



## LEARNING TRAILS AY 2025-26

GRADE: 9

TERM 3\_WEEK 6 (April 27<sup>th</sup> – May 1<sup>st</sup>, 2026)

ENGLISH	MATHEMATICS
<p><b>Topics:</b>  <b>Reading Comprehension-</b> GL Model  <b>Speaking-</b> IGCSE Cambridge model (<i>Short Talk</i>)  <b>Writing-</b> Review Writing  <b>GL Based Practice:</b></p> <ol style="list-style-type: none"> <li>1. Subject Verb Agreement</li> <li>2. Spelling</li> <li>3. Punctuation</li> </ol> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"> <li>• Demonstrate understanding of a text by identifying explicit information, making inferences, and analyzing language use.</li> <li>• To express ideas clearly and fluently in spoken English using appropriate language and structure.</li> <li>• To write a clear evaluative review with justified opinions and appropriate language.</li> <li>• Apply accurate grammar, punctuation, and spelling to construct clear and correct sentences.</li> </ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"> <li>• Past papers or practice questions</li> <li>• Pens, highlighters, and notebooks</li> <li>• Timer or stopwatch</li> <li>• Whiteboard and markers</li> </ul> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>• GL Practice Paper</li> <li>• Grammar Practice Paper</li> </ul>	<p><b>Topics:</b>  <b>Graph of functions</b></p> <p><b>Learning Objectives:</b>  <b>Plot and draw smooth curved graphs of functions.</b></p> <ul style="list-style-type: none"> <li>• Draw tangents to the curve at specific points on the graph.</li> <li>• To know how to find the gradient of the tangent drawn</li> <li>• Interpret conversion graphs.</li> <li>• Solve equations using curved graphs.</li> </ul> <p><b>Resources needed:</b>  <a href="https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580">https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</a>  <b>Graph book worksheet, Scale, pencil etc.</b></p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>• Solve 5 even number questions from textbook</li> <li>• Weekly Test (Every THURSDAY)</li> <li>• Question of the day (Monday to Thursday 4:00pm to 11:59 pm)</li> </ul>



ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> رواية الأمير الصغير / الفصول 7 - 10</p> <p><b>Learning Objectives:</b> 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><b>Resources needed:</b> الكتاب المدرسي - الدفتر - العرض التقديمي - السبورة الذكية</p> <p><b>Homework/Assignments:</b> لخص الفصول التي قرأتها من رواية الأمير الصغير في دفترك بطريقة إبداعية. إنجاز المهمة في منصة نهلة وناهل (قراءة القصة وحل التمرينات) .</p>	<p><b>Topics:</b> ( لحظات لاتنسي في كأس العالم ) قراءة - كتابة</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• أن يقرأ الطالب نصًا عن أبرز لحظات كأس العالم قراءة صحيحة ومعبرة.</li><li>• أن يحدّد الفكرة العامة والأفكار الرئيسة للنص المقروء.</li><li>• أن يستخرج معلومات وتفاصيل من النص مثل أحداث المباريات أو الشخصيات الرياضية.</li><li>• أن يتعرّف مفردات جديدة مرتبطة بكرة القدم ويستخدمها في جمل مفيدة.</li><li>• أن يكتب الطالب فقرة قصيرة يصف فيها لحظة مميزة في مباراة كرة قدم أو يعبر عن رأيه في كأس العالم.</li></ul> <p><b>Resources needed:</b> العرض التقديمي - السبورة الذكية - كتاب الطالب - الدفتر</p> <p><b>Homework/Assignments:</b> حل أنشطة الكتاب المدرسي</p>
PHYSICS	BIOLOGY
<p><b>Topics:</b> Thin lenses</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Draw and use ray diagrams for the formation of a real image by a converging lens.</li><li>• Describe the use of converging and diverging lenses to correct long-sightedness and short-sightedness</li><li>• <b>Progressive test-</b> 3.2 Light, 3.2.1 Reflection of light, 3.2.2 Refraction of light</li></ul> <p><b>Resources needed:</b> Notebook, Graph paper, geometry box</p> <p><b>Homework/Assignments:</b> Refer to workbook and worksheet</p>	<p><b>Topics:</b> Diseases and immunity</p> <p><b>Learning Objectives:</b></p> <ol style="list-style-type: none"><li>1. Describe cholera as a disease caused by a bacterium which is transmitted in contaminated water</li><li>2. Explain that the cholera bacterium produces a toxin that causes secretion of chloride ions into the small intestine, causing osmotic movement of water into the gut, causing diarrhea, dehydration and loss of ions from the blood</li><li>3. Explain the importance of the following in controlling the spread of disease</li><li>4. Describe the features of gas exchange surfaces in humans, limited to: large surface area, thin surface, good blood supply and good ventilation with air</li><li>5. Identify in diagrams and images the following parts of the breathing system: lungs, diaphragm, ribs,</li></ol>



	<p>intercostal muscles, larynx, trachea, bronchi, bronchioles, alveoli and associated capillaries</p> <p>6. Investigate the differences in composition between inspired and expired air using limewater as a test for carbon dioxide</p> <p><b>Resources needed:</b> Text book, videos, PPT,</p> <p><b>Homework/Assignments:</b> Worksheets from past paper.</p>
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p><b>Topics:</b> Redox Reactions—KMnO<sub>4</sub> Colour Changes 6.1) Chemical Energetics-Exothermic/Endothermic Reactions and Reaction Pathway Diagrams.</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Students will be able to identify redox reactions by observing and explaining the colour changes of potassium manganate(VII)</li><li>• Students will be able to explain exothermic and endothermic reactions using reaction pathway diagrams and apply this understanding in structured and extended-response questions.</li></ul> <p><b>Resources needed:</b> Potassium manganate solution, potassium iodide, and hydrogen peroxide Test tubes and lab equipment Energy profile (reaction pathway) diagrams PowerPoint slides and simulation videos Past paper worksheet (0620)</p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"><li>• Complete workbook questions on redox reactions (KMnO<sub>4</sub> colour changes).</li><li>• Complete workbook questions on exothermic and endothermic reactions.</li></ul>	<p><b>Topics:</b> Managing natural hazards</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• <b>Describe</b> what flooding is and identify different types of floods (e.g., river, coastal, flash).</li><li>• <b>Explain</b> the natural causes of flooding, such as heavy rainfall, storms, and snowmelt.</li><li>• <b>Explain</b> human causes of flooding, including urbanisation, deforestation, and poor drainage systems.</li></ul> <p><b>Resources needed:</b> PPT, Assignmentsheets</p> <p><b>Homework/Assignments:</b></p> <p><b>Case Study Task:</b> Research a recent flood (location, causes, impacts) and write a short paragraph explaining why it occurred.</p>



- Draw and label reaction pathway diagrams for both exothermic and endothermic reactions.

### ISLAMIYAT

#### Topics:

- Practice of **Paper 1 (History & Qur'anic Themes)**
- Practice of **Paper 2 (Hadith & Islamic Teachings)**

#### Learning Objectives:

- Solve past paper questions (2023–2024) accurately.
- Apply exam techniques for **10-mark and 4-mark questions**.
- Identify command words (describe, explain, evaluate).
- Structure answers using **points, examples, and development**.
- Improve time management during exams.
- Analyse marking schemes to understand examiner expectations.

#### Resources needed:

- Past Papers (2023–2024) – Paper 1 & Paper 2
- Marking schemes
- PowerPoint (exam techniques & model answers)
- Whiteboard / Smart board
- Worksheets (practice questions)
- Timer (for exam simulation)

### ISLAMIC STUDIES

#### Topics:

Surah Al-Waqi'ah (75–96)

#### Learning Objectives:

- The student should be able to recite verses (75–96) of Surah Al-Waqi'ah correctly.
- The student should be able to explain the vocabulary and general meanings of the verses.
- The student should be able to explain the meaning of the oath by the positions of the stars and its significance.
- 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.

#### Resources needed:

- The Holy Qur'an
- PowerPoint presentation
- A video showing scenes of the universe (stars) to support understanding
- Worksheets
- Smart board

#### Homework/Assignments:

- Memorize verses (75–96) from Surah Al-Waqi'ah



<p><b>Homework/Assignments:</b> Solve one full past paper (timed: 1 hour 30 minutes).</p> <ul style="list-style-type: none"><li>Review answers using marking scheme.</li><li>Write one <b>10-mark model answer</b> (teacher-assigned topic).</li><li>Memorize key facts (battles, dates, names, Qur'anic themes).</li></ul>	<ul style="list-style-type: none"><li>Complete the activities in the textbook</li></ul>
<p style="text-align: center;"><b>URDU</b></p>	<p style="text-align: center;"><b>PAKISTAN STUDIES</b></p>
<p><b>Topics:</b> کی مشق پیپر ۲</p> <p><b>Learning Objectives:</b> پاسٹ پیپرز کی مشق کرنا.</p> <p><b>Resources needed:</b> پاسٹ پیپرز</p> <p><b>Homework/Assignments:</b> سے ۲۰۲۵ تک کے پیپر ۲ کی مشق کریں اور کتاب ۲۰۲۳ سے بھی سوالات حل کریں۔</p>	<p><b>Topic:</b> End of Zia-ul-Haq's Rule &amp; Revival of Democracy</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>Analyze the key events leading to the end of Zia-ul-Haq's rule</li><li>Evaluate the factors behind the revival of democracy in Pakistan</li><li>Assess the impact of Zia's death on Pakistan's political system</li></ul> <p><b>Resources Needed:</b></p> <ul style="list-style-type: none"><li>PPT slides</li><li>Timeline (1977–1988)</li><li>Short video clip on Zia's rule and aftermath</li><li>Whiteboard / markers</li></ul> <p><b>Homework / Assignments:</b></p> <ul style="list-style-type: none"><li>Write a short answer: "How did Zia-ul-Haq's death lead to the return of democracy?"</li><li>Create a timeline: Key Events → Crisis → Transition to Democracy</li></ul>



ICT	TRAVEL AND TOURISM
<p><b>Topics:</b> 6.6: Banking Systems 13: Layout - Tables</p> <p><b>Learning Objectives:</b></p> <p><b>THEORY</b></p> <ul style="list-style-type: none"> <li>○ Identify the different ICT applications in banking</li> <li>○ Describe the purpose and functions of ATM and EFT</li> </ul> <p><b>PRACTICAL</b></p> <ul style="list-style-type: none"> <li>○ Create a table with a specific number of rows and columns</li> <li>○ Import a table from csv file into the Word document</li> <li>○ Sort the contents of a table</li> <li>○ Set horizontal and vertical cell alignments</li> <li>○ Shade the cells</li> <li>○ Adjust the column width and row height</li> <li>○ Insert a new row/column in the table</li> </ul> <p><b>Resources needed:</b> PPT, Smartboard, Notebook, Tablets</p> <p><b>Homework/Assignments:</b></p> <ul style="list-style-type: none"> <li>- Submit the ICT Project (assigned in MS Teams) latest by Sunday (26<sup>th</sup> April)</li> </ul>	<p><b>Topics:</b> Destination marketing- Market research</p> <p><b>Learning Objectives:</b> To analyze the primary and secondary methods of tourism market research</p> <p><b>Resources needed:</b> E book, Topical past papers</p> <p><b>Homework/Assignments:</b> Practice topical case studies</p>
ACCOUNTING	BUSINESS STUDIES
<p><b>Topics:</b> Accounting Principles Evaluation of bank Reconciliation Statement</p> <p><b>Learning Objectives:</b> To apply the learning principles to preparation of financial statements</p>	<p><b>Topics:</b> <b>Motivation</b></p> <p><b>Learning Objectives:</b> To analyze the key concepts of motivational theories To apply it in real business scenarios</p> <p><b>Resources needed:</b></p>



<p>To evaluate the concept of bank reconciliation</p> <p><b>Resources needed:</b> Text book/Format / Topical questions</p> <p><b>Homework/Assignments:</b> Topical Questions</p>	<p>E book, Topical case studies</p> <p><b>Homework/Assignments:</b> Practice topical past papers uploaded in Edu nation</p>
<p><b>ECONOMICS</b></p>	<p><b>MORAL, SOCIAL AND CULTURAL STUDIES</b></p>
<p><b>Topics:</b> Government macroeconomic intervention</p> <p><b>Learning Objectives:</b> To Identify and analyze the main macroeconomic aims. To explain aggregate demand and supply with the help of a diagram To analyse the reasons for economic growth</p> <p><b>Resources needed:</b> Textbook, e-book , ppts , task sheet</p> <p><b>Homework/Assignments:</b> <b>Topical questions</b></p>	<p><b>Topics:</b> Innovation in Healthcare, Education, and Social Services</p> <p><b>Learning Objectives:</b> Students begin by understanding the <b>role of innovation in improving healthcare, education, and social services</b>, including the use of technology, digital platforms, and modern strategies to enhance quality of life and community well-being.</p> <p><b>Resources Needed:</b> PPTs, textbook, notebook, smartboard, case study examples, and white chart paper.</p> <p><b>Homework/Assignments:</b> Complete the <b>task sheet on innovations in public services</b> and write a short note on one innovation that has improved daily life.</p>
<p><b>UAE ARABIC</b></p>	<p><b>ISLAMIC ARABIC</b></p>
<p><b>Topics:</b> الدخل و الضرائب الدخل</p> <p><b>Learning Objectives:</b> يبين أهم مصادر الدخل الشخصي</p> <p><b>Resources needed:</b> اكتئاب المدرسي العرض التقديمي</p> <p><b>Homework/Assignments:</b> اعداد مشروع الفصل الدراسي الثالث باختيار موضوع من أحد الدرسين المقررين</p>	<p><b>Topics:</b> (سورة الواقعة (75-96)</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• أن يتلو الطالب الآيات (75-96) من سورة الواقعة تلاوة صحيحة.</li><li>• أن يفسر المفردات والمعاني العامة للآيات.</li><li>• أن يوضح معنى القسم بمواقع النجوم ودلالته.</li><li>• أن يستنتج عظمة القرآن الكريم وصدق مصدره.</li><li>• أن يميز بين أحوال الناس عند الموت كما وردت في الآيات.</li><li>• أن يستشعر قدرة الله تعالى من خلال التأمل في الآيات</li></ul>



إدارة الموارد و الأنشطة الإقتصادية في الوطن العربي:  
أو الدخل و الضرائب

**Resources needed:**

- القرآن الكريم.
- عرض تقديمي (PowerPoint).
- فيديو يوضح مشاهد الكون (النجوم) لربط المعنى.
- أوراق عمل.
- سبورة 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:**