



LEARNING TRAILS AY 2025-26

GRADE: 9

TERM 3_WEEK 7 (May 4th – 8th May , 2026)

ENGLISH	MATHEMATICS
<p>Topics:</p> <ol style="list-style-type: none"> 1. Reading Comprehension- GL model 2. GRAMMAR- Comparative Adverbs 3. Writing- Review Writing <p>GL Based Practice:</p> <ol style="list-style-type: none"> 1. Subject Verb Agreement 2. Spelling 3. Punctuation <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Demonstrate understanding of a text by identifying explicit information, making inferences, and analyzing language use. • Analyze and justify the use of comparative adverbs in complex sentences, distinguishing between <i>-er</i> forms and <i>more/less + adverb</i> with grammatical accuracy. • To write a clear evaluative review with justified opinions and appropriate language. • Apply accurate grammar, punctuation, and spelling to construct clear and correct sentences. <p>Resources needed:</p> <ul style="list-style-type: none"> • Past papers or practice questions • Pens, highlighters, and notebooks • Timer or stopwatch • Whiteboard and markers <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • GL Practice Paper • Grammar Practice Paper 	<p>Topics:</p> <p>Sets and Venn diagram</p> <p>Learning Objectives:</p> <p>Number of elements in set A $n(A)$</p> <ul style="list-style-type: none"> • Understand the concept of sets and their elements. • Familiarity with set operations, such as union and intersection. • Represent relationships between sets using Venn diagrams. <p>Resources needed:</p> <p>Textbooks or educational websites with lessons, examples, and practice problems related to sets and Venn diagrams.</p> <p>b. Worksheets or handouts with exercises and problems for defining sets, representing them with Venn diagrams, and performing set operations.</p> <p>c. Poster or visual aid displaying Venn diagrams and set notation.</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • Solve 5 even number questions from textbook • Weekly Test (Every THURSDAY) • Question of the day (Monday to Thursday 4:00pm to 11:59 pm)



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: رواية الأمير الصغير الفصول 9-10</p> <p>Learning Objectives: أن يحدد المتعلم عناصر الرواية. أن يحلل المتعلم عناصر الرواية وخيارات المؤلف في اختيار الكلمات والأساليب الأدبية المناسبة للنص. أن يلخص المتعلم الفصول التي قرأها بطريقة إبداعية.</p> <p>Resources needed: الرواية - العرض التقديمي - الدفتر</p> <p>Homework/Assignments: سيعقد اختبار في مهارة الاستماع يوم الثلاثاء</p>	<p>Topics: العالم الافتراضي</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• أن يستمع الطالب لنص عن العالم الافتراضي ويفهم فكرته العامة.• أن يتعرف مفردات أساسية مرتبطة بالعالم الافتراضي.• أن يجيب شفهيًا عن أسئلة بسيطة حول الموضوع.• أن يعبر بجمل قصيرة عن استخدامه للعالم الافتراضي.• أن يشارك في حوار بسيط حول فوائد وأضرار العالم الافتراضي. <p>Resources needed: الكتاب المدرسي - العرض التقديمي - السبورة - الدفتر</p> <p>Homework/Assignments: حل ورقة العمل</p>
PHYSICS	BIOLOGY
<p>Topics: Corrective lenses, dispersion of light, sound</p> <p>Learning Objectives: Describe the use of converging and diverging lenses to correct long-sightedness and short-sightedness Describe Dispersion of light Describe the production of sound by vibrating sources Describe a method involving a measurement of distance and time for determining the speed of sound in air</p> <p>Resources needed: Ppt, pencil, ruler, notebook</p> <p>Homework/Assignments: Refer to workbook and worksheet</p>	<p>Topics: Gas exchange</p> <p>Learning Objectives: Describe the features of gas exchange surfaces in humans, limited to: large surface area, thin surface, good blood supply and good ventilation with air Identify in diagrams and images the following parts of the breathing system: lungs, diaphragm, ribs, intercostal muscles, larynx, trachea, bronchi, bronchioles, alveoli and associated capillaries State the function of cartilage in the trachea Explain the role of the ribs, the internal and external intercostal muscles and the diaphragm in producing volume and pressure changes in the thorax leading to the ventilation of the lungs Investigate the differences in composition between inspired and expired air using limewater as a test for carbon dioxide Describe the differences in composition between inspired and expired air, limited to: oxygen, carbon dioxide and water vapour</p> <p>Resources needed:</p>



	Text book, videos, presentation, simulations Homework/Assignments: Complete the worksheet, and learn the given task , draw the diagram.
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Chemical Energetics – Endothermic & Exothermic Reactions, Reaction Pathway Diagrams, Enthalpy Change & Activation Energy</p> <p>Learning Objectives: To distinguish between endothermic and exothermic reactions and interpret reaction pathway diagrams to explain enthalpy change and activation energy.</p> <p>Resources needed: PowerPoint presentation on chemical energetics, Reaction pathway diagram worksheets, Simulation/video showing energy changes in reactions, Smart board</p> <p>Homework/Assignments: Draw and label reaction pathway diagrams for one endothermic and one exothermic reaction, indicating activation energy and enthalpy change . Solve structured questions on identifying reaction types based on energy changes. Past paper questions.</p>	<p>Topics: Drought</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Identify and describe the main natural and human causes of drought. Explain how factors such as low rainfall, high temperatures, and overuse of water contribute to drought conditions. Analyse the relationship between climate patterns and human activities in increasing the risk of drought <p>Resources needed: <u>PPT, Assignment sheet</u></p> <p>Homework/Assignments: Research one recent drought (any country) and list at least three causes of that drought.</p> <p>Progressive Assessment on Monday Topic: Plate Tectonics</p>
	ISLAMIC STUDIES
	<p>Topics: Surah Al-Waqi'ah (75–96)</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> The student should be able to deduce the greatness of the Holy Qur'an and the truth of its divine source. The student should be able to distinguish between the conditions of people at the time of death as mentioned in the verses. The student should develop a sense of Allah's power through reflection on the verses.



	<p><u>Resources needed:</u></p> <ul style="list-style-type: none">• The Holy Qur'an• PowerPoint presentation• A video showing scenes of the universe (stars) to support understanding• Worksheets• Smart board <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none">• Memorize verses (75–96) from Surah Al-Waqi'ah• Complete the activities in the textbook
URDU	PAKISTAN STUDIES
<p><u>Topics:</u> <i><u>Students will attempt their final Board exams- (O levels) on Monday 4th May 2026</u></i></p> <p><u>Learning Objectives:</u></p> <p><u>Resources needed:</u></p> <p><u>Homework/Assignments:</u></p>	<p><u>Topics:</u> “Musical Chair Politics” of the 1990s – 2nd Tenures of Nawaz Sharif and Benazir Bhutto</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Describe the pattern of political instability during the 1990s in Pakistan.• Analyze the causes and consequences of repeated changes in government. <p><u>Resources Needed:</u></p> <ul style="list-style-type: none">• PPT / slides• Timeline of 1990s governments• Short video clip / documentary• Board & markers <p><u>Homework / Assignments:</u></p> <ul style="list-style-type: none">• Write a short explanation of why governments changed frequently in the 1990s.• Create a timeline showing the terms of Nawaz Sharif and Benazir Bhutto.



ICT	TRAVEL AND TOURISM
<p>Topics: 6.6: Banking Applications 6.7: Computers in Medicine 17: Document Production</p> <p>Learning Objectives:</p> <p>Theory</p> <ul style="list-style-type: none"> • Explain the concepts of internet banking and telephone banking • Describe the process of cheque clearing • Describe how computers are used to record and maintain patient data. • Explore how 3D printers are used in producing medical aids. <p>Practical</p> <ul style="list-style-type: none"> • Spellcheck and proofread the document • Revise how to format an MS Word documents including styles, layout, tables, images, and spellcheck. <p>Resources needed: Smartboard, PPT, Notebook, Kahoot, Tablets</p> <p>Homework/Assignments: Complete and submit the ICT Practical Assignment.</p>	<p>Topics: Market segmentation</p> <p>Learning Objectives: To analyze the importance of market segmentation. To classify the ways of market segmentation</p> <p>Resources needed: E book, Topical case studies</p> <p>Homework/Assignments: Practice past papers</p>
ACCOUNTING	BUSINESS STUDIES
<p>Topics: Other payables and other receivables</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Recognise the importance of matching costs and revenues • Prepare ledger accounts and journal entries to record accrued and prepaid expenses 	<p>Topics: Marketing</p> <p>Learning Objectives: To analyze the importance of marketing in the success of business.</p> <p>Resources needed: E book,</p>



<p>Prepare ledger accounts and journal entries to record accrued and prepaid incomes.</p> <p>Resources needed:</p> <p>Text book Task sheet Topical questions</p> <p>Homework/Assignments:</p> <p>Topical questions</p>	<p>Topical case studies</p> <p>Homework/Assignments:</p> <p>Practice topical past papers uploaded in edu nation</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics:</p> <p>Macroeconomic government intervention</p> <p>Learning Objectives:</p> <p>To explain the criteria that governments may set for meeting each aim</p> <p>To discuss the possible conflicts between macroeconomic aims</p> <p>Resources needed:</p> <p>Text book PPTs Topical question</p> <p>Homework/Assignments:</p> <p>Topical questions</p>	<p>Topics: Trends in Local and International Trade</p> <p>Learning Objectives:</p> <p>Students begin by understanding the changing trends in local and international trade, including globalization, e-commerce, technological advancements, and how trade connects countries and economies around the world.</p> <p>Resources Needed:</p> <p>PPTs, textbook, notebook, smartboard, case studies, and white chart paper.</p> <p>Homework/Assignments:</p> <p>Complete the task sheet on trade trends and write a short paragraph on how technology has influenced modern trade</p>
UAE ARABIC	ISLAMIC ARABIC
<p>Topics:</p> <p>الدخل و الضرائب الضرائب</p> <p>Learning Objectives:</p> <p>يشرح مصادر الإيرادات العامة للدول يحدد أهدافها</p> <p>Resources needed:</p> <p>اكتاب المدرسي العرض التقديمي</p> <p>Homework/Assignments:</p> <p>حل الاسئلة في الكتاب المدرسي ص 75</p>	<p>Topics:</p> <p>(تابع درس سورة الواقعة (75-96)</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">أن يتلو الطالب الآيات (75-96) من سورة الواقعة تلاوة صحيحة.أن يفسر المفردات والمعاني العامة للآيات.أن يوضح معنى القسم بمواقع النجوم ودلالته.أن يستنتج عظمة القرآن الكريم وصدق مصدره.أن يميز بين أحوال الناس عند الموت كما وردت في الآيات.أن يستشعر قدرة الله تعالى من خلال التأمل في الآيات. <p>Resources needed:</p>



اعداد مشروع الفصل الدراسي الثالث باختيار موضوع من أحد المدرسين
المقررين
إدارة الموارد و الأنشطة الإقتصادية في الوطن العربي:
أو الدخل و الضرائب

- القرآن الكريم.
- عرض تقديمي (PowerPoint).
- فيديو يوضح مشاهد الكون (النجوم) لربط المعنى.
- أوراق عمل.
- سيورة ذكية

Homework/Assignments:

- حفظ الآيات (75-96) من سورة الواقعة.
- حل أنشطة الكتاب المدرسي.

ART AND DESIGN

Topics: Description to creating a visual scene

Learning Objectives:

- **Interpretive Skills:** Translate a written descriptive text into a balanced visual composition with **80% accuracy** to the narrative details.
- **Technical Mastery:** Apply **layering and blending techniques** with colored pencils to create at least three distinct tonal values (light, mid, and dark).
- **Color Theory:** Demonstrate the use of **complementary or analogous colors** (rather than just black) to create depth and realistic shadows.
- **Observational Accuracy:** Use directional strokes to mimic the **actual texture** of the objects described (e.g., smooth vs. rough surfaces).

Resources needed:

- **Artist-Grade Colored Pencils:** A set with a high pigment-to-wax ratio (e.g., Prismacolor, Faber-Castell, or similar) to allow for effective burnishing.
- **Heavyweight Paper (160gsm - 220gsm):** Paper with a slight "tooth" or texture is necessary to hold multiple layers of wax/oil pigment.
- **Colorless Blender or White Pencil:** For the final "burnishing" stage to smooth out graininess.
- **Graphite Pencil (HB or 2H):** For the light initial "skeleton" sketch (light pressure is key, so it doesn't smudge into the colors).
- **Precision Eraser:** A battery-operated or "mono zero" eraser for lifting small highlights out of layered pigment.

Homework/Assignments: