



LEARNING TRAILS AY 2026-27

YEAR:10

TERM 1_WEEK 5(Sep 28th -2nd Oct , 2026)

ENGLISH	MATHEMATICS
Topics: Note-Taking Grammar- <i>Connecting Words</i> Writing- <i>Essay Writing</i> <u>Learning Objectives:</u> • Note-Taking: Analyse spoken information to select and record key points accurately and concisely. • Grammar – Connecting Words: Evaluate and use appropriate connecting words to establish clear logical relationships between ideas. • Writing – Essay Writing: Construct a coherent, well-organised essay using relevant ideas, effective structure, and appropriate language. <u>Resources needed:</u> • Notebooks • Stationaries • Worksheets • PPTs <u>Homework/Assignments:</u> • <i>Note Making Worksheets</i> • <i>Grammar Practice Worksheets</i>	Topics: Surds <u>Learning Objectives:</u> Understand the concept of surds and their representation. Simplify surds and perform basic operations involving surds. Rationalize surd denominators and simplify expressions. Apply surds in solving equations and word problems. Use surds in practical applications and real-life contexts. <u>Resources needed:</u> Smartboards, whiteboards, PPTs, Textbook, worksheets 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 HW



ADVANCED ARABIC	GENERAL ARABIC
Topics: اسم الفاعل Learning Objectives: 1. أن يشتق اسم الفاعل من الفعل الثلاثي 2. أن يعرب اسم الفاعل من الفعل الثلاثي بطريقة صحيحة 3. أن يكتب اسم الفاعل في جمل مفيدة 4. أن يشتق اسم الفاعل من الفعل الثلاثي 5. يعرب اسم الفاعل إعراباً وافياً 6. يوظفه في مواقف حياتية Resources needed: الكتاب المدرسي _ بوربوينت _ صور عن اسم الفاعل _ بطاقات كلمات _ دفتر الطالب Homework/Assignments: حل أنشطة الكتاب - كتابة نص سردي مكتمل البناء من مقدمة وعرض وخاتمة عن (مكارم الأخلاق) وأهميتها لتربط المجتمع موظفا اسم الفاعل في كتاباته .	Topics: وظيفة الأحلام Learning Objectives: • أن يقرأ الطالب النص قراءة صحيحة • أن يتعرف الطالب المفردات الجديدة في النص • أن يحدد الطالب الفكرة العامة للنص • أن يستخرج الطالب معلومات بسيطة من النص • أن يجيب الطالب عن أسئلة مباشرة حول النص • أن يذكر الطالب بعض الوظائف المختلفة • أن يكتب الطالب جملاً بسيطة عن وظيفة أحلامه Resources needed: الكتاب المدرسي _ بوربوينت _ صور عن الوظائف _ بطاقات كلمات _ دفتر الطالب Homework/Assignments: حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس - كتابة 3 جمل عن وظيفة أحلام الطالب
PHYSICS	BIOLOGY
Topics: Motion – v-t graph Acceleration of freefall. Learning Objectives: • Sketch, plot, and interpret speed–time graphs using real-life or experimental data. • Identify motion characteristics such as constant acceleration (straight line with positive slope) and changing acceleration (curved line). • Understand the link between speed–time graph shapes and real-world motion. • Describe the motion of objects falling in a uniform gravitational field with and without air resistance Resources needed: Graph paper, ruler, pencil, video, ppt Homework/Assignments:	Topics: Unit 2: Organisation of the organism 2.1. Cell structure, 2.2. Levels of organisation Learning Objectives: • Identify, compare and state the function of plant, animal and bacterial cell structures. • State that new cells are produced by cell division, and describe how specialised cells are adapted for their specific function. • Explain the terms cell, tissue, organ, organ system and organism, using syllabus examples to show how they relate to one another. Resources needed: • Marshall Cavendish textbook, pages 19-26. • PowerPoint/slides • Plant and animal cell structure, bacterial cell structure, specialised cell reading handout.



Refer to the worksheet.	<u>Homework/Assignments:</u> • Draw and label the structures of plant, animal, and bacterial cells.
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<u>Topics:</u> The Periodic Table - arrangement, trends across periods, and trends down groups <u>Learning Objectives:</u> • Describe the Periodic Table as an arrangement of elements in periods and groups, in order of increasing proton (atomic) number, and describe the change from metallic to non-metallic character across a period • Explain the relationship between group number and the charge of the ions formed by elements in that group, and explain similarities in the chemical properties of elements in the same group in terms of their electronic configuration <u>Resources needed:</u> Chemistry coursebook, periodic table templates for labelling periods/groups,, Smart board, ppt., video demonstration of Group 1 vs Group 7 reactivity trends , past papers (IGCSE 0620) <u>Homework/Assignments:</u> Using a copy of the Periodic Table: (a) for a given element, state its period and group and explain how its position is determined by its proton number; (b) describe how properties change from metallic to non-metallic across Period 3, naming one clearly metallic and one clearly non-metallic element as examples	<u>Topics:</u> Energy Resources <u>Learning Objectives:</u> • classify energy resources as renewable (non-finite) or non-renewable (finite), using geothermal, hydro-electric, solar, and wind power as examples. • explain why geothermal, hydro-electric, solar, and wind power are classified as renewable energy resources. <u>Resources needed:</u> <u>PPT, Textbook, Assignment sheet</u> <u>Homework/Assignments:</u> Prograssive assessment on Monday 28 September



ISLAMIC ARABIC	ISLAMIC STUDIES
Topics: (تابع درس السبع الموبقات (حديث شريف Learning Objectives: - أن يقرأ الطالب الحديث الشريف قراءة صحيحة - أن يعدد الطالب السبع الموبقات الواردة في الحديث - 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	Topics: The Seven Grave Sins (Hadith) Learning Objectives: - Students will be able to recite the Hadith correctly. - Students will be able to identify the seven grave sins mentioned in the Hadith. - Students will be able to explain the key vocabulary and meanings of the Hadith. Resources needed: - Islamic Education textbook. - Text of the Hadith. - Holy Qur'an. - Whiteboard and PowerPoint presentation. - Educational cards about the seven grave sins. - Worksheet and practical activities. Homework/Assignments: - Memorize the Hadith of the Seven Grave Sins and prepare for recitation. - Complete the textbook activities related to the lesson.
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 Homework/Assignments:	Topics: 1.4: Types of Computer 1.5: Emerging Technologies 18: Databases Learning Objectives: Compare and contrast between desktop computers and mobile computers.



Graphing the Pakistan Economic and Trade with various countries of the world	- Analyze the impact of emerging technologies on everyday life. - 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 chapters 1.1-1.3
TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
<u>Topics:</u> 1.6 Types of destinations <u>Learning Objectives:</u> To define tourist destinations. To classify different tourist destinations. <u>Resources needed:</u> Textbook, Notebook, Case studies <u>Homework/Assignments:</u> Practice Topical case studies	<u>Topics:</u> UMM al Nar and UAE's Bronze Age <u>Learning Objectives:</u> To understand the Umm Al Nar's importance in UAE heritage <u>Resources needed:</u> MOE-MSCS book, PPT <u>Homework/Assignments:</u> Umm Al Nar Case Study
ACCOUNTING	BUSINESS
<u>Topics:</u> Double entry book keeping <u>Learning Objectives:</u> To balance the ledger accounts and to interpret the ledger balances <u>Resources needed:</u> Text book Formats Task Sheets <u>Homework/Assignments:</u> End of Text book questions	<u>Topics:</u> 1.3.1 Enterprise and entrepreneurship <u>Learning Objectives:</u> To identify characteristics of successful entrepreneurs. To analyze the features of successful entrepreneurs <u>Resources needed:</u> Textbook, Notebook, Topical case studies <u>Homework/Assignments:</u>



	Practice topical past papers.
ECONOMICS	UAE ARABIC
Topics: PPC , The role of markets in allocating resources Learning Objectives: To explain the consequences of the shifts in the ppc To define a market To explain the roles of buyers and sellers Resources needed: PPT Text book Task sheet Homework/Assignments: Four – part questions	Topics: موقع الوطن العربي و أهميته Learning Objectives: • يتعرف المفاهيم والمصطلحات الواردة في الدرس. • يتعرف الوطن العربي من حيث الخصائص والتحديات التي (تفرضها طبيعته الجغرافية (الموقع الجغرافي Resources needed: <u>الكتاب المدرسي</u> <u>الانشطة الصفية</u> <u>البوربوينت</u> Homework/Assignments: يتميز الوطن العربي بموقع جغرافي مهم، لكنه يواجه تحديات بسبب اتساع مساحته وتنوع تضاريسه. برأيك، كيف يمكن للدول العربية استثمار موقعها الجغرافي ومواردها الطبيعية للتغلب على هذه التحديات وتحقيق التنمية؟
ISLAMIYAT	URDU
Topics: Surah Al-An'am and Surah Al-Baqarah Learning Objectives: • To explain the main themes and teachings of the selected verses. • To identify the attributes and power of Allah mentioned in the verses. • To explain how the verses strengthen the belief in Tawhid (Oneness of Allah). • To discuss the importance of these teachings in a Muslim's life. • To apply the lessons of the verses to real-life situations. Resources needed:	Topics: Translation Learning Objectives: Translate the given paragraph into Urdu. Resources needed: Ppt-Text book.1.note book Homework/Assignments: Translate the given paragraph from Text book



- Islamiyat textbook.
- The Holy Qur'an.
- Whiteboard and PowerPoint presentation.
- Qur'anic verses and translation.
- Worksheets and classroom activities.
- Short educational video.

Homework/Assignments:

- Complete the **textbook activities/questions** related to the passages.
- Revise the **themes and importance** of the selected verses from Surah Al-An'am and Surah Al-Baqarah.