



LEARNING TRAILS AY 2025-26

GRADE: 9

TERM 3_WEEK 8 (May 11th – 15th May , 2026)

ENGLISH	MATHEMATICS
<p>Topics: Reading Comprehension- GL model Listening-IGCSE Cambridge model (<i>Progressive Test-1</i>) Writing- Review Writing GL Based Practice: 1. Subject Verb Agreement 2. Spelling 3. Punctuation Learning Objectives:</p> <ul style="list-style-type: none"> • Demonstrate understanding of a text by identifying explicit information, making inferences, and analyzing language use. • To analyze and infer specific and implied information from an IGCSE-style listening text, identifying main ideas, details, opinions, and attitudes accurately. • To evaluate a text, film, or product and write a structured review with a clear opinion, justified comments, and appropriate language for the target audience. • 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: Numbers Learning Objectives: Demonstrate an understanding of ratio and proportion. Use scales in practical situations Increase and decrease quantity by a given ratio. Apply ratio and proportion concepts to currency exchange.</p> <p>Resources needed: Textbook, Presentations, videos and simulations https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</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 9-11</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: الكتاب المدرسي - العرض التقديمي - الدفتر المدرسي</p> <p>Homework/Assignments: لخص الفصول التي قرأتها من رواية الأمير الصغير في دفترك بطريقة إبداعية. إنجاز المهمة في منصة نهلة وناهل (قراءة القصة وحل التمرينات).</p>	<p>Topics: (السياحة الافتراضية) قراءة</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• أن يقرأ الطالب النص قراءة صحيحة• أن يفهم الطالب فكرة النص• أن يتعرف الطالب كلمات جديدة• أن يميز الطالب بين الزلزال والبركان• أن يجيب الطالب عن أسئلة الفهم والإستيعاب <p>Resources needed: العرض التقديمي - الدفتر - الكتاب المدرسي</p> <p>Homework/Assignments: حل ورقة العمل</p>
PHYSICS	BIOLOGY
<p>Topics: Sound</p> <p>Learning Objectives: Describe the uses of ultrasound in non- destructive testing of materials, medical scanning of soft tissue and sonar including calculation of depth or distance from time and wave speed Describe an echo as the reflection of sound waves</p> <p>Resources needed: Simulation, Ppt, video</p> <p>Homework/Assignments: Refer to worksheet and workbook</p>	<p>Topics: Gas Exchange in humans / Respiration</p> <p>Learning Objectives: Describe the differences in composition between inspired and expired air, limited to: oxygen, carbon dioxide and water vapour Investigate and describe the effects of physical activity on the rate and depth of breathing Explain the link between physical activity and the rate and depth of breathing in terms of: an increased carbon dioxide concentration in the blood, which is detected by the brain, leading to an increased rate and greater depth of breathing Explain the role of goblet cells, mucus and ciliated cells in protecting the breathing system from pathogens and particles State the uses of energy in living organisms, including: muscle contraction, protein synthesis, cell division,</p>



	<p>active transport, growth, the passage of nerve impulses and the maintenance of a constant body temperature</p> <p>Investigate and describe the effect of temperature on respiration in yeast</p> <p>Describe aerobic respiration as the chemical reactions in cells that use oxygen to break down nutrient molecules to release energy</p> <p>Describe anaerobic respiration as the chemical reactions in cells that break down nutrient molecules to release energy without using oxygen</p> <p>Resources needed: Text book, Presentations, videos and simulations</p> <p>Homework/Assignments: Read and learn for class test on unit10.</p>
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Enthalpy Change, Activation Energy, and Bond Breaking & Making</p> <p>Learning Objectives: To explain enthalpy changes and activation of energy in exothermic and endothermic reactions, including the role of and energy changes during bond breaking and bond making.</p> <p>Resources needed: IGCSE Chemistry (0620) ,Edunation platform (DL assessment & MCQs) ,Energy profile diagrams (digital slides/PPT) ,Simulation videos (exothermic and endothermic reactions) ,Student notebook</p> <p>Homework/Assignments: Draw and label an energy profile diagram for: An exothermic reaction An endothermic reaction (Include activation energy and enthalpy change) Explain in 2–3 sentences: Why bond breaking is endothermic . Why bond making is exothermic.</p>	<p>Topics: Natural Hazards</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Define the term <i>drought</i> and identify the key characteristics that distinguish it from other water-related hazards. • Describe the physical and human causes of drought, including rainfall variability, land use changes, and climate patterns. • Explain how physical and human factors interact to increase the frequency and severity of drought in vulnerable regions. <p>Resources needed: PPT Assignment Sheet</p> <p>Homework/Assignments: Task: Research and describe one real-world example of a drought that has occurred anywhere in the world. In your response, include the following:</p> <ol style="list-style-type: none"> 1. The location and year of the drought. 2. Two physical causes that led to drought. 3. Two human activities that worsened the drought. 4. Three impacts it had on people and the environment.



	Write your answers in full sentences in your notebook.
ISLAMIC STUDIES	PAKISTAN STUDIES
<p>Topics: Surah Al-Waqi'ah (75–96)</p> <p>Learning Objectives:</p> <p>By the end of the lesson, students will be able to:</p> <ul style="list-style-type: none">• Recite verses 75–96 of Surah Al-Waqi'ah with correct pronunciation (Tajweed).• Explain the meaning of key vocabulary and the general message of the verses.• Describe the significance of Allah's oath by the positions of the stars.• Identify the evidence of Allah's power mentioned in the verses (creation, life, death, sustenance).• Reflect on the importance of the Qur'an as a divine revelation.• Apply lessons from the verses to strengthen faith and awareness of Allah's power. <p>Resources needed:</p> <ul style="list-style-type: none">• Holy Qur'an• PowerPoint presentation (verses + explanation)• Short video clip on stars/universe (to explain "positions of stars")• Whiteboard / Smartboard• Worksheets (vocabulary + reflection questions)• Highlighters / notebooks <p>Homework/Assignments:</p>	<p>Topic:</p> <p>Foreign Policy of Pervez Musharraf</p> <p>Learning Objectives (Max 2):</p> <ul style="list-style-type: none">• Analyze the key features of Pakistan's foreign policy during Musharraf's era• Critically evaluate the impact of Pakistan's alliance with the USA in the War on Terror <p>Resources Needed:</p> <ul style="list-style-type: none">• PPT slides (screen sharing)• Short video on post-9/11 global politics• Digital map (to show regional relations)• Teams Whiteboard for brainstorming• Chat box / Poll feature <p>Homework / Assignments (DL):</p> <ul style="list-style-type: none">• Write a short analytical paragraph (6–8 lines): <i>"Was Pakistan's foreign policy under Musharraf beneficial for the country? Justify your answer."</i> <p>OR</p>



<ul style="list-style-type: none">Memorize verses 75–96 of Surah Al-Waqi'ah.Write a short reflection (5–7 lines): “What do these verses teach us about the power of Allah?”Complete worksheet (meanings of key Arabic words).	<ul style="list-style-type: none">Create a digital infographic showing Pakistan’s relations with key countries (USA, China, Afghanistan) during Musharraf’s rule
URDU	TRAVEL AND TOURISM
<p>Topics: <u>Board exam for Urdu are over.</u></p> <p>Learning Objectives:</p> <p>Resources needed:</p> <p>Homework/Assignments:</p>	<p>Topics: Key concepts and Travel and tourism</p> <p>Learning Objectives: To practice topical case studies</p> <p>Resources needed: Case studies and Mark scheme</p> <p>Homework/Assignments: Practice topical case studies</p>
ICT	ISLAMIC ARABIC
<p>Topics: 6.8: Expert Systems</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Define what an expert system is and explain its purposeIdentify the key components and stages in the development of an expert system <p>Resources needed: PowerPoint Presentation, Notebook, Kahoot, Smartboard/MS Teams</p> <p>Homework/Assignments:</p> <p>The ICT Practical Examination will be conducted during the ICT Practical lesson of Week 8. If distance learning continues in Week 8, the exam will be conducted online. Ensure that you have a laptop with MS Word installed.</p> <p>Prepare well for the exam. Refer to the following link for the paper solved in class.</p>	<p>Topics: تابع درس سورة الواقعة (75–96)</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">أن يستنتج عظمة القرآن الكريم وصدق مصدرهأن يميز بين أحوال الناس عند الموت كما وردت في الآياتأن يستشعر قدرة الله تعالى من خلال التأمل في الآيات <p>Resources needed:</p> <ul style="list-style-type: none">القرآن الكريم(PowerPoint) عرض تقديميفيديو يوضح مشاهد الكون (النجوم) لربط المعنىأوراق عملسبورة ذكية <p>Homework/Assignments:</p> <ul style="list-style-type: none">حفظ الآيات (75–96) من سورة الواقعةحل أنشطة الكتاب المدرسي



<https://youtu.be/xc8XWuq52-4?si=xdpwFihHt3r7Jdee>

ACCOUNTING

Topics:

Other receivables and Other Payables

Learning Objectives:

To formulate ledger accounts to record other receivables and payables

To analyse the impact of other receivables and payables in financial statements

Resources needed:

Task Sheets

Homework/Assignments:

Topical questions

BUSINESS STUDIES

Topics:

Marketing

Learning Objectives:

To analyse the importance of marketing

Resources needed:

Textbook,

Quiz let

Topical case studies

Homework/Assignments:

Practice topical past papers

ECONOMICS

Topics:

Fiscal policy

Learning Objectives:

To define the government budget, surplus and deficit

To explain the meaning of fiscal policy

To analyse the reasons for government spending

To discuss the reasons for taxation

Resources needed:

Text book , ebook , ppts , topical questions

Homework/Assignments:

Text book questions and topical questions

MORAL, SOCIAL AND CULTURAL STUDIES

Topics: Trends in Local and International Trade

Learning Objectives:

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.

Resources Needed:

PPTs, textbook, notebook, smartboard, case studies, and white chart paper.

Homework/Assignments:

Complete the **task sheet on trade trends** and write a short paragraph on how technology has influenced modern trade.



UAE ARABIC	ART AND DESIGN
<p>Topics: الطاقة في الوطن العربي مصادر الطاقة التقليدية و المتجددة في الوطن العربي</p> <p>Learning Objectives: يُميز بين مصادر الطاقة في الوطن العربي</p> <p>Resources needed: كتاب المدرسي العرض التقديمي</p> <p>Homework/Assignments: إعداد مشروع الفصل الدراسي الثالث حل أنشطة درس الدخل و الضرائب</p>	<p>Topics: Description of creating a visual scene</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• 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) <p>Resources needed:</p> <ul style="list-style-type: none">• 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: