



Aim High Study Progress Programme
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Area for learning	Focus	Activities	Useful Websites/Apps
English 1st Language	<ul style="list-style-type: none"> • Summary Writing • Writer’s Effects • Letter Writing • Speech Writing 	<ul style="list-style-type: none"> • Follow the link mentioned and understand the use of language. • Listen to various speeches and evaluate the features of a speech. • Analyse and evaluate ideas referring to the past papers 0500/1 	<p>http://teachers.cie.org.uk/community/resources/pt_view_resource?id=1411</p> <p>https://www.physicsandmathstutor.com/past-papers/gcse-english-language/cie-igcse-paper-2/</p>
English 2nd Language	<ul style="list-style-type: none"> • Reading & Writing · To skim and scan the passage and answer the questions appropriately. • To demonstrate the ability to extract relevant information from a wider range of 	<ul style="list-style-type: none"> • Practice reading every day. • Read different fields/ different genre of writing to improve your vocabulary. • Take note all new words and learn them. · • Practice reading techniques - scanning, skimming, intensive and extensive reading. • Write summary of the articles published in newspaper or magazine · • Attempt reading comprehension passages 	<p>https://www.esleschool.com/cambri-bridge-igcse-esl-exam-practice/</p> <p>https://www.youtube.com/watch?v=gpTaY8MAYOo</p> <p>https://www.youtube.com/watch?v=i8k42LvE7No</p> <p>https://www.youtube.com/watch?v=iW_CNFEmRIU</p>



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	<p>texts, including magazines and newspapers likely to be read by young people.</p> <ul style="list-style-type: none"> • To identify the important points or themes within an extended piece of writing. • To draw conclusions from and see relations within an extended text. 	<ul style="list-style-type: none"> • Attempt note-making exercises. • Attempt form filling exercise • Summarise a text. • Write an article based on any current issue. • Write an email to your friend on your preparations for the exam. • 	<p>https://www.youtube.com/watch?v=d0ecDgFRsFg</p>
English Literature	<ul style="list-style-type: none"> • To revise on the features and genre of short stories. 	<ul style="list-style-type: none"> • With your child, explore the genre of folk tales in your native language. The folk tale could also be in the form of poetry or song. • Try and convert the folk tale into a contemporary short story. 	<p>https://www.worldoftales.com/browse_all_folktales.html https://bookriot.com/2014/08/17/6-folktales-around-world-read-kids/</p>



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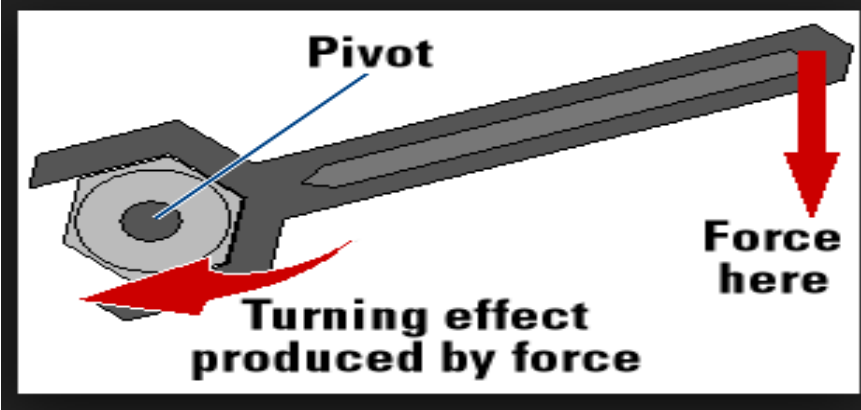
Mathematics (Accelerated)	Topic: GRAPHS Learning objective: <ul style="list-style-type: none">• To solve an equation from the graph by drawing required line.• To draw the tangent to the curve and estimate the gradient. Topic :Vectors Learning objective: <ul style="list-style-type: none">• To add vectors and multiply a vector by a scalar.• To calculate the position vectors	<ul style="list-style-type: none">• Create a lapbook as a learning tool on Vectors and Graphs Practice questions• http://bestexamhelp.com/exam/cambridge-igcse/mathematics-0580/2020/0580-m20-gp-42.php• https://www.savemyexams.co.uk/cie-igcse-maths-new/past-papers/	https://www.savemyexams.co.uk/igcse/ https://www.youtube.com/watch?v=bt-xg3bl3jc https://www.youtube.com/watch?v=cptHPWbLxRE https://www.youtube.com/watch?v=MohoNL5BuZ8&t=520s https://www.youtube.com/watch?v=lyYHsKRC7os&t=16s https://www.youtube.com/watch?v=pG1JHsFi6cQ https://www.youtube.com/watch?v=i0bsXUTbFa8 https://www.youtube.com/watch?v=qX1t0HNhf2M
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	<ul style="list-style-type: none"> To express given vectors in terms of coplanar vectors. 		https://revisionmaths.com/gcse-maths-revision/shape-and-space/vectors
Mathematics (Extended)	<p>Topic :Bounds Learning objective:</p> <ul style="list-style-type: none"> Calculate the upper and lower bounds of various operations using the rules of bounds <p>Topic :Map ratio Learning objective:</p> <ul style="list-style-type: none"> Work out the missing length/area/volume using the map ratio given 	Practice the examination questions given in Number assignment, self mark using marking scheme given in additional resources, taking corrective measures.	https://www.youtube.com/watch?v=LdczMmb7J-g https://www.onlinemathlearning.com/upper-lower-bounds.html https://www.mathsisfun.com/definitions/scale.html https://corbettmaths.com/2019/09/05/scales-and-maps-practice-questions/

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<p>Physics</p>	<p>Revision based on gap analysis-</p> <ul style="list-style-type: none"> • Turning effects of force • To describe the moment of a force as a measure of its turning effect and give everyday examples. • To describe, qualitatively, the balancing of a beam about a pivot. 	 <p>Two forces are causing the sea-saw to tip. The girls weight causes it to tip to the left ,while her father provides a force a tip to the right:</p>	<ul style="list-style-type: none"> • www.skool.co.uk • www.Islandphysics.com • https://www.youtube.com/watch?v=Bs9poMZp4tc • http://www.bbc.co.uk/schools/gcsebitesize/science/triple_aqa/using_physics_make_things_work/moments/revision/1/



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	To apply the idea of opposing moments to simple systems in equilibrium.	<ul style="list-style-type: none"> Investigate on how he can increase his turning effect. Use the ideas of stability and centre of mass to explain the following: Double- decker buses have heavy weights attached to their undersides. The crane has a heavy concrete block attached to one end of its arm, and others placed around its base. Make a compilation of pictures of variety of turning effect of forces in everyday life using PADLET. 	<ul style="list-style-type: none"> https://hgphysics.com/gp/h/c-forces/2-force-effects/1-moment/
Chemistry	Revision based on gap analysis – Chemical Bonding <ul style="list-style-type: none"> To show ionic bonding between metal and non-metal atoms. To show covalent bonding between nonmetal atoms, 	ACTIVITY 1: <ul style="list-style-type: none"> Past paper practice ACTIVITY 2: <ul style="list-style-type: none"> Research about Giant macromolecules and enlist their properties comparing with simple molecular and ionic compounds. Enlist various biological macromolecules. 	<ul style="list-style-type: none"> http://ichemey.blogspot.com/2013/01/ionic-bonding.html http://www.docbrown.info/page04/4_72bond.htm



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	<ul style="list-style-type: none"> To show dot and cross structures for ionic and covalent compounds. Distinguish between ionic and covalent bonding and state properties Explain metallic bonding 		<ul style="list-style-type: none"> https://www.youtube.com/watch?v=HHTOS2Tpj8Q https://www.youtube.com/watch?v=S08qdOTd0w0 https://www.s-cool.co.uk/gcse/chemistry/chemical-bonding/revise-it/covalent-bonding
Biology	Revision based on gap analysis – Enzymes:	<ul style="list-style-type: none"> Research on the enzymes that are used as biofuels using biotechnology. Elaborate on the type and working of the enzyme 	<ul style="list-style-type: none"> http://www.activesciencesgk.com/miniweb/content/enzymes/how do.htm http://www.bbc.co.uk/schools/gcsebitesize/science/ad



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	<ul style="list-style-type: none"> • To define the basic terms such as catalyst and enzymes. • To describe the importance of enzymes in all living organisms in terms of reaction speed. • To explain the specificity of enzymes and the enzyme reaction. • To investigate the factors affecting enzyme reaction. • Role of enzymes in fermentation and industries 	<ul style="list-style-type: none"> • Build a 3D working model of enzyme-inhibitor activity. • Research on a particular enzyme and its activity at different pH and temperature. Collect evidences and present it as a poster. • Outline the use of microorganisms and fermenters to manufacture the antibiotic penicillin and enzymes for use in biological washing powders • Encourage the students to discuss the role of the fungus Penicillium in the production of antibiotic penicillin& its uses in daily life. • Read about the production of enzymes using fermentation process ad create a news blog on the same. • 	<ul style="list-style-type: none"> • d ocr gateway/living growing/proteinsrev2.shtml • https://biotechnologyforbiofuels.biomedcentral.com/articles/10.1186/1754-6834-2-14 • https://youtu.be/OnwI0xnG8W4 • http://www.bbc.co.uk/schools/gcsebitesize/science/add_aqa/proteins/proteinsrev3.shtml • http://babbledabledo.com/25-steam-projects-for-kids/ • http://study.com/academy/lesson/alcohol-fermentation-definition-equation-process.html
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			<ul style="list-style-type: none"> • https://www.megazyme.com/select-an-industry/fermentation-and-enzymes • http://www.omicsonline.org/enzyme-production-by-fermentation-technology-scholarly-open-access-journals.php • https://www.tsijournals.com/articles/enzyme-synthesis-by-fermentation-method--a-review.pdf
Food and Nutrition	<ul style="list-style-type: none"> • An understanding of the terms used in nutrition and nutrition-related problems 	Determine the top benefits of Fats and Oils and Fruits and Vegetables in relation with health stating scientific reasons.	<ul style="list-style-type: none"> • https://www.eatforhealth.gov.au/food-essentials/five-food-groups • https://www.hsph.harvard.edu/nutritionsource/w



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	<ul style="list-style-type: none"> Composition and value of the main foods in the diet- Sources of vitamins and mineral and fat (fruits and vegetables, nuts; fats and oils. 		<p>hat-should-you-eat/vegetables-and-fruits/</p> <ul style="list-style-type: none"> https://www.betterhealth.vic.gov.au/health/healthyliving/fats-and-oils
Economics	<ul style="list-style-type: none"> To analyse how stock markets work. 	<p>The Stock Market</p> <ol style="list-style-type: none"> Research on the two largest stock exchanges in the world. Find out the total value of all the stock and shares traded through them in 2016. 'There are three types of stock that can be bought and sold through a stock exchange'. Briefly describe the types and which would you recommend for someone to buy? Why? What is 'speculation'? Who are bulls, bears and stags? 	<p>www.bis.org/chanks.htm; www.centralbanksguide.com/</p>



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Accounting	<ul style="list-style-type: none">To record day book entries into ledger accounts	<ul style="list-style-type: none">Interview people working in the Accounts Department of any organisation (it could be your own school)Identify the dual function of the cash book as a book of prime (original) entry and as a ledger account for bank and cash.Check with them the concept of Petty Cash Account.➤ Research on purpose of petty cash book and its Statement.➤ Why is there a need to have a petty cash book when there is a cash book ?Reflect your findings in the form of a class presentation.Please revise the following topic for term 1<ul style="list-style-type: none">➤ Introduction to accounting➤ Double entry book keeping➤ The trial balance➤ Double entry book-keeping- Part B	<p>www.tutor2u.net</p> <p>www.dineshbakshi.com</p> <p>www.cie.org.uk</p>



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Business Studies	<ul style="list-style-type: none"> • Business (Private) objectives and Stakeholders objectives • To assess the importance of business objectives and how it can satisfy stakeholders objectives as well. How these objectives help business activity/growth in developing and developed countries 	<ul style="list-style-type: none"> • State and explain PepsiCo VMOSA (Vision, Mission, Objectives, Strategies and Action Plans). Who are the stakeholders in the Company? How are they affected by business activity? (refer Page 56 in Textbook) • How will PepsiCo face the conflict of objectives between stakeholders while it is still diversifying its business with retail sector growing steadily? <p>Show your findings using 3 slides of power point presentation or one-page of write-up with pictures.</p>	<p> www.cie.org.uk www.xtermepapers.net www.tutor2n.net Text Book </p>
Travel and Tourism	<ul style="list-style-type: none"> • ICT in Travel and Tourism 	<p>Collect information from websites and explain how Travel and tourism providers make use of computerised information systems and relevant technology to obtain information. How they provide</p>	<p> www.bized.co.uk Local travel Magazines Textbook www.tutor2u.net </p>

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	<ul style="list-style-type: none"> Identify and explain Use of ICT in Travel & Tourism Industry 	tourism products & services to customers & how ICT helps in this (World span, Sabre, Galileo, World Wide Web).	
Sociology	Topic: Family Learning Objective: To analyse the different types of family. To examine the importance of family	Social stratification and ethnicity are associated with different types of families. Justify. Give reasons for the increase in single parent family Assess the claim that social stratification and ethnicity influences family diversity	PPT, Sociology course book
Psychology	Topic: Willingham's Theory and the effect on learning and development Learning Objective: To Explore Willingham's Learning Theory	Research on the implications of Willingham's Learning Theory To compare and contrast the Willingham's Learning Theory in relation to other cognitive theories	Psychology: Pearson's Edexcel Psychology Text book
Geography	Plate Tectonics and Maps: Learning Objective: To examine the different types of plate tectonics	Investigate areas affected by tectonic activities. List the areas that have earthquake and volcanoes. <ul style="list-style-type: none"> Describe the cause and effect of Earthquakes and volcanoes. 	http://www.s-cool.co.uk/gcse/geography/tectonics



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		<ul style="list-style-type: none"> • What strategies have been employed to deal with the impacts of earthquakes and volcanoes? <p>Choose one case study of earthquakes of volcanoes and make summary notes. Include maps of the affected areas</p>	<p>http://www.geographypods.com/21-plate-tectonics.html http://www.geointeractive.co.uk/ www.ngfl-cymru.org.uk www.geographylwc.org.uk</p>
<p>History</p>	<p>Topic: To what extent was the League of nations a success? Learning Objective: To analyse if the LON was a success or failure</p>	<p>Students to will watch a video about the League of Nations https://www.youtube.com/watch?v=Gsb93GOLSGY The league of nations was successful in achieving its aims.' How far do you agree to this statement? Explain your answer. How far do you agree that the structure of the League was the major reason for its down fall? Explain your answer. Create a political cartoon portraying the role of the League of Nations using one or more of the following: Symbols, Caricatures, and/or Stereotypes.</p>	<p>https://www.bbc.co.uk/bitesize/guides/z98xi6f/revision/1 https://courses.lumenlearning.com/suny-hccc-worldhistory2/chapter/the-league-of-nations/</p>



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Global Perspectives	Skills development Researching and analysing knowledge claims	1. For the topic of COVID-19, you will research the Claim “Covid-19 may in the long run have positive consequences which may have been ignored” How will you research this claim? <ul style="list-style-type: none"> • Identify the information that you will need to test this claim • The sources of this information • The methods you will use to collect the information • How you will test the claim <p style="text-align: center;">You will present your research in the form of a short report of 500 words. You will include a list of the sources you have used for research at the end.</p>	Students select their own sources for research.
Environmental Management	Energy and the Environment	Research the sources of energy commonly used in UAE. Create a presentation of your choice which should include the following points: <ul style="list-style-type: none"> • Why UN SD Goal # 7 matters • Energy sources in UAE and their impact on the environment • Solutions to the environmental impact of energy. Innovative/sustainable energy ideas.	https://www.irena.org/publications/2015/Apr/Renewable-Energy-Prospects-United-Arab-Emirates https://www.uae-embassy.org/about-uae/energy-uae



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			<p>https://en.dubai-freezone.ae/articles-about-bussines-in-uae/electrical-power-in-the-uae.html</p> <p>https://www.world-nuclear.org/information-library/country-profiles/countries-t-z/united-arab-emirates.aspx#:~:text=The%20UAE%20is%20embarking%20upon,GWe%2C%20by%202020%20at%20Barakah.</p>
ICT	<p>Topic: Microsoft Excel</p> <p>Lesson Objective: To create spreadsheets using MS EXCEL, and explore</p>	<p>Microsoft Excel is a spreadsheet program used to store and retrieve numerical data in a grid format of columns and rows. Excel is ideal for entering, calculating and analyzing company data such as sales figures, sales taxes or commissions.</p>	<p>www.aceit-training.com</p> <p>https://www.youtube.com/watch</p> <p>https://www.udemy.com/excel-quickstart/</p>



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	<p>entering formulas, sort data and format cells</p> <p>Lesson Outcome: Will be able to create spreadsheet using MS EXCEL, use formulas and try test data in the model.</p>	<p>Support your child:</p> <ul style="list-style-type: none"> • Create the layout for spreadsheet data model for an organization. • Enter formulae and functions to calculate the salary of employees • Manipulate the data so as to calculate profit of the company if salary was reduced by 10%. • Test the data model . • Sort the data model to get the highest working hour and to find employee with maximum experience. • Change the display and the format of cells • Change the size of row and column . • Adjust the page orientation 	
<p>Computer Science</p>	<p>Topic: Binary Systems</p> <p>Learning Objective:</p>	<ul style="list-style-type: none"> • Encourage your child to spend time practicing converting between binary and decimal and vice versa. A good 	<p>https://www.electronicstutorials.ws/binary/bin_2.html</p>



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	<ul style="list-style-type: none"> • Students will be able to convert decimal numbers into binary and hexadecimal numbers. • Students will be able to explore about ASCII codes. 	<p>resource for practicing binary number conversions is the Cisco Binary Game.</p> <ul style="list-style-type: none"> • Discuss with your child about ASCII chart to see how these different number systems are used to represent the symbols on the keyboard. • Motivate your child to spend time in developing a pseudocode/flowchart that can be used to convert between any base system and our decimal number system. Also encourage them to create a report on these algorithms that can be presented and shared with others. 	
Physical Education	<ul style="list-style-type: none"> • Skeletal and muscular system • Respiratory system • Circulatory system • Energy supply and the effects of exercise on the body • Simple biomechanics 	<p>Revisit the topics which we have finished.</p>	<p>www.bbc.co.uk</p> <p>www.teachpe.com</p>



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Art	AO1, AO2	A) an ability to record from direct observation and personal experience B) creativity, visual awareness in an imaginative, creative and personal response	www.studentartguide.com
French	<ul style="list-style-type: none"> • Topics: • Mon école • La vie à l'école <p>Les matières scolaires</p> <ul style="list-style-type: none"> • L'heure • Ma maison • Qu'est-ce que je fais dans chaque pièces à la maison 	<p>Activities : students go through the different links (practice/exercices) to revise and practice the different topics :</p> <ul style="list-style-type: none"> • https://www.bonjourdefrance.com/exercices/contenu/le-vocabulaire-de-lecole-en-francais.html • https://www.bonjourdefrance.com/exercices/contenu/les-matieres-scolaires-vocabulaire-francais-precoce.html • https://flenantes.wordpress.com/2015/02/06/lheure-et-les-moments-de-la-journee/ • https://leflapourlescurieux.fr/lexique-de-la-maison-les-differentes-pieces-vocabulaire-a1/ • https://www.klbict.co.uk/interactive/french/fvoc_lela.htm 	<p>Useful links and website :</p> <ul style="list-style-type: none"> ➤ My eating habits : <ul style="list-style-type: none"> ▪ https://www.france-hotel-guide.com/fr/blog/plats-francais-typiques/ ▪ https://www.marmiton.org/recettes/album1324399/cuisine-francaise-65-recettes-traditionnelles-0.html#p1 ▪ https://www.santemagazine.fr/alimentation/acheter-et-cuisiner/repas-equilibre/comment-



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	<ul style="list-style-type: none"> • les articles définis/les articles indéfinis/ • les adjectifs • l'accord des adjectifs • les pronoms personnels • les verbes pronominaux • les verbes irréguliers au présent de l'indicatif • les prépositions de lieu • les articles partitifs/les adjectifs irréguliers/les comparaisons • Mes habitudes de manger/les repas/la nourriture internationale 	<ul style="list-style-type: none"> • https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-93338.php • https://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-19098.php • https://www.tolearnfrench.com/exercices/exercice-french-2/exercice-french-22285.php • https://français.lingolia.com/fr/grammaire/les-pronoms/pronoms-personnels/exercices • https://www.agirenfrancais.com/fle/les-verb-irreguliers-du-francais/ • https://www.bonjourdefrance.com/exercices/contenu/les-prepositions-de-lieu.html • https://www.bonjourdefrance.com/exercices/contenu/parler-de-bonnes-habitudes-alimentaires.html • https://oraprdnt.uqtr.quebec.ca/pls/public/docs/GSC2213/F486168017_Les_partitifs_exercices_et_corrige.pdf • https://www.colanguage.com/fr/les-adjectifs-irr%C3%A9guliers 	<p>equilibrer-son-alimentation-172338</p> <ul style="list-style-type: none"> ▪ https://fittrack.fr/blogs/blog/pourquoi-manger-equilibre-est-important <p>➤ Vocabulaires :</p> <ul style="list-style-type: none"> ▪ https://www.lepointdufle.net/p/lexique-la-nourriture.htm ▪ https://lebaobabbleu.files.wordpress.com/2014/04/1-lexique-de-la-nourriture.pdf ▪ https://www.lexique-alimentation-sante.com/definition/equilibre-alimentaire/
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		<ul style="list-style-type: none"> • http://georgie.bonjourdumonde.com/exercices/contenu/faire-un-comparaison.html • http://www.le-francais-efficace.fr/HTLM/comparaisons-connues.php • 	
Arabic (Arabs)	<p>TOPIC: التقديم والتأخير</p> <p>Learning objectives: أن يوظف أسلوب التقديم والتأخير أن يعرب أسلوب التقديم والتأخير</p>	<p>يستخرج أسلوب التقديم والتأخير يوظف أسلوب التقديم والتأخير في فقرة</p>	http://www.voiceofarabic.net/ar/articles/2340
Islamic Education (Arabs)	<p>TOPIC: جمع القرآن الكريم</p> <p>Learning objectives:</p>	<p>يحرص على التقوي والاخلاص في كل أمور حياته يكتب بحثا عن مراحل جمع القرآن في عهد عثمان بن عفان يكتب تقريرا عن رسم المصحف العثماني</p>	https://www.youtube.com/watch?v=QfhQGnNzjZE

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	<p>أن يقارن بين مراحل الجمع في أبو بكر وعهد عمر بن الخطاب -ييدي رأيه في جمع القرآن الكريم</p>		
<p>Islamic Education (Non Arabs)</p>	<p>TOPIC: <u>Stages of collection the Quraan</u></p> <p>Learning objectives:</p> <ul style="list-style-type: none"> - able to explain the stages of collecting AL Quran. -Compare the efforts of Abu Bakr As Siddiq in serving Al Quran to those of Uthman R.A. 	<ol style="list-style-type: none"> 1. Write an essay or a journal report about Miracles in Al Quran Al Kareem. 2.. Write an essay to a friend convincing him why Muslims believe that Al Quran is not changed unlike previous book 	<p>http://bak.whyislam.org/submission/the-holy-quran/arrangement-and-collection-of-the-quran/</p>



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Moral Education	<ul style="list-style-type: none">• How Wealth Can Be a Force for Good?	Discuss how less fortunate people can be financially supported.	https://www.youtube.com/watch?v=9FrFxOKIU_A
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