



LEARNING TRAILS AY 2026-27

YEAR:10

TERM 1_WEEK 6 (Oct 5th -9th Oct , 2026)

ENGLISH	MATHEMATICS
Topics: Speaking- IGCSE Cambridge Model Grammar- Modal Verbs Writing - Essay Writing Learning Objectives: • Articulate ideas coherently and confidently in an IGCSE-style speaking task, adapting language and delivery to purpose and audience. • Analyse and accurately use modal verbs to express ability, possibility, obligation, permission, and deduction in context. • Construct a well-organised essay that develops ideas logically using relevant evidence, cohesive devices, and an appropriate formal style. Resources needed: • Notebooks • Stationaries • Worksheets • PPTs Homework/Assignments: <i>Grammar Practice Worksheets</i>	Topics: Surds: Algebra: Learning Objectives: Rationalize surd denominators and simplify expressions. Apply surds in solving equations and word problems. Use surds in practical applications and real-life contexts. Express basic arithmetic processes algebraically. • Transform simple formulae. • Expand the brackets by using identities Resources needed: Smartboard, whiteboard, Textbook, worksheets , IGCSE questions practice g.https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 h.https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 Homework/Assignments: Weekly Test, Weekly Assignment, Daily HW on Edunation,



ADVANCED ARABIC	GENERAL ARABIC
Topics: اسم المفعول Learning Objectives: 1. أن يتعرف الطالب مفهوم اسم المفعول من خلال الصور 2. أن يصوغ الطالب اسم المفعول من الفعل الثلاثي الصحيح . والمعتل بأنواعه 3. أن يصوغ الطالب اسم المفعول من الفعل غير الثلاثي 4. أن ينشئ الطالب جملاً جديدة تحتوي على اسم المفعول من الثلاثي وغير الثلاثي . 5. أن يعرب الطالب اسم المفعول في الجمل والأمثلة المختلفة Resources needed: الكتاب المدرسي - دفتر الطالب - العرض التقديمي - الصور والأنشطة التفاعلية Homework/Assignments: اكتب نصاً (سردي / معلوماتي) عن قيمة التسامح في دولة الإمارات موزعاً في كتابتك اسم المفعول	Topics: لقاء مشهور Learning Objectives: • أن يستمع الطالب إلى نص قصير عن لقاء مع شخص مشهور • أن يتعرف الطالب المفردات الجديدة في النص • أن يحدد الطالب الفكرة العامة للنص • أن يستخرج الطالب معلومات بسيطة عن الشخص المشهور • أن يجيب الطالب عن أسئلة مباشرة بعد الاستماع • أن يذكر الطالب بعض صفات الشخص المشهور • أن يتحدث الطالب بجملة بسيطة عن شخص مشهور Resources needed: الكتاب المدرسي _ بوربوينت _ صور لشخصيات مشهورة _ تسجيل صوتي للنص _ بطاقات كلمات _ دفتر الطالب Homework/Assignments: حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس - التحدث عن شخص مشهور وكتابة 3 جمل بسيطة عنه
PHYSICS	BIOLOGY
Topics: 1.3 Mass and weight 1.4 Density Learning Objectives: • Define gravitational field strength as force per unit mass; recall and use the equation $g = W/m$ and know that this is equivalent to the acceleration of free fall • Describe how to determine the density of a liquid of a regular shaped solid and of an irregularly shaped solid which sinks in a liquid. Resources needed: Video, simulation, PPT Homework/Assignments: Refer to the worksheet.	Topics: Learning Objectives: • Describe the levels of organisation: cell, tissue, organ, organ system and organism. • Describe specialised cells and explain how they are adapted for their functions. • State and use magnification = image size ÷ actual size to calculate magnification and specimen size in mm, convert between mm and μm. Resources needed: Marshall Cavendish textbook, pages 26-30. • PowerPoint/slides • Magnification worksheet Homework/Assignments: Solve all the questions on page 33 of the textbook in your notebook.



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
Topics: Group I – The Alkali Metals Learning Objectives: - Describe the Group I alkali metals lithium, sodium and potassium as relatively soft metals, and state the general trends down the group: decreasing melting point, increasing density and increasing reactivity. - Predict the properties of other elements in Group I (e.g. rubidium and caesium) using given information and the trends identified for lithium, sodium and potassium. Resources needed: Chemistry coursebook, Periodic Table chart, Smart board, ppt. with video clips of Li, Na and K reacting with water, data table of melting points and densities of Group I elements, , past papers Homework/Assignments: Using the data table provided for lithium, sodium and potassium: - Describe the trends in melting point, density and reactivity down Group I. - Write a word equation and a balanced symbol equation for the reaction of sodium with water. - Predict the melting point, density and reactivity of rubidium, explaining your prediction using the trends you have described.	Topics: Energy Resources Learning Objectives: - Identify and describe the key factors affecting the demand for energy, including transport, wealth, climate, population size, industry, supply disruption, unreliable supply, and resource scarcity. - Explain how and why these factors influence energy demand, using relevant real-world examples to support their explanations. Resources needed: PPT, Assignment sheet, Textbook Homework/Assignments: Research: Find two factors affecting energy demand in the UAE and explain how each factor increases or decreases energy demand.



ISLAMIC ARABIC	ISLAMIC STUDIES
Topics: الزكاة في الإسلام. Learning Objectives: - أن يعرّف الطالب الزكاة ويبين حكمها. - أن يوضح مكانة الزكاة في الإسلام. - أن يتعرف إلى أهم شروط وجوب الزكاة. - أن يعدد مصارف الزكاة. - أن يستنتج آثار الزكاة في الفرد والمجتمع. - أن يطبق قيمة التكافل والعطاء في حياته اليومية. Resources needed: - الكتاب المدرسي. - القرآن الكريم. - السبورة والعرض التقديمي. - بطاقات تعليمية عن مصارف الزكاة. - ورقة عمل وأنشطة تطبيقية. - فيديو تعليمي قصير. - Quizizz / Wordwall. نشاط رقمي تفاعلي مثل Homework/Assignments: - حل أنشطة الكتاب المدرسي الخاصة بالدرس. - كتابة أهمية الزكاة في تحقيق التكافل الاجتماعي في ثلاثة أسطر. - مراجعة شروط وجوب الزكاة ومصارفها .	Topics: Alms-giving and Obligatory Charity in Islam Learning Objectives: - Define Zakah and recognise it as one of the Five Pillars of Islam. - Explain how Zakah helps people in need and strengthens the community. - Distinguish between Zakah (obligatory charity when its conditions are met) and Sadaqah (voluntary charity). - Identify examples of people who may receive Zakah. Resources needed: - Islamic Education textbook - Qur'an 9:60 (the categories of Zakah recipients) - Presentation or whiteboard - Simple Zakah and Sadaqah scenario cards Homework/Assignments: create a two-column table showing three differences between Zakah and Sadaqah. Then write three sentences explaining how Zakah can help a family in need.
PAKISTAN STUDIES	ICT
Topics: Trade in the Economy of Pakistan Learning Objectives: To evaluate the trade partners, routes and Organizations of Pakistan Resources needed: PPT, Textbook, Copybooks	Topics: 1.5: Emerging Technologies 2.1: Input devices and their uses 18: Databases Learning Objectives:



<u>Homework/Assignments:</u> Graphing the Pakistan Economic and Trade with various countries of the world	- Analyze the impact of artificial intelligence and extended reality on everyday life. - Evaluate the uses, advantages, and disadvantages of different input devices. - Create relationship between imported tables - Create a query to retrieve a subset of data <u>Resources needed:</u> Notebooks, A4 sheets, Stationeries <u>Homework/Assignments:</u> Revise the portions for Formal Assessment
TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
<u>Topics:</u> 1.6 Types of destinations <u>Learning Objectives:</u> To explain the main types of destination <u>Resources needed:</u> E book, Case studies <u>Homework/Assignments:</u> Practice end of chapter question	<u>Topics:</u> The Impact of the Falaj During the Iron Age <u>Learning Objectives:</u> By the end of the lesson, students will be able to explain how the Falaj system supported settlement, agriculture, trade, and community development during the Iron Age in the UAE, identifying at least three impacts with relevant examples. <u>Resources Needed:</u> • UAE Iron Age/Falaj textbook or worksheet • Images/diagram of a Falaj system • UAE map showing areas where Falaj systems were used • PowerPoint/presentation • Short video or animation about the Falaj system • Activity sheet / source-analysis worksheet • Whiteboard and markers <u>Homework/Assignments:</u> Research Task: Research one ancient Falaj system in the UAE and write 5–7 sentences explaining how it helped



	people during the Iron Age. Include one image or labelled diagram and identify at least three benefits of the Falaj system. Note: The class test covering the first topic, “The UAE Landscape and Jebel Faya,” will be conducted on Wednesday, 7 October 2026, during the 1st period of the MSCS class.
ACCOUNTING	BUSINESS
Topics: Double entry system of Book keeping and Trial balance Learning Objectives: how to interpret ledger accounts and their balances • ledger accounts that may be presented using a three-column running balance format • the division of the ledger into the sales ledger, the purchases ledger and the nominal (general) ledger • how ledger accounts can be kept digitally Resources needed: Text book Formats Topical questions Homework/Assignments: Topical questions	Topics: 1.3.1 Enterprise and entrepreneurship Learning Objectives: To analyze the characteristics of successful entrepreneurs. To identify and explain what is included in a business plan and be able to explain how business plans can assist entrepreneurs. To analyze the methods that Governments might use to help business startups and explain why they help such businesses. Resources needed: Case study Topical Questions Homework/Assignments: Practice end of chapter questions
ECONOMICS	UAE ARABIC
Topics: Demand Learning Objectives: To define demand To recognise the link between individual and market demand To explain the causes of extensions and contractions in demand	Topics: <u>موقع الوطن العربي و أهميته</u> Learning Objectives: <u>ثانيا : أهمية الوطن العربي</u> <u>التعرف على الأهمية الإستراتيجية للمكان و ما نتج عن مشكلات في المنطقة</u> Resources needed: <u>الكتاب المدرسي</u>



Resources needed: PPT, text book , task sheet Homework/Assignments: Topical questions	الانشطة الصفية البوربوينت Homework/Assignments: كيف يمكن للدول العربية الاستفادة من موقعها الجغرافي وتنوع تضاريسها لتحقيق التنمية الاقتصادية ومواجهة التحديات الطبيعية؟
ISLAMIYAT	URDU
Topics: Selected Qur'anic Passages: Al-Fatihah • Al-Baqarah • Al-'Alaq • Al-Zilzal • Al-Nas Learning Objectives: - Identify the main themes of the selected passages. - Explain their importance in a Muslim's life. - Connect their teachings to everyday situations. - Recite selected verses with correct pronunciation and Tajweed. Resources needed: - Qur'an with English translation. - Islamiyat textbook and presentation. - Audio recitations and vocabulary cards. - Worksheet and whiteboard. Homework/Assignments: Choose two passages. Write the main theme of each and explain one way to apply its teachings in daily life.	Topics: Topics: بے ترتیب جملوں کو درست پیراگراف سے ملانا اور قواعد Learning Objectives: نادیدہ عبارت کو پڑھ کر جملوں کو درست پیراگراف سے ملانا۔ Resources needed: لیپ ٹاپ۔ کتاب۔ ۱ پی پی ٹی۔ کاپی Homework/Assignments: دئے گئے صفحات کی پڑھائی کریں اور ہوم ورک مکمل کریں