



LEARNING TRAILS AY 2025-26

GRADE: 9

TERM 3_WEEK 4 (April 13th – 17th April 2026)

ENGLISH	MATHEMATICS
<p>Topics: Reading Comprehension – GL model passage Listening– IGCSE Cambridge model Writing: Informal Email Writing GL Based Practice: 1. Subject Verb Agreement 2. Punctuation 3. Spelling Errors Learning Objectives: • Analyze a GL-style reading passage to interpret key ideas and evaluate supporting details to justify answers. • Extract and interpret key information accurately from spoken texts. • Compose a clear, engaging informal email using appropriate tone and structure. Resources needed: • Past papers or practice questions • Pens, highlighters, and notebooks • Timer or stopwatch • Whiteboard and markers Homework/Assignments: • GL Practice Paper • Grammar Practice Paper</p>	<p>Topics: Differentiation/Functions Learning Objectives: To find the equation of tangent. • Determine the nature of the turning points. To find the coordinates of the stationary point on the graph. • Functions: Use function notation, e.g. $f(x) = 3x - 5$, $f: x \mapsto 3x - 5$, to describe simple functions. • Form composite functions as defined by $gf(x) = g(f(x))$. • Inverse of a function: Find inverse functions $f^{-1}(x)$. Resources needed: https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580 Homework/Assignments: • Solve 5 even number questions from textbook • Weekly Test (Every THURSDAY) • Question of the day (Monday to Thursday 4:00pm to 11:59 pm)</p>



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: (الممنوع من الصرف) العلم</p> <p>Learning Objectives: أن يتعرف المتعلم الممنوع من الصرف أن يعرب المتعلم الممنوع من الصرف أن يوظف المتعلم الممنوع من الصرف في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - الدفتر - العرض التقديمي</p> <p>Homework/Assignments: حل تمرينات الدرس</p>	<p>Topics: (في حب الساحرة المستديرة) قراءة - كتابة</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• أن يقرأ المتعلم النص قراءة صحيحة وواضحة مع مراعاة النطق السليم.• أن يحدد الفكرة العامة والأفكار الفرعية للنص المقروء.• أن يستخرج مفردات جديدة مرتبطة بكرة القدم ويفهم معانيها من السياق.• أن يجيب عن أسئلة فهم كتابية بسيطة حول النص.• أن يكتب فقرة قصيرة يعبر فيها عن حبه لكرة القدم أو يصف مباراة بأسلوبه الخاص. <p>Resources needed: الكتاب المدرسي - الدفتر - العرض التقديمي</p> <p>Homework/Assignments: حل أنشطة الكتاب المدرسي</p>
PHYSICS	BIOLOGY
<p>Topics: Refraction of light</p> <p>Learning Objectives: Describe internal reflection and total internal reflection using both experimental and everyday examples Describe the use of optical fibres, particularly in telecommunications</p> <p>Resources needed: Textbook, notebook, calculator, geometry box</p> <p>Homework/Assignments: Refer to workbook and worksheet</p>	<p>Topics: Transport, diseases and immunity</p> <p>Learning Objectives: Describe the process of clotting as the conversion of fibrinogen to fibrin to form a mesh. Describe a pathogen as a disease-causing organism Describe a transmissible disease as a disease in which the pathogen can be passed from one host to another Describe active immunity as defence against a pathogen by antibody production in the body Explain the importance of the following in controlling the spread of disease Describe antibodies as proteins that bind to antigens leading to direct destruction of pathogens or marking of pathogens for destruction by phagocytes Explain that active immunity is gained after an infection by a pathogen or by vaccination</p> <p>Resources needed: Ms Teams, Break rooms, PPT, online tools .</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Past Paper Questions Practice-METALS, Oxidation & Reduction</p> <p>Learning Objectives: Apply knowledge of metal properties, reactivity series, and extraction methods to solve past paper questions accurately. Understand and identify oxidation and reduction reactions using electron transfer and oxygen/hydrogen definitions.</p> <p>Resources needed: Cambridge IGCSE 0620 past papers (Metals topic), mark schemes, presentation slides, Edunation / Microsoft Teams, Interactive quiz tools (MS Forms / Edunation quiz), and lesson slides (OIL RIG concept), Worked examples of redox reactions</p> <p>Homework/Assignments: Solve one structured and one multiple-choice past paper (Metals) Self-assess using mark scheme and reflect on errors. Identify oxidation and reduction in given reactions</p>	<p>Homework/Assignments: Revise the topic learnt</p> <p>Topics: Managing natural hazards</p> <p>Learning Objectives: describe and explain the distribution and causes of tropical cyclones (storms, hurricanes and typhoons)</p> <p>Resources needed: PPT, Assignment sheet</p> <p>Homework/Assignments: Research on global pattern of cyclones.</p>
ISLAMIYAT	ISLAMIC STUDIES
<p>Topics: Past Papers (CIE Islamiyat 2058 – Paper 1 & Paper 2)</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Qur'an Passages (Translation & Explanation)• Hadith Studies (Themes & Application)• Life of Prophet ﷺ (Seerah)	<p>Topics: Social Laws in the Holy Qur'an</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Define social laws in Islam and explain their importance in building a just and peaceful society.• Identify key Qur'anic principles such as justice (<i>Adl</i>), equality, respect, and cooperation.



<ul style="list-style-type: none">• Pillars of Islam (Beliefs & Practices)• Islamic History & Caliphate• Islamic Law & Moral Teachings <p>Resources needed:</p> <ul style="list-style-type: none">• Understand and analyze past paper questions from Paper 1 and Paper 2.• Apply Qur’anic verses and Hadith in structured exam answers.• Develop exam-writing skills (short answers, structured responses, evaluation questions).• Improve time management and answering techniques for Cambridge exams. <p>Homework/Assignments:</p> <ul style="list-style-type: none">• Past Papers (2023–2025) – Paper 12 & 22• Marking Schemes (Official Cambridge)• Model Answers / Teacher Notes• Whiteboard / PPT slides for explanation• Microsoft Teams / Edunation LMS (for online practice)• Quiz platforms (Kahoot / Quizizz for revision)	<ul style="list-style-type: none">• Analyze real-life situations and apply Qur’anic social laws in daily interactions (school, home, community).• Demonstrate Islamic values such as honesty, kindness, and responsibility in social behavior. <p>Resources needed:</p> <ol style="list-style-type: none">1. Qur’an (translated excerpts) – Selected verses related to justice, equality, and social responsibility.2. PowerPoint presentation – Visual explanation of social laws with examples.3. Microsoft Teams / Edunation LMS – For online discussion, quizzes, and assignment submission.4. Interactive tools – Kahoot / Quizizz / Padlet for engagement and formative assessment. <p>Homework/Assignments:</p> <ul style="list-style-type: none">• Reflection Task: Write a short paragraph explaining <i>how you can apply one social law from the Qur’an in your daily life.</i>• Activity Task: Prepare a simple example (real-life or imaginary) showing justice or kindness in society and share it in class or on MS Teams.
<p style="text-align: center;">URDU</p>	<p style="text-align: center;">PAKISTAN STUDIES</p>
<p>Topics:</p> <ul style="list-style-type: none">• کیمبریج اسیسمنٹ پر وضاحت اور ہدایات• برقی نامہ نویسی <p>Learning Objectives:</p> <ul style="list-style-type: none">• ای میل کے خاکہ کو سمجھنا اور لکھنا• پاسٹ پیپرز کو حل کرنا	<p>Topic:</p> <p>Rule of Zia-ul-Haq – Islamization</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Critically examine the Islamization policies and their influence on Pakistan’s legal and social framework



<p><u>Resources needed:</u> پاسٹ پیپرز۔ کتاب۔ ۱۔ لیب ٹاپ</p> <p><u>Homework/Assignments:</u> پاسٹ پیپرز کو حل کر کے ٹیچر کو بتائیں۔</p>	<ul style="list-style-type: none">• Assess the short-term and long-term implications of religious reforms on governance and society• Evaluate differing viewpoints on Islamization through structured online discussion <p><u>Resources Needed (DL – Teams):</u></p> <ul style="list-style-type: none">• PowerPoint (screen shared on Teams)• Summary slides of Islamization policies (Hudood Ordinances, Zakat system, etc.)• Short video clip (contextual overview)• Microsoft Teams chat & poll feature• Breakout rooms for group discussion• Shared document (Google Docs / Teams) <p><u>Homework / Assignments (DL):</u></p> <ul style="list-style-type: none">• Submit on Teams: “To what extent did Islamization reshape Pakistani society?” (120–150 words)• Post in Teams discussion: One Islamization policy and justify whether its impact was beneficial or challenging
<p style="text-align: center;">ICT</p>	<p style="text-align: center;">TRAVEL AND TOURISM</p>
<p><u>Topics:</u> 6.4: School management System 12: Images in MS Word</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">- Analyze the advantages and disadvantages of using the school management system.- Place an image with precision and edit it (resize, crop, rotate, reflect) <p><u>Resources needed:</u></p>	<p><u>Topics:</u> Marketing mix promotion</p> <p><u>Learning Objectives:</u> To analyze different methods of promotion that can be effectively used in tourism industry</p> <p><u>Resources needed:</u> E book Case Studies</p> <p><u>Homework/Assignments:</u> Topical data response questions</p>



<p>PowerPoint Slides, MS Teams, Word Cloud, Nearpod, MS Word, Notebook</p> <p><u>Homework/Assignments:</u></p> <p>Revise chapters 6.1, 6.2, 6.3 for the class test scheduled for the second theory period.</p>	
<p>ACCOUNTING</p>	<p>BUSINESS STUDIES</p>
<p><u>Topics:</u> Comprehensive questions –Bank reconciliation Statement</p> <p><u>Learning Objectives:</u> To update cash book(bank column) and to formulate a bank reconciliation statement</p> <p><u>Resources needed:</u> <u>Text book,Topical questions,Task sheets</u></p> <p><u>Homework/Assignments:</u> Practise questions (To be assigned in Teams)</p>	<p><u>Topics:</u> Communication</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none"> • identify different communication methods, both internal and external • Explain why communication is important for a business • explain the advantages and disadvantages of different methods of communication • recommend and justify a suitable method of communication to use in each situation • Analyze examples of communication barriers • Analyze the reasons for and problems caused by communication barriers • Evaluate how communication barriers can be reduced or removed <p><u>Resources needed:</u> E book Case studies</p> <p><u>Homework/Assignments:</u> Topical data response questions</p>
<p>ECONOMICS</p>	<p>MORAL, SOCIAL AND CULTURAL STUDIES</p>
<p><u>Topics:</u> Firms’ costs, revenue and objectives</p> <p><u>Learning Objectives:</u></p>	<p>Topics: 21st Century Infrastructure and Smart Initiatives</p>



To define total revenue and average revenue
To calculate total revenue and average revenue
To examine the objectives of firms
To explain the ways of increasing profit by a firm

Resources needed:

Textbook ,PPT , e-book ,topical questions

Homework/Assignments:

Topical questions and textbook questions

Learning Objectives:

Students begin by understanding the concept of **modern infrastructure and smart initiatives**, including smart cities, sustainable development, digital technologies, and how these innovations improve quality of life and economic growth.

Resources Needed:

PPTs, textbook, notebook, smartboard, short video clips, and white chart paper.

Homework/Assignments:

Complete the task sheet on **smart infrastructure and initiatives** and write a short note on any one smart city project.

UAE ARABIC

Topics:

إدارة الموارد والأنشطة الاقتصادية في الوطن العربي
الامن المائي والغذائي في الوطن العربي

Learning Objectives:

يستخلص العلاقة بين الأمن المائي والغذائي و العوامل المؤثرة فيها

Resources needed:

الكتاب المدرسي
العرض التقديمي

Homework/Assignments:

حل أنشطة الدرس في الكتاب المدرسي

البدأ في تسليم مشاريع الفصل الدراسي الثالث

و اختيار موضوع من احد الدرسين
إدارة الموارد و الأنشطة الاقتصادية
الدخل و الضرائب

ISLAMIC ARABIC

Topics:

«لَا ضَرَرَ وَلَا ضِرَارَ»

Learning Objectives:

- أَنْ يُفَسِّرَ الطَّالِبُ مَعْنَى حَدِيثِ: «لَا ضَرَرَ وَلَا ضِرَارَ».
- أَنْ يُمَيِّزَ بَيْنَ مَفْهُومِ الضَّرَرِ وَالضَّرَارِ.
- أَنْ يَذْكَرَ أَمْثِلَةً عَلَى صُورِ الْإِدَاءِ فِي الْحَيَاةِ الْيَوْمِيَّةِ.
- أَنْ يُبَيِّنَ كَيْفِيَّةَ تَجَنُّبِ إِدَاءِ الْآخَرِينَ.
- أَنْ يُطَبِّقَ الْقَاعِدَةَ الشَّرْعِيَّةَ فِي مَوَاقِفَ حَيَاتِيَّةٍ مُخْتَلِفَةٍ

Resources needed:

- لعرض الدرس المترامني. Microsoft Teams منصبة
- تقاعلي. (PowerPoint) معروض تقديمي
- فيديو تعليمي قصير يشرح الحديث.
- (Microsoft Forms) نموذج تقييم إلكتروني.
- (Whiteboard) سبورة إلكترونية.
- أو أنشطة رقمية مشاركة عبر المنصة PDF ملفات

Homework/Assignments:

- حل نموذج إلكتروني (اختيار من متعدد).
- كتابة فقرة قصيرة:
- كيف أطبق حديث «لَا ضَرَرَ وَلَا ضِرَارَ» في حياتي؟



- ذِكْرُ مَثَالَيْنِ عَلَى تَجَنُّبِ الْإِيْدَاءِ فِي الْبَيْتِ أَوْ الْمَدْرَسَةِ.
- Teams. مُشَارَكَةُ الْإِجَابَاتِ عَلَى فَنَاءة

ART AND DESIGN

Topics: Grid Drawing

Learning Objectives:

- **Proportional Accuracy:** To replicate or scale an image without distorting the subject.
- **Observational Precision:** To focus on specific lines and shapes within a single square rather than the whole image.
- **Skill Building:** To transition from "drawing what you think you see" to "drawing what is actually there."

Resources needed:

- **Reference Image:** A clear photo to be gridded.
- **Ruler:** For measuring precise, equal squares.
- **Hard Pencil (H or 2H):** To draw light grid lines that can be easily erased later.
- **Drawing Paper:** To create the final work.
- **Eraser:** To remove the grid once the outline is complete.

Homework/Assignments: