



LEARNING TRAILS AY 2026-27

YEAR:10

TERM 1_WEEK 3(Sep 14th -18th , 2026)

ENGLISH	MATHEMATICS
Topics: Reading – GL model Writing – Informal Email Writing Grammar – Adverbs of degree (Comparatives and Superlatives) <u>Learning Objectives:</u> - Analyse and interpret a GL-style text to infer meaning, evaluate information, and substantiate answers with textual evidence. - Craft an informal email that communicates ideas effectively through appropriate tone, register, organisation, and language for the intended audience and purpose. - Manipulate adverbs of degree accurately to form and compare comparative and superlative structures in context. <u>Resources needed:</u> - Notebooks - Stationaries - Worksheets - PPTs <u>Homework/Assignments:</u> <i>Grammar practice worksheets</i>	<u>Topics:</u> Sequences <u>Learning Objectives:</u> - Continue in a given number sequence. - Recognize patterns in sequences and relationships between different sequences. - Find the nth term of linear sequences, simple quadratic, cubic and geometric sequences. <u>Resources needed:</u> PPTs, Worksheets, Past IGCSE practice paper, Smartboard, whiteboard These resources provide examples to help students to practice online and quick result. g.https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 h.https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 <u>Homework/Assignments:</u> Weekly test Weekly Assignment Daily 5 Questions for Homework. Past paper questions practice



ADVANCED ARABIC	GENERAL ARABIC
Topics: نص شعري : غزوتك مولودا Learning Objectives: 1. أن يصمم بطاقة تعريفية للشاعر 2. أن يفسر الكلمات الجديدة مستعيناً بالمعجم الورقي أو الإلكتروني 3. يحدد أفكار النص الرئيسية والجزئية الداعمة لها 4. يحلل النص مبيناً التعبيرات البلاغية والإيحائية وتأثيرها على المتلقي 5. أن يستخرج الدروس المستفادة من النص الشعري 6. أن يتحدث عن أهمية طاعة الوالدين Resources needed: الكتاب المدرسي - السبورة الذكية - دفتر الطالب - البوربوينت - الأنشطة التعليمية Homework/Assignments: اكتب فيما لا يقل عن (عشرة أسطر) عن : بر الوالدين، وكيف يؤثر على استقرار المجتمع بدءاً من الفرد ؟	Topics: درس: منزل الأحلام Learning Objectives: أن يتعرف الطالب المفردات الجديدة أن يستنتج الطالب الفكرة الرئيسة والأفكار الفرعية أن يذكر الطالب أشكال أزمة السكن أن يجيب الطالب عن الأسئلة أن يصمم مخططاً للدرس Resources needed: الكتاب المدرسي _ بوربوينت _ دفتر الطالب _ أنشطة صفية تعليمية Homework/Assignments: اكتب عن منزل أحلامك في المستقبل _
PHYSICS	BIOLOGY
Topics: Scalars and vectors 1.2 Motion Learning Objectives: Sketch, plot and interpret distance-time graph Determine, qualitatively, from given data or the shape of a distance–time graph or speed–time graph when an object is: a. at rest b. moving with constant speed c. accelerating Resources needed: Graph paper, geometry box Homework/Assignments: Refer to worksheets	Topics: 1.2. Classifying living organisms Learning Objectives: • Construct and use dichotomous keys based on identifiable features. • Analyse features of flowering and non-flowering plants with examples. • Describe main features of different classes of vertebrates. • Explain features of different classes of arthropods with examples. Resources needed: • Marshall Cavendish textbook, pages 9-13 • PowerPoint/slides • Diagram of virus structure Homework/Assignments: Choose 10 organisms (a mix of vertebrates, arthropods, and flowering/non-flowering plants), classify each into its



	correct group with one key feature, and use at least 5 of them to construct a dichotomous key.
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
Topics: Effects of Temperature and Pressure on Gas Volume; Diffusion Learning Objectives: - Describe the effects of temperature and pressure on the volume of a gas. - Explain, in terms of kinetic particle theory, the effects of temperature and pressure on the volume of a gas. - Describe and explain diffusion in terms of kinetic particle theory. Resources needed: Chemistry coursebook, kinetic particle theory diagrams, Smart board ppt. past papers (IGCSE 0620), simple demonstration materials (gas syringe, balloon, ice bath, hot water, potassium permanganate crystals, gas jars/bromine diffusion apparatus) Homework/Assignments: Using kinetic particle theory, explain (a) why the volume of a fixed mass of gas increases when heated at constant pressure and decreases when the pressure on it is increased at constant temperature, and (b) why diffusion occurs faster in gases than in liquids. Support your answers with labelled particle diagrams and one everyday example of diffusion.	Topics: Energy and Environment Learning Objectives: Classify energy resources as renewable or non-renewable, including fossil fuels, nuclear power, biofuels, geothermal, hydro-electric, tidal, wave, solar, and wind power. Explain the differences between renewable and non-renewable energy resources and identify their importance for sustainable energy use. <u>Class assessment on Monday</u> Resources needed: Text book, PPT, Assignment. Homework/Assignments: Research one renewable energy project in the UAE, such as the Mohammed bin Rashid Al Maktoum Solar Park. Write 5–6 sentences explaining: - How it helps the UAE reduce its dependence on fossil fuels? - One benefit of using this energy source in the UAE.



ISLAMIC ARABIC	ISLAMIC STUDIES
Topics: - مع الله ورسوله ﷺ وولي الأمر – سورة الحجرات (الآيات 1–10). Learning Objectives: - أن يوضح الطالب آداب التعامل مع الله تعالى ورسوله ﷺ الواردة في الآيات. - أن يفسر معاني الآيات المتعلقة بطاعة الله ورسوله ﷺ وولي الأمر. - أن يستخرج من الآيات أهمية التثبت من الأخبار قبل تصديقها ونقلها. - أن يبين كيفية الإصلاح بين المؤمنين عند وقوع النزاع. - أن يستنتج أثر الالتزام بآداب سورة الحجرات في بناء مجتمع متماسك. Resources needed: - الكتاب المدرسي. - المصحف الشريف. - العرض التقديمي. - أوراق عمل وأنشطة تفاعلية. - بطاقات تعليمية. - السبورة الذكية. Homework/Assignments: - استخراج آداب التعامل مع الله ورسوله ﷺ من الآيات (1–5). - كتابة موقف يوضح أهمية التثبت من الأخبار قبل نقلها. - ذكر طريقتين للإصلاح بين المؤمنين عند حدوث الخلاف.	Topics: - With Allah, His Messenger ,ﷺ and Those in Authority – Surah Al-Hujurat (Verses 1–10). Learning Objectives: - To explain the proper manners of dealing with Allah Almighty and His Messenger ﷺ mentioned in the verses. - To interpret the meanings of the verses related to obeying Allah, His Messenger ,ﷺ and those in authority. - To identify the importance of verifying information before believing or sharing it. - To explain how to reconcile between believers when disputes occur. - To infer the impact of following the guidance of Surah Al-Hujurat in building a united and harmonious community. Resources needed: - Textbook. - Holy Qur'an. - PowerPoint presentation. - Worksheets and interactive activities. - Educational cards. - Interactive smartboard. Homework/Assignments: - Identify the manners of dealing with Allah and His Messenger ﷺ from verses (1–5). - Write a situation that demonstrates the importance of verifying information before sharing it. - Mention two ways to reconcile between believers when a disagreement occurs.



PAKISTAN STUDIES	ICT
Topics: Crucial Years after the creation of Pakistan Learning Objectives: To investigate into the critical problems faced by Pakistan after independence. Resources needed: PPT, Notebook, worksheets Homework/Assignments: Investigating: The great migration of 1947 The Atrocities of Partition The early problems faced by Pakistan	Topics: 1.2: The Main Components of Computer Systems 18: Databases Learning Objectives: <i>Theory</i> - Analyse how the CPU, memory, input/output devices, and storage work together in a computer system. Practical: Database (MS Access) • Import data from existing files (including .csv, .txt) using specified field names to create tables • Set appropriate data types to fields including text, numeric (integer, decimal, currency), date/time, Boolean/logical Resources needed: Notebooks, Stationeries Homework/Assignments: Complete the ICT Practical homework and submit the printed copy of the Evidence document on Monday.
TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
Topics: Types of Tourism Learning Objectives: To analyze different methods of tourism Resources needed: Note book, PPT, Case studies Homework/Assignments: Practice end of chapter questions	Topics: The UAE Landscape and Jebel Faya – Continuation Learning Objectives: Students build on their understanding of the UAE's physical landscape and Jebel Faya, exploring its geological features, historical significance, and importance as evidence of early human settlement in the UAE. Resources Needed:



	PPTs, textbook, notebook, smartboard, maps, photographs of Jebel Faya, and white chart paper. Homework/Assignments: Complete the task sheet on the UAE landscape and Jebel Faya and write a short note explaining the historical and geographical significance of Jebel Faya.
ACCOUNTING	BUSINESS
<u>Topics:</u> Introduction to double entry <u>Learning Objectives:</u> To understand and apply the double entry rules <u>Resources needed:</u> Text book PPT Task Sheet <u>Homework/Assignments:</u> End of Chapter questions , Topical questions	<u>Topics:</u> Market Mix -Product <u>Learning Objectives:</u> To evaluate The limitations and benefits of developing new products To assess the importance of Brand image; impact on sales and customer loyalty To analyse The role of packaging To apply information about The product life cycle: main stages and extension strategies; draw and interpret a product life cycle diagram To evaluate How stages of the product life cycle can influence marketing decisions, e.g. promotion and pricing decisions <u>Resources needed:</u> Textbook, Case studies with mark scheme <u>Homework/Assignments:</u> Practice End of chapter questions
ECONOMICS	UAE ARABIC
<u>Topics:</u> Factors of production <u>Learning Objectives:</u>	<u>Topics:</u> الوحدة:الإمارات نبض العالم الدرس:دستور دولة الامارات العربية المتحدة:مفهوم الدستور وأهميته الإتجاهات العامة لدستور



To explain the factors of production – land , labour , capital and enterprise
To analyse the causes of changes in the quantity and quality of the factors of production

Resources needed:

PPT
Text-book
Task sheet
Kahoot

Homework/Assignments:

Four-part questions

Learning Objectives:

بوضوح الإتحافات العامة لدستور
و أهمية الدستور لكل دولة و لدولة الإمارات العربية المتحدة

Resources needed:

الكتاب المدرسي
البوربوينت
الانشطة الصفية

Homework/Assignments:

كيف يساهم الدستور في حماية حقوق الأفراد وتحقيق الاستقرار في الدولة؟

ISLAMIYAT

URDU

Topics:

Ayat al-Kursi (Surah Al-Baqarah 2:255)

Learning Objectives:

By the end of the lesson, students will be able to:

- Recite **Ayat al-Kursi** correctly with proper **Tajweed**.
- Explain the meanings of the key vocabulary found in the verse.
- Understand the main themes of **Allah's Oneness, Power, Knowledge, and Sovereignty** as mentioned in Ayat al-Kursi.
- Recognize the virtues and significance of Ayat al-Kursi in the life of a Muslim.
- Demonstrate an appreciation for the importance of remembering Allah and placing trust in Him.

Resources needed:

- The Holy Qur'an
- Islamic Education Textbook
- Interactive Whiteboard and Projector

Topics:

تفہیم
!چینو ٹیوں سے سیکھیئے

Learning Objectives:

نادیدہ عبارت پڑھ کر سوالات کے جوابات لکھنا

Resources needed:

پی پی ٹی پروجیکٹر - کتاب - ۱۔

Homework/Assignments:

دی گئی عبارت کو گھر میں پڑھیں۔
سوالات کے جوابات مکمل کریں



- Tajweed Rule Flashcards
- Vocabulary Cards
- Ayat al-Kursi Worksheet
- Audio Recitation of Ayat al-Kursi
- Markers and Sticky Notes

Homework/Assignments:

- Memorize **Ayat al-Kursi**.
- Practice reciting **Ayat al-Kursi** at home with correct pronunciation and proper **Tajweed**
- Write the meanings of **five key words** from Ayat al-Kursi.
- Reflect and write **three lessons** you learned from Ayat al-Kursi and how you can apply them in your daily life.