

Aim High Study Progress Programme
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Area for learning	Focus	Activities	Useful Websites/Apps
English 1st Language	To practise the various skills that are needed for the IGCSE exam	<ul style="list-style-type: none"> Choose a scene from any of your favourite sitcoms or movies. Freeze the frame and observe the frame closely. Discuss and share what aspect of that scene makes it memorable. What was the effect of the scene on you as an audience? <p>How does the scene affect the rest of the narrative?</p>	<ul style="list-style-type: none"> www.youtube.com
English 2nd Language	Reading Comprehension Letter Writing Article Writing Vocabulary Features of Academic Writing Skimming and Scanning	<ul style="list-style-type: none"> Imagine you have invented a new device. Write a letter to your friend telling him/her what it is; why you invented it; what inspired you and how useful it is? Also mention the concerns you have about the device. Write an article for your school magazine on your views about the idea of having compulsory after 	<ul style="list-style-type: none"> www.englishforeveryone.org http://esligcse.webs.com www.streetdirectory.com/.../benefits_of_after _school_programs.html



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	skills	school lessons.	
English Literature	To enhance understanding of short story as a genre	<ul style="list-style-type: none"> • Research on the features of short story as a genre. • How does it differ from a novel? • How does it affect the reader differently? • What are the constraints and benefits of the genre? <p>Research on the famous short story writers of the 20th and 21st century.</p>	<ul style="list-style-type: none"> • www.gutenberg.org
Mathematics (Accelerated)	<p>Topic: Integration</p> <p>Lesson Objective:</p>	<p>Research on the application of integration</p> <p>An Architect Engineer uses integration in determining the amount of the necessary materials to construct curved shape constructions (e.g. dome over a sports arena) and also to measure the weight of that structure.</p>	<p>https://tutorial.math.lamar.edu/classes/calci/integrationbyparts.aspx</p> <p>https://tutorial.math.lamar.edu</p>

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	<ul style="list-style-type: none"> Extend the idea of 'reverse differentiation' to include the integration exponential, logarithms and trigonometric functions. Use trigonometrical relationships in carrying out integration. <p>Use a given substitution to simplify and evaluate either a definite or an indefinite</p>	<p>In Electrical Engineering, Integration is used to determine the exact length of power cable needed to connect two substations, which are miles away from each other.</p>	<p>u/problems/calci/substitution ruleindefinite.aspx</p> <p>https://math.libretexts.org/Courses/Mount_Royal_University/MATH_1200%3A_Calculus_for_Scientists_I/4%3A_Integral_Calculus/4.1%3A_Integration_by_Substitution</p> <p>https://www.youtube.com/watch?v=PyLXFY3VkNE</p> <p>https://liavas.net/courses/calci/files/Exp_log_trig_integration.pdf</p> <p>https://qedinsight.wordpress.com/2012/02/26/a-neat-trick-</p>
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	integral.		for-determining-the-integrals-of-exp-x-cos-x-and-exp-x-sin-x/ https://www.mathsisfun.com/calculus/integration-by-parts.html
Mathematics (Extended)	Topic: Differentiation Learning Objectives: <ul style="list-style-type: none"> • To calculate the gradient at a point on a curve, given its equation • To find the equations of the 	<ul style="list-style-type: none"> • Make a list of derivatives of simple functions • Research on how to find the gradient of a curve at a differentiation at a point. • Research on the applications of differentiation. • How do you find maximum and minimum points using differentiation? 	https://www.youtube.com/watch?v=u7UwkUH0c1c https://www.youtube.com/watch?v=9AI3BkKQhn0 https://www.youtube.com/watch?v=9AI3BkKQhn0

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	<p>tangent and normal to a curve at a point.</p> <ul style="list-style-type: none"> • To locate maximum and minimum points on the graph • To use second derivatives to distinguish minimum and maximum points 		<p>tch?v=AUbTx0ldTlw</p> <p>https://www.youtube.com/watch?v=9pWiu7VxXP4</p> <p>https://www.youtube.com/watch?v=WCq3sRzsJfs</p> <p>https://www.youtube.com/watch?v=_PzGssi9Hgw</p> <p>https://www.youtube.com/watch?v=Y0QPJjso_9w</p>
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Physics	Momentum <ul style="list-style-type: none">To understand that mass is the property of a body that resists change in motion.To relate force with momentum. Thermal properties <ul style="list-style-type: none">Relate the properties of solids, liquids and gases to the forces and distances between molecules and to the motion of	Research on <ul style="list-style-type: none">Speed limits are different for different vehiclesCollision between two lumps of clay thrown head onIf a gas is heated ,its molecules moves faster.Use the Kinetic model to make a prediction:What will happen to the pressure that a gas exerts on the walls of its container when the gas is heated?	<ul style="list-style-type: none">https://www.quora.com/What-are-the-uses-of-transformershttp://www.bbc.co.uk/schools/gcsebitesize/science/edexcel/generation_transmission_electricity/transmitting_electricityrev1.shtmlhttp://www.scienceclarified.com/everyday/Real-Life-Chemistry-Vol-3-Physics-Vol-
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	the molecules.		1/Momentum.html <ul style="list-style-type: none"> • http://www.physicsclassroom.com/class/momentum/Lesson-1/Real-World-Applications
Chemistry	Topics: Alkenes, Alcohols and Carboxylic acids: <ul style="list-style-type: none"> • To outline the physical and chemical properties 	<ul style="list-style-type: none"> • Create a concept map to compare the physical and chemical properties of alkenes, alcohols and carboxylic acids. 	<ul style="list-style-type: none"> • https://www.slideshare.net/shaunoff/8-15259490

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	<p>of alkenes, alcohols and carboxylic acids.</p> <ul style="list-style-type: none"> To elaborate the method for the formation of esters and their uses. To enlist the uses of carboxylic <p>Electrolytic cells:</p> <ul style="list-style-type: none"> Describing the set up and working of electrochemical cells. 	<ul style="list-style-type: none"> Design and present an infographic poster using CANAVA / Glogster to describe the set up and working of electrochemical cells. Research on the two methods of manufacturing alcohol. List their advantage and disadvantage. Research on how esterification is done and mention its uses. 	<ul style="list-style-type: none"> https://www.bbc.co.uk/bitesize/guides/z2jndx/revision/3 https://www.youtube.com/watch?v=3YeXGpDdgZw
Biology	<p><u>Biotechnology</u></p> <ul style="list-style-type: none"> Describe the role of 		<ul style="list-style-type: none"> https://www.youtube.c

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	<p>anaerobic respiration in yeast during production of ethanol for biofuels and bread making.</p> <ul style="list-style-type: none"> Elaborate the procedures involved in genetic engineering. <p><u>Reproduction in plants & Humans</u></p> <ul style="list-style-type: none"> Define asexual reproduction and describe asexual reproduction in: 	<ul style="list-style-type: none"> Schematically explain how genetically modified organisms are made.. <p><u>Reproduction in plants & Humans</u></p> <ul style="list-style-type: none"> Students can make a report on how horticulturists exploit asexual reproduction in bulbs and rhizomes e.g. daffodils, orchids. 	<p>om/watch?v=EQu4MSIPVwY</p> <p><u>Reproduction in plants & humans</u></p> <ul style="list-style-type: none"> https://www.youtube.com/watch?v=7zzp37y5DFg https://www.youtube.com/watch?v=DY9DNWcqxl4
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	<ul style="list-style-type: none">- bacteria- spore production in fungi- tuber formation in potatoes• Discuss the advantages and disadvantages to a species of asexual reproduction.• Explain the signification of pollination and fertilization.	<ul style="list-style-type: none">• Students can create an infographic poster comparing asexual reproduction in plants, bacteria & fungi• Students can make a flow chart or a graphical representation to demonstrate menstrual cycle and the levels of hormones associated at different phase of it.• Students can outline the stages of an zygote from fertilization until it gets implanted in the endometrium	<ul style="list-style-type: none">• https://www.youtube.com/watch?v=3O7icCqFfEo• https://www.youtube.com/watch?v=vXrQ_FhZmos• https://www.youtube.com/watch?v=0xvJ-NNuR6M
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	<ul style="list-style-type: none">• Describe the menstrual cycle in terms of changes in the uterus and ovaries• Outline the development of the fetus: describe the function of the placenta and the umbilical cord in relation to• Describe the ante-natal care of pregnant women including special dietary needs and maintaining good health		
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<p>Food and Nutrition</p>	<p><u>Convenience food</u> <u>Cooking of food</u> <u>Sensory Evaluation</u></p>	<p><u>How Cooking Affects the Nutrient Content of Foods</u></p> <ul style="list-style-type: none"> • Use different visual aids to show how water, light and air affect nutrients • Cut out pictures of cooked foods from magazines and sort into groups of cooked and raw. Paste them onto card and design a game, (eg, like snap or happy families) matching the raw and cooked foods. • Since fire was discovered, people have been cooking. Find out how fire was discovered and how it changed the way people prepared food. • Design an experiment to see what happens to an egg when heat is applied. <p>Adapt the chocolate cake recipe to make something</p>	<ul style="list-style-type: none"> • http://www.betterhealth.vic.gov.au/bhcv2/bhc/articles.nsf/pages/Food_processing_and_nutrition 'Food processing and nutrition'. <p>http://www.choice.com.au/reviews-and-tests/food-and-health/food-and-drink/nutrition/are-fresh-vegies-better.aspx Are fresh veggies better?</p>



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		different.	
Economics	<ul style="list-style-type: none">Monetary and Fiscal Policy' Pre-Mock paper – Gaps – Unit 3 - Consumption, savings and borrowings	<ul style="list-style-type: none">Revise the topics covered so far from the IGCSE Syllabus.Answer all Paper 1 Questions – Multiple choice questions from the Taxes Unit – Indirect and Direct Taxes from the workbook, Consumption savinga and borrowings chapter.Answer all Past paper questions from IGCSE past papers from May/June 2012 - 2018Case studies from elasticities chapter from the workbook.Answer case studies on the government's demand	www.wikipedia.org/wiki/Economic_growth



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		<p>and supply side policies, Write a note on the importance of supply-side policies to the economy.</p> <ul style="list-style-type: none"> Analyze the impact of High inflation on the government ? – 8 Marks answer – Use of different consequences of inflation on the government. 	
Accounting	<ul style="list-style-type: none"> To evaluate the capital structure of a limited company comprising preference share capital, ordinary share <p>To prepare relevant financial statement pertaining to Limited liability companies.</p>	<ul style="list-style-type: none"> Research on the Limited liability companies in UAE, and compare and contrast how a it is different from sole trading business. Prepare a guide/ presentation on setting up a business in the UAE – the legal requirements Evaluate the financial statements prepared at the end of the financial year. 	<p>www.dineshbakshi.com</p> <p>www.cie.org.uk</p> <p>www.myaccountinglab.com</p> <p>https://www.hfw.com/A-guide-to-setting-up-a-business-in-the-UAE-the-legal-requirements</p>



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Business Studies	<ul style="list-style-type: none"> ▪ Recruitment and selection process 	<ul style="list-style-type: none"> • Research how Mc Donald’s plan recruitment using internal and external sources. Firstly you needs to describe the reasons why you think businesses need to recruit staff and then explain about the internal sources of recruitment & external sources of recruitment (use of job centers, consultants, recruitment agencies) including the cost and time considerations 	<p>www.bized.co.uk</p> <p>www.cie.org.uk</p> <p>www.xtermepapers.net</p> <p>www.tutor2n.net</p> <p>Text Book</p> <ul style="list-style-type: none"> •
Travel and Tourism	<ul style="list-style-type: none"> • Identify and describe the Tourism products provided by tourism providers (National/ International). And explain the inter 	<ul style="list-style-type: none"> • Write a descriptive write- up explaining the all products and services provided by tourism providers. To support your answer, draw an ‘Itinerary’ for 6 people traveling from Dubai to Spain. Include all tourism products you can offer as a tourism provider. Also, make a chart in which explain types of travelling options, types of accommodation services, types of 	<ul style="list-style-type: none"> • The local area’s tourist or visitor guide • International tourism provider sites like Thomas cook, Cox & Kings or Kuoni travels, to take help to make



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	<p>relationship between the various products & services like Tourism & travel, accommodation & catering, ancillary services.</p> <ul style="list-style-type: none">• To recap and revisit all the topics for Pre Mocks.	<p>catering/ restaurants', and ancillary services.</p>	<p>'itinerary'.</p> <ul style="list-style-type: none">• Internet sites, e.g., local attractions and destinations.• the Columbus Guide to World Tourist Attractions
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Sociology	<p>Topic : Social Inequality: <u>Learning Objective:</u> Explain the term life chances. To evaluate how life chances are affected by a person's social life</p>	<p>Explain the difference between immediate and deferred gratification.</p> <p>What are some reasons why working-class people tend to die younger than middle-class people on average?</p>	<p>Powerpoint Presentation</p> <p>Sociology course book.</p>
Psychology	<p>Topic: Freud's theory of dreaming (1900)</p> <p>Learning Objective:</p> <p>To examine Freud's Theory of dreaming</p>	<p>Why do we dream?</p> <p>Research on the Freudian explanation of dreams and explain strength and weaknesses of Freud's dream analysis</p>	<p>GCSE Edexcel Psychology (Pearson)</p>
Geography	<p>Topic: Rivers</p> <p>Learning Objective:</p> <p>To analyse how a</p>	<ol style="list-style-type: none"> 1. To create a diagram and label the different parts of a drainage basin. 2. Create diagrams to show the different features formed by the river in lower, middle and upper course. 	<p>https://www.britannica.com/science/drainage-basin</p> <p>https://www.bbc.co.uk/bitesize/guides/zq2b9qt/revision/4</p>



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	drainage basin operates and the different landforms formed by a river.	To solve past papers on Drainage basin.	
History	<p>Topic: How did Stalin gain and hold power</p> <p>Learning Objective: To analyse the rise of Stalin to power in Russia</p>	Research on: To what extent was Stalin's economic policy effective in Russia	Cambridge IGCSE and O level History text book
Global Perspectives	Individual Report	You will choose and investigate 1 issue of global importance that has local/national implications from various perspectives including personal, national and global perspectives. This could be your IR for IGCSE. Use various reliable sources to research the issue. Upon completion of your research, write a research report of between 1500-2000	Source chosen by Individual students for research.



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		<p>words. Ensure that you analyse and evaluate the following:</p> <ul style="list-style-type: none"> • Issues arising from various perspectives • Possible scenarios • Course of action • Sources • Reflection and conclusion <p>Add a list of your references in a recommended academic format.</p>	
<p>Environmental Management</p>	<p>Natural ecosystems and Biodiversity</p>	<ul style="list-style-type: none"> • Investigate and explain causes and impacts of habitat loss • Investigate and describe and explain the causes and impacts of deforestation in the Amazon 	<p>https://www.greenfacts.org/en/biodiversity/l-3/1-define-biodiversity.htm#:~:text=Bi%20odiversity%20is%20define</p>

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		<ul style="list-style-type: none"> Describe and explain the need for the sustainable management of forests Describe and evaluate methods for estimating biodiversity evaluate national and international strategies for conserving the biodiversity and genetic resources of natural ecosystems 	<p>d%20as%20%E2%80%9Cthe,between%20species%20and%20of%20ecosystems.%E2%80%9D</p> <p>https://www.nature.com/scitable/knowledge/library/biodiversity-and-ecosystem-stability-17059965/</p>
ICT	<p>Topic: Web Authoring</p> <p>Learning Objective:</p> <ul style="list-style-type: none"> Students will be able to describe the 	<ul style="list-style-type: none"> Encourage your child to explore the importance of creating website for an organisation. Motivate your child to create a website for your office which will store details of all products/offers/packages provided by the organisation. 	<p>https://www.techopedia.com/definition/4926/web-authoring</p> <p>https://www.techwalla.com/a</p>



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	<p>purpose of creating websites.</p> <ul style="list-style-type: none"> Students will be able to create websites. 	<ul style="list-style-type: none"> Ask your child to do online research about different online web authoring tools. <ul style="list-style-type: none"> Discuss about the cascading style sheet and html in Microsoft Web Expression. 	<p>rticles/what-are-web-authoring-tools</p>
Computer Science	<p>Learning Objective:</p> <ul style="list-style-type: none"> Students will be able to describe operating system and explain its functions. Students will be able to differentiate different operating 	<p>Operating System is the software responsible for running programs and providing secure access to the machine's hardware.</p> <ul style="list-style-type: none"> Encourage your child to explore about windows operating system. Share different functions of operating system to make them realise its importance. Motivate your child to analyse difference between 	<p>Computer Basics: Understanding Operating Systems (qcfglobal.org)</p> <p>What is an Operating System (OS)? (techtarget.com)</p>



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	<p>systems available.</p> <ul style="list-style-type: none"> • 	<p>different operating systems.</p> <ul style="list-style-type: none"> • Discuss with your child about latest operating systems available now along with its features. • 	
Physical Education	<ul style="list-style-type: none"> • Chapter Two and Three (revision) 	<ul style="list-style-type: none"> • Revise all the topics from chapter two and three, complete the questions from text book page number 37,41,46,51,54 and 59 and self-mark using marking scheme. Mark the difficult questions and bring it to class for term-2. 	<p>www.teachpe.com</p> <p>www.britishschoolofboston.org</p> <p>www.cie.org.uk</p>
Art	<ul style="list-style-type: none"> • Portfolio development 	<ul style="list-style-type: none"> • A complete portfolio reflecting all AO`s and realised in a project from one area of study in the subject content from a theme chosen. 	<p>www.studentartguide.com</p>

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<p>French</p>	<ul style="list-style-type: none"> • To talk about different aspects of a job • To describe work experience <p>To express intentions; to use the conditional tense</p>	<p>LISTENING COMPREHENSION : look and listen then do the online activities : http://apprendre.tv5monde.com/fr/apprendre-francais/nous-vous-rappellerons?exercice=1</p> <p>WRITING : Ecrivez votre propre curriculum vitae</p> <p>SPEAKING : prepare an oral presentation on :</p> <p>- « Qu'est-ce que tu aimerais faire dans l'avenir ? »</p>	<p>http://www.francaisfacile.com/correspondants/google-results.php?q=FUTURE</p> <p>http://www.francaisfacile.com/exercices/exercice-francais-2/exercice-francais-1517.php</p> <p>http://www.francaisfacile.com/cgi2/myexam/liaison.php?!liaison=_metier_</p> <p>http://apprendre.tv5monde.com/</p> <p>http://nosgustalafrance.blogspot.ae/</p>
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			http://www.hellomylo.com/Challenge/French
Arabic (Arabs)	<p>TOPIC</p> <p>بان الخليط</p> <p>Learning objectives:</p> <p>أن يحدد الطالب الفكرة الرئيسة وا لأفكار الفرعية</p> <p>أن يحلل الطالب النص تحليلاً أدبياً.</p> <p>TOPIC</p>	<p>اقرأ الأبيات الشعرية الآتية واستخرج منها مواطن الجمال</p> <p>حدد الفكرة الرئيسة والأفكار الفرعية</p> <p>يحلل النص تحليلاً أدبياً</p> <p>أجب عن الكويز</p>	<p>https://seraj-uae.com/file/3839/</p> <p>https://www.youtube.com/watch?v=u6_Z5GJYr2A</p>



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	<p>البدل</p> <p>Learning objectives:</p> <p>. أن يتعرف الطالب أنواع البدل</p> <p>. * أن يعرب الطالب البدل</p> <p>أن يوظف الطالب البدل في مواقف حياتية</p> <p>TOPIC</p> <p>عشر خطوات</p> <p>Learning objectives:</p> <p>أن يحدد الطالب الفكرة العامة</p> <p>. مدعمًا رأيه بالأدلة</p>	<p>استمع إلى الفيديو التالي ثم حدد البدل وأنواعه</p> <p>أجب عن الكويز</p> <p>اقرأ النصوص التالية ثم عين البدل والمبدل منه</p> <p>اقرأ الأبيات الشعرية الآتية واستخرج منها البدل والمبدل منه</p>	<p>https://www.arageek.com/2013/09/1</p>
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Islamic Education (Arabs)	<p>TOPIC: معالم التخطيط في سيرة الرسول (ص)- آداب الحوار</p> <p>Learning objectives:</p> <p>أن يستنتج آداب الحوار والاستماع في الإسلام مع الاستدلال بالقرآن و السنة</p> <p>أن يحدد صفات ال-محاور في ا-2</p>	<p>-</p> <p>سيكلف الطالب ببعض التكاليف البيتية – سيكلف الطالب ببعض التكاليف البيتية – يحرص على الالتزام بأداب الحوار-ويقتدي بالرسول صاى الله عليه وسلم في حياته</p> <p>(يكتب بحثا عن معلم التخطيط في حياة الرسول (ص</p>	<p>https://www.youtube.com/watch?v=08xbM1cEHPU</p>



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	<p>لإسلام يوضح منهج النبي (ص) في التخطيط يوضح أهم جوانب الاقتداء في حيات</p>		
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Islamic Education (Non Arabs)	TOPIC: Learning objectives: 1. <u>The Holy Quran and the Scientific Miracles</u> -Define the concept of scientific miracles -Compare scientific miracles to scientific exposition -Clarify the importance of scientific miracles	Write an essay or a journal report about Miracles in Al Quran Al Kareem.	https://www.youtube.com/watch?v=erGmdSPQ1xs
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	<p>2. <u>Etiquettes of Dialogue</u></p> <ul style="list-style-type: none">• To comprehend the importance of etiquettes of dialogue.(by referencing Quran & Hadeeth)• To clarify the concept of freedom of speech and intolerance. (by examples of real life). <p>To evaluate the consequences of ill-mannered speech on an</p>	<p>Design an awareness bulletin on the importance of the etiquettes of dialogue.</p>	<p>https://www.youtube.com/watch?v=69XTD46v4qU</p>
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	individual and on the society.		
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Moral Education	TOPIC: What are the benefits of Living a Moderate Life What are the Consequences of Not Living Moderate Life What is Meant by the Term 'Addiction' What are the Effects of Addiction How can We Help Others and Overcome Addiction Learning objectives: <ul style="list-style-type: none">• Explain and	<ul style="list-style-type: none">• Find four examples of addictive substances and make notes on what makes them addictive.• Identify the different things that can result in feeling stressed.• Discuss the symptoms of addiction	https://www.medicalnewstoday.com/articles/323465#takeaway
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	<p>understand the factors that lead to addiction, including factors that influence people to start using addictive substances or form of addictive habits.</p> <p>Discuss and explain the risks and impact of addiction on the individual, their family, community and society.</p>		
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