocating resources 2.3 Demand 2.4 Supply 2.5 Price determination 2.6 Price Changes 2.7 Price elasticity of demand (PED) 2.8 Price Elasticity of Supply (PES)) 2.9 Market economic system 2.10 Market Failure 2.11 Mixed economic system <u>Section 3 - Microeconomic decision makers</u> 3.1 Money and Banking 3.2 Households 3.3. Workers 3.4 Trade Unions 3.5 Firms 3.6 Firms and production 3.7 Firms' costs, revenues and objectives 3.8 Market Structure <u>Section 4 - Government and the macroeconomy</u> 4.1 The role of government</p>	<p>32Twww.cie.org.uk32T – Past paper questions and mark schemes[Past papers from 2020]</p> <p>www.dineshbakshi.com – Revision notes and videos https://www.tutor2u.net/economics https://s-cool.co.uk/ https://www.sparknotes.com/economics/ https://www.igcseeconomics.co.uk/category/past-papers.html https://smarteduhub.com/igcse-economics-revision-notes</p>

	<p>4.2 The macroeconomic aims of government 4.6 Economic growth 4.7 Employment and unemployment 4.8 Inflation and deflation 4.3 Fiscal policy</p>	
Business	<p><u>Section 1 - Understanding business activity</u></p> <ol style="list-style-type: none"> 1. Business activity 2. Classification of businesses 3. Enterprise, business growth and size 4. Types of business organization 5. Business objectives and stakeholder objectives <p><u>Section 2 - People in business</u></p> <ol style="list-style-type: none"> 6. Motivating employees 7. Organization and management 8. Recruitment, selection and training of employees 9. Internal and external communication <p><u>Section 3 - Marketing</u></p> <ol style="list-style-type: none"> 10. Marketing, competition and the customer 11. Market research 12. The marketing mix: Product 13. The marketing mix: Price 14. The marketing mix: Place 15. The marketing mix: Promotion 16. Technology and the marketing mix 17. Marketing strategy 18. Production of Goods & Services 19. Achieving quality production 20. Location decision 	<p>32Twww.tutor2u.net 32Twww.s-cool.com32T 32Twww.dineshbakshi.com www.xtremepapers.com</p>
Travel and Tourism	<p><u>UNIT 1 - Introduction to the main travel and tourism definitions and concepts</u></p> <ol style="list-style-type: none"> 1.1 Main types of tourism 1.2 Main reasons why people travel 1.3 Sustainable travel and tourism 1.4 Characteristics of travel and tourism 1.5 Types of Tourists 1.6 Types of Destination <p><u>UNIT 2 - Global Tourism</u></p> <ol style="list-style-type: none"> 2.1 The scale of travel and tourism 2.2 Features of destinations and their appeal to different types of tourists 2.3 The role of organizations involved in development and management of destinations 2.4 Factors affecting tourism development and management: 2.5 Managing destinations sustainably: 2.6 Economic, environmental and sociocultural impacts of travel and tourism: <p><u>UNIT 3 - Travel and tourism organizations</u></p>	<p>www.cie.uk.org www.xtremepapers.com Cambridge IGCSE Travel and Tourism textbook</p>


	<p>3.1 The role of tourism organisations, their sustainable practices, the products and services they provide and their appeal</p> <p>3.2 Ways travel and tourism organisations work together</p> <p>3.3 Different types of transport and their appeal</p> <p>3.4 Sustainable developments within travel and transport</p> <p>3.5 Domestic and international travel and transport infrastructure</p> <p>UNIT 4 - Customer service</p> <p>4.1 Importance of customer service</p> <p>4.2 Delivery of customer service</p>	
Physics	<ol style="list-style-type: none"> 1. Physical quantities and measurement techniques 2. Motion and Free fall 3. Mass and weight 4. Density 5. Forces and circular motion 6. Momentum 7. Turning force and centre of gravity 8. Energy, work and Power 9. Energy Resources 10. Pressure (Barometer and Manometer excluded) 11. Waves and Sound 12. Electro Magnetic spectrum 13. Reflection, Refraction and Dispersion of light 14. Thin converging lens 15. Atomic Physics 16. Space physics (The Earth) 	<p>https://physics.info/motion</p> <p>https://www.bbc.com/education/guides/zyydm3/revision/1</p> <p>https://www.youtube.com/watch?v=rQBH_laxIM0</p> <p>https://www.britannica.com/science/energy</p> <p>https://www.conserve-energy-future.com/different-energy-sources.php</p> <p>www.edinformatics.com/math_science/work_energy_power.html</p> <p>www.bbc.co.uk/schools/gcsebitesize/science/add_ocr_pre.../lightandsoundrev1.shtml</p> <p>http://www.physicsclassroom.com/class/waves</p> <p>https://atomic.lindahall.org/what-is-an-atom.html</p> <p>http://hyperphysics.phy-astr.gsu.edu/hbase/Nuclear/radact.html</p>
Chemistry	<ol style="list-style-type: none"> 1. States of matter 2. Experimental Design and separation Techniques 3. Atomic Structure 4. Chemical Bonding 5. The Periodic table 6. Redox reactions 7. Electrochemistry 8. Metallic Elements a& Alloys 9. Reactivity of Metals 10. Extraction & corrosion of metals 11. Chemical Analysis 12. Acid and Bases 13. Preparation of Salts 	<p>http://www.bbc.co.uk/education/guides/zccmn39/revision</p> <p>http://igcsechemistry2012.weebly.com/sates-of-matter.html</p> <p>http://www.bbc.co.uk/education/guides/zg_vc4wx/revision</p> <p>https://socratic.org/chemistry/a-first-introduction-to-matter/separating-mixtures/igcse-chemistry-states-of-matter-and-separation-techniques</p> <p>http://askmichellechemistry.blogspot.ae/2012/08/atomic-structure.html</p> <p>http://www.bbc.co.uk/schools/gcsebitesize/science/add_aqa_pre_2011/atomic/</p> <p>http://www.bbc.co.uk/schools/gcsebitesize/</p>

		science/triple aqa/periodic table/trends _peri odic table/revision/1/ http://www.scool.co.uk/gcse/chemistry/electrolysis/revise- it/different-types-of-chemical-reactions
Biology	Unit 1 Characteristics and classification of living organisms Unit 2 Cells Unit 3 Movement into and out of cells Unit 4 Biological molecules Unit 5 Enzymes Unit 6 Plant nutrition Unit 7 Human nutrition Unit 8 Transport in plants Unit 9 Transport in animals Unit 10 Diseases and Immunity Unit 11 - Respiration and gas exchange Unit 19 Organisms and their environment	https://www.savemyexams.co.uk/igcse-biology-cie-new/revision-notes/
Food and Nutrition	An understanding of the terms used in nutrition and nutrition-related problems Nutritive value of foods Digestion and absorption Meal planning and dietary guidelines Pregnant and lactating women Vegetarians, including vegans and lacto-vegetarians Meals for special occasions, festivals, packed meals, snacks, beverages. Basic proportions and methods of cooking Transfer of Heat in cooking method	https://www.eatforhealth.gov.au/food-essentials/five-food-groups http://vikaspedia.in/health/nutrition/nutritive-value-of-foods/nutritive-value-of-cereals-and-millets https://www.hsph.harvard.edu/nutritionsource/what-should-you-eat/vegetables-and-fruits/ https://www.betterhealth.vic.gov.au/health/healthyliving/fats-and-oils http://africankaya.com/different-raising-agents-baking-powder-baking-soda-yeast-and-eggs-3/ https://www.cliffsnotes.com/study-guides/biology/microbiology/food-microbiology/food-spoilage
Computer Science	Paper 1 1 Data representation 2 Data transmission 3 Hardware - Input devices, Output devices, Von Neumann Architecture Paper 2 7 Algorithm design and problem-solving 8 Programming 9 Databases 10 Boolean logic	32T https://www.computerscience.gcse.guru/32T 32T https://znotes.org/caie/igcse/computer-science-047832T 32T https://www.smartnotesonline.com/cie-igcse/computer-science-047832T 32T https://teachcomputerscience.com/cie/32T
English First Language	Paper 1 Comprehension Summary Language Analysis Journal Entry, Letter, Article, Speech	CIE IGCSE/English-First-Language-0500/ (PastPapers.Co) Paper 1

	<p>Paper 2 Discursive and Argumentative Article, letter and speech Narrative Writing</p>	<p>Reading: Interrogate the Text CIE IGCSE English Revision (savemyexams.co.uk)</p> <p>Language Analysis https://youtu.be/U6Ekq_qT2d4 https://youtu.be/3Nid2JW-hfk</p> <p>Paper 2 Persuasive Writing: Theory CIE IGCSE English Revision (savemyexams.co.uk)</p> <p>Language IGCSE Ms Duckworth (msduckworthsclassroom.com)</p> <p>Microsoft Word - 0500 First Language English Standards Booklet 2010.doc (wordpress.com)</p> <p>IGSCE English 0500 Example Candidate Response and Syllabus Past Papers Inside</p>
English Second Language	<p>Paper 1 Comprehension Multiple Matching Comprehension Select the Correct Option Comprehension Note Making Email writing Review, Article, Report or Essay</p> <p>Paper 2 Listening</p>	<p>http://papers.xtremepapers.com/CIE/Cambidge%20International%20A%20and%20AS%20Level/</p> <p>CIE IGCSE/English-Second-Language-oral-endorsement-0510/ (PastPapers.Co)</p> <p>eslmojo.com/wp-content/uploads/2015/02/ESL-Candidate-Responses.pdf</p>
English Literature	Songs of Ourselves Stories of Ourselves	<p>https://cieliteratureguides.wordpress.com/2018/12/12/how-to-analyse-a-poem/</p> <p>https://www.cambridgeinternational.org/Images/596436-2023-2025-syllabus.pdf</p>
ICT	<p>Theory</p> <ol style="list-style-type: none"> Types and components of computer systems Input and output devices Storage devices and media Networks and the effects of using them The effects of using IT Applications of ICT Database Spreadsheet Presentation 	<p>32Thttps://www.igcseict.info/theory/32T</p> <p>32Thttps://www.dineshbakshi.com/ict/ict-worksheets32T</p> <p>32Thttps://www.znotes.org/caie/igcse/ict-0417</p> <p>30Tmrlawsonsclassroom.weebly.com</p>

Statistics	<p>Data Collection Processing and Representation of Data Summarising data Scatter Diagram and Correlation Probability</p>	<p>https://mathsmadeeasy.co.uk/gcse-maths-revision/types-of-data-revision/ https://resources.collins.co.uk/free/978-0-00-811381-0_Edexcel%20GCSE%20Maths%20Higher%20Student%20Book_Ch18_Supplement.pdf https://revisionmaths.com/gcse-maths-revision/statistics-handling-data/cumulative-frequency-graphs https://www.mathsgenie.co.uk/mean-tables.html https://www.mathsgenie.co.uk/papers/stats/MovingAverages.pdf</p>
Mathematics	<p>Ch 1 Numbers Ch 2 Fractions decimals and percentages Ch3 The four operations Ch4 Negative numbers Ch 5 Powers and roots Ch. 6 Ordering and set notation Ch 7 Ratio, proportion and rate Ch8 Estimation and limits of accuracy Ch9 Standard form Ch 10 Applying number and using calculators Ch11 Algebraic representation and formulae Ch 12 Algebraic manipulation Ch 13 Equations and inequalities Ch 15 Straight line graphs Ch 18 Indices Ch 19 Proportion Ch 23 Angle Properties Ch 24 Geometrical terms and relationships (24.2, 24.4 to 24.7) Ch 26: Trigonometry Ch 27: Mensuration Ch 31 Statistical representation Ch 32 Statistical Measures</p>	<p>https://www.savemyexams.co.uk/igcse/ https://www.khanacademy.org/math https://www.exam-mate.com/ https://revisionmaths.com/gcse-maths-revision</p>
Environmental Management	<p>Chap 1-Rocks and minerals and their exploitation Chap 2-Energy and the environment Chap 3-Agriculture and the environment Chap 4-Water and its management Chap 5-Oceans and fisheries Chap 6-Managing natural hazards</p>	<p>32Thttps://video.nationalgeographic.com/video/00000144-0a2c-d3cb-a96c-7b2d6b20000032T 32Thttps://courseware.e-education.psu.edu/courses/earth105new/content/lesson07/03.html32T 32Thttps://www.metoffice.gov.uk/weather/videos32T</p>
Geography	<p>Theme 1-Population and settlements Theme 2-Earthquakes and volcanoes Theme 3-Food production Geographical and mathematical skills</p>	<p>32Thttps://www.bbc.co.uk/bitesize/guides/z6j6fg8/revision/132T</p>

		<p>32Thttps://www.i-study.co.uk/igcsegeography/industry.html32T</p> <p>32Thttps://www.thegeographeronline.net/migration.html32T</p>
History	<p>Was the Treaty of Versailles (TOV) fair? To what extent was the League of Nations (LON) a success? Why did the Tsarist regime collapse in 1917? How did the Bolsheviks gain power, and how did they consolidate their rule? How did Stalin gain and hold on to power? How effectively did the United States contain the spread of communism? -KOREAN WAR, VIETNAM WAR</p>	<p>32Thttps://papers.xtremepape.rs/CAIE/IGCSE/Sociology%20(0495)/32T History Text book</p>
Psychology	<p>Topic 1- Development Topic 2- Memory Topic 3-Psychological problems Topic 4-The brain and neuropsychology Topic 11-Research methods</p>	<p>Edexcel Psychology textbook or any other General Psychology textbooks</p>
Sociology	<p>Theory and Methods Culture Identity and Socialization Family Education Crime and Deviance</p>	<p>Sociology course book: - Jonathan Blundell 32Thttps://papers.xtremepape.rs/CAIE/IGCSE/Sociology%20(0495)/32T</p>
Arabic	<p>كتابة موضوع نقاشي ، مع مراعاة معايير النقاش . كتابة موضوع وصف ، مع مراعاة معايير الوصف . ا يقل الموضوع عن 350 كلمة .</p>	<p>32Thttps://www.ireadarabic.com/ar/32T</p>
Physical Education	<p>Skeletal and muscular system Respiratory system Circulatory system Energy supply and the effects of exercise on the body Simple biomechanics Health, fitness and training Diet and energy sources Fitness test protocols Components of fitness Principles of training and overload Methods of training, Skill acquisition and Psychology</p>	<p>32Twww.bbc.co.uk32T 32Twww.innerbody.com32T 32Twww.physicaleducation.co.uk32T 32Twww.teachpe.com</p>
Art and Design	<p>Producing the Portfolio: Review work as it progresses. Consider a range of possible outcomes. Record ideas, observations and insights relevant to their intentions in visual and/or other forms; and present a personal, informed and meaningful response demonstrating analytical and critical understanding, realising intentions and, where</p>	<p>32Twww.studentartguide.com32T</p>

	appropriate, making connections between visual, written, oral or other elements.	
French	<p>Grammar: La négation/ L'interrogation/ Le passé composé/ Le présent/L'impératif .</p> <p>Reading: Structured questions (IGCSE-0520: past paper) (2021-2024)- Questions: 1-2-3-4</p> <p>Listening: Structured questions (IGCSE-0520: past paper) (2021-2024)- Questions: Section 1 and 2</p> <p>Vocabulaires/Topics (writing): Chez le docteur/ Comment rester en forme/ Manger équilibré.</p>	<p>32Thttps://apprendre.tv5monde.com/en/apprendre-francais/test-your-level32T</p> <p>32Thttps://apprendre.tv5monde.com/en/exercices/a1-breakthrough/le-lycee-cest-fini?exercice=432T</p> <p>https://www.bonjourdefrance.com/exercices/decrire-mon-logement-(mon-appartement,-ma-maison)-.html</p> <p>32Thttps://www.podcastfrancaisfacile.com/dialogue/achat-dune-robe-2-dialogue-au-magasin-de-vetements.html32T</p> <p>32Thttps://www.podcastfrancaisfacile.com/wp-content/uploads/2020/01/achat-robe-2.pdf32T</p> <p>32Thttp://www.lefrancaispourtous.com/ex_pronoms_demonstratifs.htm32T</p> <p>32Thttp://platea.pntic.mec.es/cvera/hotpot/ecoutes/faire_des_achatsb.htm </p>