



LEARNING TRAILS AY 2026-27

YEAR:10

TERM 1_WEEK 4(Sep 21st -25th, 2026)

ENGLISH	MATHEMATICS
Topics: <i>Listening – IGCSE Cambridge model</i> <i>Speaking – IGCSE Cambridge model</i> <i>Grammar – Question Tags</i> <u>Learning Objectives:</u> - To infer specific information, attitudes and implied meanings from an IGCSE-style listening text. - To articulate and develop ideas clearly and coherently in response to an IGCSE-style speaking prompt. - To construct accurate question tags by applying appropriate auxiliary verbs, tense, subject and polarity. <u>Resources needed:</u> - Notebooks - Stationaries - Worksheets - PPTs <u>Homework/Assignments:</u> <i>Grammar Practice Worksheets</i>	Topics: Working With Numbers <u>Learning Objectives:</u> Give appropriate upper and lower bounds for data given to a specified accuracy, e.g. measured lengths Use the standard form $A \times 10^n$ where n is a positive or negative integer, and $1 \leq A < 10$. <u>Resources needed:</u> Textbooks, Notebooks, Past Paper Question Worksheets, PPTs, ATS worksheets, stationaries 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 Worksheets Daily HW (2 questions minimum)
ADVANCED ARABIC	GENERAL ARABIC



Topics:

الميزان الصرفي

Learning Objective

- يوضح مفهوم الميزان الصرفي وأهميته في معرفة أحوال الكلمات العربية.
- يزن الكلمات الثلاثية المجردة والمزيدة وزناً صرفياً صحيحاً مع ضبط الحروف بالحركات.
- يكتشف التغيرات التي تطرأ على الكلمة (زيادة أو حذف) ويعكسها بدقة على الوزن الصرفي (فعل).
- يستخرج الجذور الثلاثية للكلمات المختلفة بالاعتماد على قواعد الميزان الصرفي.

Resources needed:

الكتاب المدرسي - دفتر الطالب - الأنشطة الإلكترونية - البوربوينت

Homework/Assignments:

يكتب نصاً عن أهمية بر الوالدين مراعيًا فيه كتابة الكلمات بالشكل الصحيح إملائياً مستعيناً بقواعد الميزان الصرفي.

PHYSICS

Topics:

1.2 Motion

Learning Objectives:

Sketch, plot and interpret speed-time graph

Determine from given data or the shape of a speed-time graph when an object is moving with:

- constant acceleration
- changing acceleration

Resources needed:

PPT, graph book

Homework/Assignments:

Refer to worksheet

Topics:

وظيفة الأحلام

Learning Objectives:

- أن يتعرف الطالب المفردات الجديدة
- أن يكتب جملاً مفيدة مستخدماً المفردات الجديدة
- أن يذكر الطالب أسماء المتحدثين في نص الاستماع
- أن يصمم الطالب مخططاً لوظيفة أحلامه
- أن يكمل الجدول الخاص بنص الاستماع ص 18

Resources needed:

الكتاب المدرسي _ بوربوينت _ دفتر الطالب _ أنشطة تعليمية صفية

Homework/Assignments:

أن يكتب الطالب عن الوظيفة التي يحلم بها وسبب اختياره لها

BIOLOGY

Topics: 1.2. Classifying living organisms

2.1. Cell structure

Learning Objectives:

- Explain features of different classes of arthropods with examples.
- Construct and use dichotomous keys based on identifiable features.
- Describe and compare the structure of a plant cell with an animal cell.

Resources needed:

- Marshall Cavendish textbook, pages 12-15, 19-23.
- PowerPoint/slides
- Plant and animal cell structure.

Homework/Assignments:

Read the textbook Page 12-13 and construct your own mind map for the arthropods classification.

Solve the textbook page number 17 Question 3.



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
Topics: Past Paper Discussion – States of Matter; 8. Periodic Table – 8.1 Arrangement of Elements Learning Objectives: - Apply the kinetic particle theory to answer past paper questions on states of matter, their interconversions, and the effect of temperature/pressure on gases - Describe the arrangement of elements in the Periodic Table in order of atomic (proton) number, and how they are organised into periods and groups Resources needed: Chemistry coursebook, IGCSE 0620 past paper questions and mark schemes on States of Matter, printed Periodic Table, Simulations, Smart board ppt. Homework/Assignments: a) Identify a real-life example connected to the UAE (for instance, hot air balloon rides over the Dubai desert, or another example of your choice) that shows the effect of temperature and/or pressure on the volume of a gas. Describe your chosen example and use the kinetic particle theory to explain the science behind it b) Using a blank Periodic Table grid, label the periods and groups, and for three given elements (one each from Group I, Group VII and Group 0/8), state their period number, group number and number of outer-shell electrons	Topics: Energy and Environment Learning Objectives: - Explain how nuclear energy is generated and describe its advantages and disadvantages as an energy source. - Assess the environmental impacts of nuclear power, including radioactive waste, accidents, and greenhouse gas emissions. Resources needed: PPT, assignments sheet Homework/Assignments: Collect and read information about the Barakah Nuclear Energy Plant in the UAE. Be prepared to discuss its purpose, benefits, environmental impacts, and role in meeting the UAE's energy needs.
ISLAMIC ARABIC	ISLAMIC STUDIES
Topics: (السبع الموبقات (حديث شريف) Learning Objectives: - أن يقرأ الطالب الحديث الشريف قراءة صحيحة. - أن يعدد الطالب السبع الموبقات الواردة في الحديث.	The Seven Destructive Sins (Noble Hadith)



- أن يوضح الطالب معنى المفردات الواردة في الحديث

Resources needed:

- الكتاب المدرسي.
- الحديث الشريف.
- المصحف الشريف.
- السبورة والعرض التقديمي.
- بطاقات تعليمية عن السبع الموبقات.
- ورقة عمل وأنشطة تطبيقية.

Homework/Assignments:

- حفظ حديث السبع الموبقات والاستعداد للتسميع.
- حل أنشطة الكتاب المدرسي الخاصة بالدرس

Learning Objectives:

- Students will be able to **read the Noble Hadith correctly.**
- Students will be able to **identify and list the seven destructive sins mentioned in the Hadith.**
- Students will be able to **explain the meanings of the key vocabulary mentioned in the Hadith.**

Resources Needed:

- Islamic Studies textbook.
- Text of the Noble Hadith.
- The Holy Qur'an.
- Whiteboard and presentation.
- Educational cards about the **Seven Destructive Sins.**
- Worksheet and practical activities.

Homework / Assignments:

- **Memorize the Hadith of the Seven Destructive Sins** and prepare for recitation.
- Complete the **textbook activities** related to the lesson.

PAKISTAN STUDIES

Topics:

The economy and geography of Pakistan

Learning Objectives:

To evaluate the economy of Pakistan by assessing the role of geography, resources and industry.

Resources needed:

PPT, Book, Text Book

Homework/Assignments:

Presentation on Pakistan strengths and weaknesses

ICT

Topics:

1.3: Operating Systems

18: Databases

Learning Objectives:

- Analyze the advantages and disadvantages of different types of operating systems.
- Create relationship between imported tables



	<u>Resources needed:</u> Notebooks, A4 sheets, Stationeries <u>Homework/Assignments:</u> - Practice importing of csv file (MS Access) - Practice Workbook questions for Chapters 1.1 and 1.2
TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
<u>Topics:</u> Characteristics of travel and tourism <u>Learning Objectives:</u> To explain the Characteristics of travel and tourism <u>Resources needed:</u> Note Book, Concept sheets, Case studies <u>Homework/Assignments:</u> To practice topical case studies.	<u>Topics:</u> The Bronze Age and Umm an-Nar <u>Learning Objectives:</u> Students begin by understanding the key features of the Bronze Age and the Umm an-Nar culture, including settlement patterns, trade, metalworking, agriculture, and the development of communities in the UAE and wider Arabian Peninsula. <u>Resources Needed:</u> PPTs, textbook, notebook, smartboard, maps, images of Umm an-Nar archaeological sites, and white chart paper. <u>Homework/Assignments:</u> Complete the task sheet on the Bronze Age and Umm an-Nar culture and write a short note on the major achievements and importance of the Umm an-Nar civilization.
ACCOUNTING	BUSINESS
<u>Topics:</u> The double entry system of book-keeping <u>Learning Objectives:</u> How to prepare ledger accounts • how to post transactions to the ledger accounts <u>Resources needed:</u> Text book	<u>Topics:</u> Economic sectors <u>Learning Objectives:</u> <u>To identify the different types of economic sector; primary, secondary and tertiary.</u>



Task Sheet Format <u>Homework/Assignments:</u> Text book questions	To Classify business enterprises between private sector and public sector. <u>Resources needed:</u> Concept sheets, Case studies, Text book, Note book <u>Homework/Assignments:</u> To practice end of chapter questions
ECONOMICS	UAE ARABIC
<u>Topics:</u> Factors of production, Opportunity cost <u>Learning Objectives:</u> To explain the quantity and quality of capital To define opportunity cost To give examples of opportunity cost in different contexts To explain the influence of opportunity cost on decisions made by consumers, workers, producers <u>Resources needed:</u> PPT, task sheet, textbook <u>Homework/Assignments:</u> Four- part questions and MCQ	<u>Topics:</u> دستور دولة الإمارات العربية المتحدة <u>Learning Objectives:</u> • يبيّن أهمية الدستور والقانون للمجتمع في دولة الإمارات العربية المتحدة. • يوضّح الاتجاهات العامة لدستور دولة الإمارات العربية المتحدة. • يقيم القوانين الموجهة لمعالجة الشؤون والقضايا العامة <u>Resources needed:</u> <u>الكتاب المدرسي</u> <u>الانشطة الصفية</u> <u>البوربوينت</u> <u>Homework/Assignments:</u> تخيّل أنك المسؤول عن وضع قانون جديد في دولة الإمارات، ما المشكلة التي ستضع لها هذا القانون؟ وما الهدف الذي تريد تحقيقه من خلاله؟ ولماذا؟
ISLAMIYAT	URDU
<u>Topics:</u> History of the Qur'an • <u>Learning Objectives:</u> - To explain how the Qur'an was revealed to Prophet Muhammad ﷺ • To describe how the Qur'an was preserved through memorization and writing during the Prophet's ﷺ lifetime. • To explain the compilation of the Qur'an during the caliphate of Abu Bakr (R.A.). • To describe the standardization and distribution of Qur'anic copies during the caliphate of Uthman (R.A.).	<u>Topics:</u> تفہیم <u>Learning Objectives:</u> نادیدہ عبارت پڑھ کر سوالات کے جوابات لکھنا <u>Resources needed:</u> پی پی ٹی پروجیکٹر - کتاب - ۱۔ <u>Homework/Assignments:</u> دی گئی عبارت کو گھر میں پڑھیں۔ سوالات کے جوابات مکمل کریں



- To appreciate the efforts of the Companions in preserving the Qur'an accurately.

Resources needed:

- The Holy Qur'an
- Islamiyat textbook
- Smartboard/projector and PowerPoint presentation
- Timeline showing revelation, compilation and standardization of the Qur'an
- Worksheets / activity cards
- Relevant Qur'anic verses and Hadith references

- **Homework/Assignments:**

Create a short **timeline of the history of the Qur'an**, from the first revelation to the standardized copies during Uthman's (R.A.) caliphate.

- Revise the roles of **Prophet Muhammad**, **ؓ Zayd ibn Thabit (R.A.)**, **Abu Bakr (R.A.)** and **Uthman (R.A.)** in the preservation of the Qur'an.