



Area for learning	Focus	Activities	Useful Websites/Apps
English 1 <sup>st</sup> Language	Speech Writing	<ul> <li>Watch the famous speeches by Abraham Lincoln, Mother Teresa, Martin Luther King Jr. or any such powerful and inspiring personality.</li> <li>Discuss and present the following information in the form of a brainstorm.</li> <li>Your initial feeling or response after having listened to the speech.</li> <li>The occasion and purpose of the speech.</li> <li>A brief on the content of the speech.</li> <li>What makes the speech inspiring and motivating.</li> <li>Identify and state persuasive techniques employed.</li> </ul>	https://www.artofmanliness.co m/2008/08/01/the-35- greatest-speeches-in-history/ https://www.youtube.com/wat ch?v=NxHN_JZfEoA https://www.youtube.com/wat ch?v=I36Nistc9wE
English 2 <sup>nd</sup> Language	Reading and Writing Skills	<ul> <li>Read newspaper and magazine articles, and a wide range of formal and informal letters. (At least one text every day)</li> <li>Annotate them identifying their tone and register.</li> </ul>	http://www.articleteller.com/h ow-to-write-an-article





		Also comment on the use of punctuation, vocabulary, complex sentence structures and connectives.	http://blog.ezinearticles.com/2 012/09/formal-and-informal- writing-examples.html http://www.tesoltasks.com/G rade10Revision.htm
English Literature	To focus on the relevance of Macbeth as a play and Shakespeare as a playwright in the 21st Century	<ul> <li>Watch the TED talk provided in the link provided.</li> <li>Watch the trailer of the 2015 movie – Macbeth.</li> <li>Discuss how the movie as a genre in 21<sup>st</sup> century would be different from the presentation of the same as a drama in Elizabethan times.</li> </ul>	https://www.youtube.com/wat ch?v=rD5goS69LT4 https://www.youtube.com/wat ch?v=YqHhKuCQmoY
Mathematics (Accelerated)	<ul> <li>Vectors</li> <li>To apply position vectors</li> <li>To apply sums and difference to express one vector in terms of two others Represent vectors by directed line segments</li> </ul>	Create a spider diagram on vectors.	https://www.tes.com/teaching -resource/gcse-9-1-exam- question-practice-vectors- 11781002 https://mathsmadeeasy.co.uk/ gcse-maths-revision/vectors- gcse-revision-and-worksheets/





	<ul> <li>To use the sum and difference of two vectors to express given vectors in terms of two coplanar vectors.</li> <li>To calculate the magnitude of a vector</li> </ul>		https://www.3minutemaths.co .uk/gcse-mathematics-vector- questions/ https://mrvahora.files.wordpre ss.com/2015/06/vectors- questions.pdf http://www.explainingmaths.c om/what-is-vector- geometry.html
Mathematics (Extended)	<ul> <li>Histograms:         <ul> <li>To draw a histogram and interpret it from the given continuous data</li> </ul> </li> <li>Trigonometry:         <ul> <li>To recall application of Pythagoras theorem and Trigonometric ratios in a right triangle</li> </ul> </li> </ul>	<ul> <li>Research on the applications of histograms. Differentiate between histograms and bar charts</li> <li>Research on the real-life applications of Trigonometry. Present your findings using power point/ video/ Prezi /poster.</li> <li>Create notes/formula booklet on Trigonometric concepts. Include examples and figures too.</li> </ul>	https://www.mathsisfun.com/da ta/histograms.html https://www.bbc.co.uk/bitesize/ guides/zc7sb82/revision/9 www.mathsisfun.com/algebra/tr igonometry.html www.mathsteacher.com.au/year 10/ch15_trigonometry/12_eleva tion_depression/23elevdep.htm





To calculate	ate bearing of a	https://www.bbc.com/bitesize/g
point w	ith respect to	uides/zqwhjty/revision/1
another		https://www.cimt.org.uk/project
To find a	ngle of elevation	s/mepres/step-
/depressi	on in word	up/sect4/index.htm
problems		https://www.youtube.com/watc
To apply	sine rule and	h?v=JJMZJFWMrpM
	le in calculating	www.mathsisfun.com/algebra/tr
missing si	de /angle in non-	ig-sin-cos-tan-graphs.html
right-angl	ed triangles.	www.bbc.com/bitesize/guides/z
• To calcu	late area of a	pkdd2p/revision/2
triangle u	sing the formula,	
½ ab Sin O	•	
To apply	Trigonometry in	
	g missing length/	
angle in 3		
	Sine and Cosine	
curves		



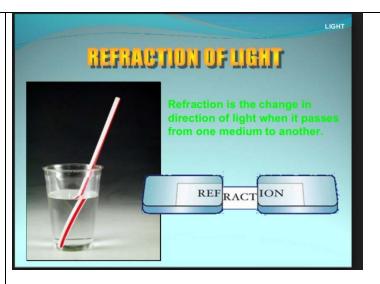


#### Physics Refraction of light:

 To describe an experimental demonstration of the refraction of light.

#### **Total internal reflection:**

- To describe the passage of light through parallel sided transparent material.
- To give the meaning of critical angle.
- To describe total internal reflection



- Investigate on refractive materials in different situations, e.g. glass and their uses.
- Research on how an infrared remote-control device for a TV works.

www.cie.org.uk
www.skool.co.uk
https://www.youtube.com/watc
h?v=RdFeITDxZ3M
https://www.youtube.com/watc
h?v=Kzo2Gs6SThE
https://www.scribd.com/doc/13
5561521/IGCSE-PhysicsRefraction-experiment
http://www.bbc.co.uk/bitesize/h
igher/physics/radiation/refractio

www.Islandphysics.com

n/revision/2/





		<ul> <li>Investigate the effects of coloured lighting in shops, in theatres and on TV.</li> <li>Research on why when the ray travels from air to glass, the angle of refraction is smaller than the angle of incidence.</li> <li>Create a list of questions based on Bloom's taxonomy to check understanding of topic of your peers for the topic.</li> <li>Research and present your work on real life applications of correlation and regression of light.</li> <li>Research on why do we see a distorted view when we look through a window that is covered with raindrops?</li> </ul>	
Chemistry	Acids, Bases and Salts  To describe neutrality and relative acidity and alkalinity in terms of pH measured using Universal Indicator paper (whole numbers only)	<ul> <li>Hands on activity:</li> <li>Find out the pH value of various household substances by preparing and using cabbage indicator.</li> <li>Fill the data sheet attached.</li> </ul>	https://www.teachengineering.org/view activity.php?url=collection/cub/activities/cub air/cubair_lesson06_activity1.xml  https://sites.google.com/site/internationalgcsechemistry/year-9-topics/acids-alkalis-and-salts





- To define acids and bases in terms of proton transfer, limited to aqueous solutions
- To describe the characteristic properties of acids as reactions with metals, bases, carbonates and effect on litmus and methyl orange
- To describe the characteristic properties of bases as reactions with acids and with ammonium salts and effect on litmus and methyl orange
- To describe the displacement of ammonia from its salts

su have 10 cups with different so thate inice in each cup until you	see a color chance. Remember:	ta Sneet tange of each solution. Next, test Acad: turn the cabbage jusce more ther the substance is an acad or but	e read and bases from the cabbo
Solution	Predicted Color Change	Actual Color Change	Acid or Base?
Vinegar			
Lemon Juice			
omato/Apple Juice			
Distilled Water			
Salt Water			

#### Research:

- Application of acids- bases in the daily life- making of medicines, tooth pastes, etc,
- Enlist various acid bases reactions taking place inside the body.
   CROSS CURRICULUM: Biology
- Importance of alkaline and acidic medium inside the body- pH specificity for activity of enzymes.
- Effects of acids on the environment- living and non-livings-CROSS CURRICULUM: Environmental Management

http://www.memrise.com/cours e/198260/igcse-chemistry-acidsbases-and-salts/ http://ichemey.blogspot.ae/201 3/01/acids-bases-and-salts.html www.bbc.co.uk/schools/gcsebite size/science/add\_aqa/acids/acid sbasesact.shtml





	<ul> <li>To describe the meaning of weak and strong acids and bases</li> <li>To classify oxides as either acidic or basic, related to metallic and non-metallic character</li> </ul>	<ul> <li>Plan and investigate the nature of acid- base reactions (neutralization) as endothermic or exothermic reactions by using substances used in the daily life.</li> </ul>	
Biology	<ul> <li>Transport in mammals</li> <li>To describe the circulatory system as a system of</li> </ul>	<ul> <li>Construct an infographic poster on how the blood is pumped?</li> <li>Construct a fact sheet on circulatory system and its importance.</li> </ul>	http://www.livescience.com/224 86-circulatory-system.html https://youtu.be/uKdZVt1vBlQ
	blood vessels with a pump and valves to ensure one- way flow of blood	•	https://youtu.be/H04d3rJCLCE





- To identify the structures of the mammalian heart, limited to the muscular wall, the septum, the left and right ventricles and atria, one-way valves and coronary arteries
- To describe the difference between single and double circulation
- To explain the structure and function of heart
- To describe coronary heart disease in terms of the blockage of coronary arteries
- To plan an investigation to find out the effect of

- To identify the structures of the mammalian heart, of the mammalian heart, of the mammalian heart, of the mammalian heart.
  - Give some real-life examples for single and double circulation with appropriate description.
  - Create a TED ed lesson on coronary artery disease.
  - Carry out an investigation to find out the pulse rate, before and after exercises and prepare a report on it.
  - Calculate the heart beat in infants, children and adults and prepare a report on this investigation.
  - Create a mind map on the role of plasma and its importance.
  - Importance of plasma fibronectin in determining PFP and PRP clot mechanical properties.
  - Create a flow chart on the importance of RBC in continuous flow of blood.
  - Describe the role of fibrinogen.

http://www.livescience.com/541 24-the-telltale-heart-factsabout-your-blood-pumpinfographic.html http://www.pbslearningmedia.o rg/resource/tdc02.sci.life.stru.lp circula/the-circulatory-system/ http://www.pbslearningmedia.o rg/resource/tdc02.sci.life.stru.cir culator/from-the-heart/ http://www.pbslearningmedia.o rg/resource/tdc02.sci.life.stru.tr ansplant/ http://www.bbc.co.uk/schools/g csebitesize/science/triple ocr g ateway/the living body/circulat ory\_systems\_cardiac/revision/2/





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physical activity on the	http://www.ivyroses.com/Biolog
pulse rate.	<u>y/Transport/Double-</u>
To understand the role of	<u>Circulation.php</u>
plasma in the transport of	http://www.webmd.com/heart-
carbon dioxide, digested	disease/guide/heart-disease-
food, urea, hormones and	coronary-artery-disease#1
heat energy.	http://www.henry.k12.ga.us/cur
To elaborate on the	/mybody/circ_lessons.htm
adaptations of red blood	https://youtu.be/NZ14XjOQoFY
cells for the transport of	https://youtu.be/puTqZP0ETfQ
oxygen, including shape,	https://youtu.be/_48GlGiozXI
structure and the	
presence of haemoglobin.	
To recall that platelets are	
involved in blood clotting,	
which prevents blood loss	
and the entry of	
microorganisms.	





Food and	Basic proportions and	How to Adjust a Recipe	http://www.betterhealth.vic.gov
Nutrition	methods of making:	Flapjacks Serves: 10	
Nutrition	<ul> <li>Principles involved in the different methods of making –Biscuits, cookies, scones and cakes made by creaming, melting, onestage, rubbing-in and whisking methods.</li> <li>Pastries – short crust, flaky and rough puff.</li> <li>Sauces – pouring and</li> </ul>	Flapjacks  > 120g butter  > 100g dark brown soft sugar  > 4 tablespoons golden syrup  > 250g rolled oats  > 40g sultanas or raisins  How much of each ingredient would you need to make flapjacks for?  > 2 people  > 5 people  Extension:  How much of each ingredient is needed to make flapjack for 9	.au/bhcv2/bhcarticles.nsf/pages/ Food processing and nutrition  https://opentextbc.ca/basickitch enandfoodservicemanagement/c hapter/convert-and-adjust- recipes-and-formulas/
	coating; roux and blended methods.  Batters – thin (pouring) and coating.  Sweet and savoury yeast	people?	





	products		
Economics	The role of trade unions	Research about the Industrial dispute that had happened in Hero Honda in Gurgaon (India) in 2006 and what were the consequences that the company had to face due to it.	https://www.google.com/ http://www.authorstream.com/ Presentation/shrutithejas- 1215446-hero-honda-strike- case-final-ppt/
Accounting	<ul> <li>To recognize the reason for the difference between bank balance as per cash book and pass book</li> <li>To determine correct bank balance as per cash book</li> </ul>	<ul> <li>Research on the need of preparing Bank Reconciliation Statement and also Identify the reasons for differences between the cash book balance and the bank statement balance</li> <li>Draw up the format for bank reconciliation Statement.</li> </ul>	www.myaccountinglabs.com Text book
Business Studies	<ul> <li>To explain the economic objectives of government and to understand the business cycle.</li> <li>To explain the ways in which activity might be</li> </ul>	<ul><li>business activities.</li><li>Prepare a mind map on Globalisation and its threats and opportunities.</li></ul>	www.tutor2u.net  Newspapers and Magazines  Text Book





	affected by government economic decisions and how business might respond.	Write a debate on "Business should produce goods and"	
Travel and	• To understand the major	Dubai as a Tourism Destination:	The UAE's tourist or visitor guide
Tourism	influencers in travel		UAE tourist board's Destination
	industry. Learn how	What are the factors that attract tourists to Dubai?	<u>Manual</u>
	location/ global position,	How do these factors influence the tourism growth?	Internet sites, e.g., local
	climatic conditions are	What is the importance of growing tourism industry in Dubai?	attractions and destinations.
	favourable for this		The Columbus Guide to World
	industry	You could present your findings as a report.	<u>Tourist Attractions</u>
			https://prezi.com/pamxm1oxeot
			4/dubai-as-a-tourism-
			destination/





Sociology			
	Culture, Identity and Socialisation	<ul> <li>Research on: considerable diversity in multicultural societies in cultures and behaviour</li> <li>To what extent is human behaviour shaped by nature or nurture?</li> </ul>	www.sociology.org.uk www.s-cool.co.uk www.tes.co.uk
Psychology	Research methods – Research designs: independent, repeated measures and matched pairs design.	<ul> <li>Investigate the experimental research designs used in psychological studies and analyse the strengths and weaknesses of each design.</li> </ul>	https://www.simplypsychology.org/experimental-designs.htmlhttps://opentextbc.ca/researchmethods/chapter/experimental-design/
Geography	Coasts	<ul> <li>Research on marine erosional and transport processes.         Describe the processes by which waves may erode a coastline.         What methods may be used to protect the coastline from erosion?     </li> <li>What are coral reefs? Under what conditions do they develop?</li> <li>Describe the process of longshore drift.</li> </ul>	www.ngfl-cymru.org.uk www.geographylwc.org.uk www.geographypages.com www.geographygeek.co.uk www.revisionworld.co.uk/level/ geography





History			http://www.activehistory.co.uk/i gcse/revision.htm file:///C:/Users/ernest.n_win/Do wnloads/History%20Notes.pdf
	How effectively did USA contain the spread of		http://igcse-history.weebly.com/ http://www.mrallsophistory.com
	communism?	<ul> <li>Research the different policies adopted by USA to stop the spread of communism.</li> <li>Create a presentation of their choice on efforts made by USA</li> </ul>	/revision/ https://papacambridge.com/pas t-papers/cie/sy-qp-
		to contain the spread of communism.	ms/igcse/history-0470/
Global	Individual Report	Choose and investigate one topic from the following:	Any reliable research sources.
Perspectives	<ul><li>Introduction:</li><li>Belief systems</li><li>Biodiversity and ecosystem loss</li></ul>	Write a report of about 1000 words. The report should contain the following:	Avoid Wikipedia
	<ul> <li>Changing communities</li> </ul>	Your research question	
	Digital world	• Introduction	
	• Family	Global perspectives	
	Humans and other species	National perspectives-UAE	





	<ul><li>Sustainable living</li><li>Trade and aid</li></ul>	<ul> <li>Personal perspective-you, family, friends etc.</li> <li>Cultural perspectives</li> <li>Possible/future scenarios</li> <li>Courses of action</li> <li>Evidence based Personal response Avoid plagiarism.</li> </ul>	
Environmental Management	Climate change  To investigate the cause and effects of climate change	<ul> <li>Investigate how human activities may affect the atmosphere and weather.</li> <li>Write a summary on:         <ul> <li>What is global warming?</li> <li>What are the causes of global warming?</li> <li>What are the likely effects of global warning, give examples?</li> <li>What strategies can be used to deal with the cause and impacts of global warming?</li> </ul> </li> </ul>	http://www.yourclimateyourlife. org.uk/ www.foe.co.uk http://www.cat.org.uk/educatio n/ www.coolkidsforacoolclimate.co m www.carbontrust.co.uk/publicati ons www.epa.gov/globalwarming www.ngfl-cymru.org.uk www.geographylwc.org.uk www.geographypages.com





de  • To  m  • To  be  di  • To  co  ar  • To	leasuring and control evices  To describe a range of measurement applications  To explain the difference between analogue data and digital data  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> <li>In every walk of life, computers are been used as measuring device and controlling device. Life is automated to a large extent.</li> <li>Research on the various range of measuring applications used around us. Create a report, specifying following concepts:         <ul> <li>Explain various measurement applications (e.g. scientific experiments, weather stations)</li> <li>Explain the difference between analogue data and digital data.</li> <li>Explain the need for conversion between analogue and digital data.</li> <li>Describe the use of microprocessors and computers in a number of applications. (e.g. pollution monitoring, intensive care units in hospitals)</li> <li>What is the main difference between monitoring and controlling of a process?</li> <li>Name various sensors and describe three different applications which use these sensors.</li> </ul> </li> </ul>	https://www.ictlounge.com/htm l/sensors_new.htm https://www.igcseict.info/theory /2/sensor/index.html https://www.teach- ict.com/gcse_new/control/control/tasks_control.htm
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Computer	Security and Ethics	• Imagine you have been employed as the Cyber Security Advisor	www.pbs.org/wgbh/nova/labs/l
Science	<ul> <li>Infer the importance to keep data safe from accidental damage, including corruption and human errors.</li> <li>Infer the need to keep data safe from unauthorized viewing, deleting, copying and corruption.</li> <li>Describe the importance of passwords, firewalls.</li> </ul>	<ul> <li>for a local business. Create a user guide or infographic to help staff understand what security measures are and why they should use them to prevent cyber security threats. Include images to support your explanations.</li> <li>Link to a game about cyber security from the link given.</li> <li>Create a video on cyber security.</li> <li>Research on importance of strong passwords and firewalls.</li> <li>Create a report for different forms of malware.</li> <li>Add notes about preventing the form of malware and find images to represent each section of malware.</li> </ul>	ab/cyber/ https://www.veracode.com/blog /2012/10/common-malware- types-cybersecurity-101
Physical Education	<ul> <li>To learn about health and fitness.</li> <li>To know the importance of good health in life.</li> </ul>	<ul> <li>On A3 paper create a poster that clearly defines all aspects of good health and fitness.</li> <li>Incorporate all the information you have learnt from this lesson and use your own additional ideas from other resources like the internet, health magazines and newspaper articles.</li> </ul>	www.teachpe.com www.britishschoolofboston.org www.cie.org.uk www.innerbody.com www.physicaleducation.co.uk





Art	To develop ideas through investigation, demonstrating critical	<ul> <li>Show ideas that evolve creative process and what your intentions are.</li> <li>Evaluate your progress and make decisions about what is</li> </ul>	www.studentartguide.com
	understanding.	working well. Indicate what has influenced your work (possibly artists, places of interest, etc.).	
French	<ul> <li>Mon boulot</li> <li>To discuss the importance of having a job "advantages and disadvantages" and talk about your dream job using complex structures and justified opinions.</li> <li>Also to learn how to use hypothesis (la règle de si)</li> </ul>	SPEAKING: « Qu'est-ce que tu vas faire comme boulot après avoir fini le collège? / Est-ce que tu as fait un autre boulot au passé? /Tu aimes ce travail? /Est-ce que tu voudrais faire le même travail plus tard dans la vie? / Quels sont tes projets pour le futur? /Quel est le job de tes rêves?Pourquoi? https://www.youtube.com/watch?v=EsvEy_tqxTc https://www.youtube.com/watch?v=EsvEy_tqxTc https://www.youtube.com/watch?v=esvAk-7q4F6E "imp" https://www.youtube.com/watch?v=0s4iqfwTGLw  Check them all they have the same start but there are different details in each https://www.bbc.co.uk/bitesize/guides/zhd6cqt/revision/7 https://www.bbc.co.uk/bitesize/guides/zhd6cqt/revision/8  Role play https://www.bbc.co.uk/bitesize/guides/zjbdscw/revision/1	READING: https://www.bbc.co.uk/bitesize/ guides/zjbdscw/revision/5  https://www.bbc.co.uk/bitesize/ guides/zjbdscw/revision/6  https://www.bbc.co.uk/bitesize/ guides/zhd6cqt/revision/5  https://www.bbc.co.uk/bitesize/ guides/zhd6cqt/revision/6





https://www.bbc.co.uk/bitesize/guides/zjbdscw/revision/2 https://www.bbc.co.uk/bitesize/guides/zhd6cqt/revision/1 LISTENING:

https://www.youtube.com/watch?v=ka9kVAD-INY&t=221s https://www.youtube.com/watch?v=Az351m2PeqU

<u>WRITING</u>: Vous écrivez un article pour un magazine français. Présentez et justifiez vos idées et vos points de vue sur le thème ci-dessous.

« Le monde du travail »

Vous pouvez ajouter plus d'information, mais vous devez : expliquer l'importance d'un stage en entreprise Décrire un petit boulot que vous avez fait Écrivez environ 150-180 mots en français.

 $\underline{https://www.bbc.co.uk/bitesize/guides/zjbdscw/revision/8}$ 

You also can practice through this link

https://www.bbc.co.uk/bitesize/guides/zjbdscw/revision/7





Arabic (Arabs)	Unit:		https://www.youtube.com/watc
	شعر (شيخ العرب )	يحلل الطالب النص تحليلاً أدبيًا	<u>h</u>
	أن يحلل الطالب النص تحليلاً أدبيًا	يقارن بين نصوص مختلفة مقارنة أدبية	
	أن يقارن بين نصوص مختلفة مقارنة		http://fahedalasdy
	أدبية	يحلل الطالب العناصر الفنية	
	<u>Unit:</u>	يصف الطالب الشخصيات	
	قصة الرجل العجوز		
	أن يحلل الطالب العناصر الفنية		
	أن يصف الطالب الشخصيات		
Islamic	العفة – رعاية الرسول (ص) لأهل		
Education	بيته	يكتب بحثا عن رعاية الرسول (ص) ورعايته لأهل بيته	https://www.youtube.com/wat
(Arabs)	يعرف مفهوم العفة	يكتب تقريرا عن أثر العفة على لافرد والمجتمع	ch?v=9ArCNu1TS4w
	يوضح العلاقة بين الاستعفاف	يكتب موضوعاً عن الاستعفاف وأثاره على المجتمع	
	والمروءة	سيكلف الطالب بتكليفات بيتية ويحرص على حفظ سورة الكهف	https://www.youtube.com/wat
	يبين أنواع العفة	• • • • • • • • • • • • • • • • • • •	ch?v=H12YXIkSHKc
	يذكر نماذج للعفة من القرآن الكريم		
	يحلل أثار العفة الاجتماعية		
	يقترح قواعد وقائية للعفة		





Islamic	Faith in the Unseen	• Create a power point presentation on benefits of believing in	https://www.youtube.com/watc
Education	Explain the importance of	Unseen.	<u>h?v=zqHq16gFniU</u>
(Non-Arabs)	believing in the Unseen.		
	• Find evidences of the		
	expansive omniscience of		
	Allah from the holy		
	Qur'an.		
	Mention the benefits of		
	the belief in the unseen.		





Moral	<b>Preserving Cultural and</b>	Think of the UAE heritage and answer the following questions	https://26313252-
Education	Natural Heritage	below	986486660976945322.preview.e
	Pillar: Cultural Studies	<ul><li>What should be preserved and how?</li></ul>	ditmysite.com/uploads/2/6/3/1/
		<ul> <li>In what ways is our heritage shaped by our environment?</li> </ul>	26313252/med sb g08 en 27
		Are natural materials and animals an important part of our	sep digital.pdf
		culture and heritage?	https://www.goodcharacter.com
		<u>Tasks</u>	/middle school/respecting-
			others/
		• Read the text in Task 3 on page18 and answer the questions	Moral education text book
		that follow.	