LEARNING TRAILS AY 2026-27

YEAR:10 **TERM 1_WEEK 9(Nov 2nd – 6th Nov , 2026)**

ENGLISH	MATHEMATICS
Topics: **Revision:** **Writing:** Informal Email Writing **Grammar:** Gerunds & Infinitives **Reading:** GL Model **Learning Objectives:** • Students will be able to construct a coherent and well-organised informal email using an appropriate tone, format, and relevant supporting details. • Students will be able to apply the rules of gerunds and infinitives accurately in sentences and written contexts. • Students will be able to interpret, analyse, and evaluate information from a reading passage to answer GL-style comprehension questions accurately. **Resources needed:** • Notebooks • Worksheets • Intervention Task Sheets • Reading Passages **Homework/Assignments:** ***Intervention Task Sheets for grammar.***	**Topics:** Algebra 2: Solving Equations with one unknown. Simultaneous equations **Learning Objectives:** • Derive and solve simple linear equations in one unknown. • Solve simultaneous linear equations in two unknowns. • Derive and solve simple linear equations in two unknown. **Resources needed:** Smart board, whiteboard, ppts, textbook, ppts. https://pastpapers.co/cie/?dir=IGCSE%2FMath **Homework/Assignments:** Weekly test, Weekly Assignment Daily Homework

ADVANCED ARABIC	GENERAL ARABIC
Topics: قصة الدرس الأخير **Learning Objectives:** • أن تحلل الطالبة عناصر البنية السردية للقصة (الشخصيات، الزمان والمكان، الحبكة، نقطة التأزم، والحل). • أن تستنتج الطالبة الفكرة المحورية للقصة (أهمية اللغة والهوية الوطنية ودور التعليم في مواجهة الاحتلال). • أن تتبع الطالبة التطور النفسي والانفعالي لشخصية الراوي (الطفل فرانز) قبل معرفة القرار وبعده مدعمة رأيها بالأدلة. • أن تفسر الطالبة دلالة التصرفات والرموز الواردة بالنص (ارتداء المعلم لملابسه الرسمية، حضور وجهاء القرية، وكتابة عبارة الختام بالإشارة). • أن تصوغ الطالبة نصاً تحليلياً يربط بين اللغة والانتماء الوطني استناداً إلى مقولة المعلم: «التمسك باللغة هو امتلاك لمفتاح السجن». • أن توظف الطالبة الشواهد والاقتباسات من النص بدقة لدعم وجهة نظرها النقدية **Resources needed:** **الكتاب المدرسي - منصة ألف - دفتر الطالبة - السبورة الذكية - العرض التقديمي** **Homework/Assignments:** • أن تصوغ الطالبة نصاً تحليلياً يربط بين اللغة والانتماء الوطني استناداً إلى مقولة المعلم: «التمسك باللغة هو امتلاك لمفتاح السجن».	**Topics:** من يومياتي **Learning Objectives:** • أن يقرأ الطالب النص قراءة صحيحة. • أن يتعرّف الطالب المفردات الجديدة في النص. • أن يحدّد الطالب الفكرة العامة للنص. • أن يستخرج الطالب معلومات بسيطة من النص. • أن يجيب الطالب عن أسئلة مباشرة حول النص. • أن يحدّد الطالب الأحداث اليومية في النص. • أن يكتب الطالب جملًا بسيطة عن يومه. **Resources needed:** الكتاب المدرسي _ بوربوينت _ صور عن الأنشطة اليومية _ بطاقات كلمات _ دفتر الطالب **Homework/Assignments:** حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس - كتابة 3 جمل بسيطة عن يوم الطالب.
PHYSICS	**BIOLOGY**
Topics: 1.5.2 Turning effect of forces 1.5.3 Centre of Gravity **Learning Objectives:** • Describe the moment of a force as a measure of its turning effect and give everyday examples.	**Topics:** Osmosis in plant and animal cell. Active transport. Biological molecules **Learning Objectives:** Describe and explain the effects of dilute and concentrated solutions on plant and animal cells. • Define active transport as the movement of particles from a region of lower concentration

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- Describe an experiment to demonstrate that there is no resultant moment on an object in equilibrium
- Describe an experiment to determine the position of the centre of gravity of an irregularly shaped plane lamina.

Resources needed:

PPT, video, simulations

Homework/Assignments:

Refer to worksheet

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to a region of higher concentration, against the concentration gradient, using energy from respiration.

- Explain how active transport uses energy to move substances across cell membranes.
- Identify the main biological molecules: carbohydrates, proteins and lipids, and recognise their elements.

Resources needed:

Textbook, powerpoint, worksheet for osmosis.

Homework/Assignments:

Textbook page no 49 and 50 questions in notebook.

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<th>CHEMISTRY</th>
<th>ENVIRONMENTAL MANAGEMENT</th>
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Topics: 2.2 Atomic Structure and the Periodic Table; 2.3 Isotopes

Learning Objectives:

- Describe the electronic configuration of the first 20 elements and show it using shell diagrams and notation (e.g. 2,8,1).
- State that noble gases have a full outer shell (stable octet), and relate the group number to the number of outer-shell electrons and the period number to the number of occupied shells.
- Define isotopes as different atoms of the same element that have the same number of protons but different numbers of neutrons, and interpret and use symbols for atoms, e.g. $^{12}_{6}C$, and ions, e.g. $^{35}_{17}Cl^{-}$.

Resources needed:

Chemistry coursebook, Periodic Table charts, electron shell diagram cards, smart board PPT, , past paper questions (IGCSE 0620)

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Topics:

Human Population

Learning Objectives:

Describe where people live in the world using the terms sparsely populated and densely populated.
Define population density and population distribution and calculate population density in people per km².

Resources needed:

PPT, Textbook, Assignment sheet

Homework/Assignments:

Which city in the UAE do you think has the largest population?
Why do many people choose to live in cities such as Dubai and Abu Dhabi?

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Homework/Assignments: Using the Periodic Table, choose four elements from the first 20 (including one noble gas): a) Draw the electron shell diagram and write the electronic configuration of each element. b) For each element, state its group and period and explain how these link to its electronic configuration. Say why the noble gas is unreactive. c) Chlorine has two isotopes, $^{35}_{17}Cl$ and $^{37}_{17}Cl$. Write the number of protons, neutrons and electrons in each, and explain why both are still chlorine. Then do the same for the ion $^{35}_{17}Cl^-$ and explain how it is different from the atom.	
ISLAMIC ARABIC	**ISLAMIC STUDIES**
Topics: درس الدين النصيحة (حديث شريف) **Learning Objectives:** • أن يوضح الطالب معنى النصيحة وأهميتها في الإسلام. • أن يشرح معاني حديث «الدين النصيحة». • أن يحدد الجهات التي تكون لها النصيحة. • أن يستنتج أثر النصيحة الصادقة في بناء مجتمع متماسك. • أن يطبق آداب النصيحة في مواقف الحياة اليومية. **Resources needed:** • كتاب التربية الإسلامية. • السبورة والأقلام. • عرض تقديمي لشرح الحديث الشريف. • منصة ألف (Alef Platform). • أوراق عمل وأنشطة تعليمية تفاعلية. **Homework/Assignments:** • حفظ حديث «الدين النصيحة». • حل أنشطة الدرس في الكتاب المدرسي.	**Topics:** The Core of Religion is Sincerity (Naseeha) **Learning Objectives:** • Understand the meaning and importance of Naseeha (sincere advice) in Islam. • Explain the Hadith: “Religion is sincere advice” (Sahih Muslim). • Identify the five categories of Naseeha: Allah, His Book, His Messenger ﷺ, Muslim leaders, and the general Muslim community. • Describe how sincere advice strengthens trust, unity, and cooperation in society. • Apply Islamic manners when giving and receiving advice. **Resources needed:** • Islamic Education textbook. • Holy Qur'an and Hadith references. • Whiteboard and markers. • PowerPoint presentation.

• حل درس «الدين النصيحة» على منصة ألف (Alef Platform). • كتابة ثلاث نصائح إيجابية يمكن تقديمها للآخرين بأسلوب مهذب.	• Alef Platform. • Worksheets and classroom discussion activities. **Homework/Assignments:** • Memorize the Hadith: الدِّينُ النَّصِيحَة (Religion is sincere advice). • Write three examples of giving sincere advice in daily life. • Explain two manners of giving advice according to Islam. • Write a short paragraph about how Naseeha promotes unity and kindness in society.
PAKISTAN STUDIES	**ICT**
Topics: Politics & Governments after Jinnah's Death **Learning Objectives:** To Assess the causes of political instabilities after Jinnah's death **Resources needed:** Copybook, textbook, ppt **Homework/Assignments:** Creating Jinnah's Vision Charts	**Topics:** **2.3: Output Devices** **18: Databases** **Learning Objectives:** • Discuss the advantages and disadvantages of output devices such as Monitor, Multimedia Projector, Speaker, and Actuator. • Create a tabular report based on a query to display data. • Adjust the columns of the report in Layout View. **Resources needed:** Notebooks, A4 sheets, Stationeries, Glue stick **Homework/Assignments:** Complete the Quiz uploaded on EduNation.

TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
Topics: 2.1 The Scale of Travel and Tourism Demand **Learning Objectives:** • Explain the economic and social factors that affect tourism demand. • Analyze how changes in demographics, health awareness, and social consciousness impact the tourism industry. • Evaluate how governments and businesses manage these factors to sustain tourism demand. **Resources needed:** **Case studies with mark scheme, Student reading material and handout** **Homework/Assignments:** Practice end of chapter questions	**Topics:** Entrepreneurship Skills **Learning Objectives:** To assess the impacts of Entrepreneurship on country development **Resources needed:** Textbook, Copybook, PPT **Homework/Assignments:** Listing Entrepreneurship Skills adopting budgeting in daily life.
ACCOUNTING	**BUSINESS**
Topics: Three Column Cash book **Learning Objectives:** To formulate a three column cash book to calculate the closing balance of cash and bank **Resources needed:** Text book PPT Format Task sheets **Homework/Assignments:** Topical questions	**Topics:** **Learning Objectives:** • Analyze the advantages and disadvantages of operating as a sole trader, partnership and limited companies • Evaluate whether a sole trader/partnership/limited companies, is the most suitable legal structure for a specific business scenario. **Resources needed:** **Textbook, Case studies with mark scheme** **Homework/Assignments:** Practice end of chapter questions

ECONOMICS	UAE ARABIC
Topics: Price change **Learning Objectives:** To analyse how changes in demand and supply can cause price changes To use demand and supply diagrams to illustrate how changes in demand and supply affect price To analyse the consequences of price changes **Resources needed:** PPT Textbook Topical questions **Homework/Assignments:** Four-part questions and topical questions	**Topics:** الوحدة الرابعة : قضايا اقتصادية الدرس الثاني : تكتلات اقتصادية **Learning Objectives:** **مفهوم التكتلات الاقتصادية و أهميتها** **Resources needed:** **الكتاب - بوربوينت - الانشطة التعليمية** **Homework/Assignments:** برأيك , ما فائدة التكتلات الاقتصادية لكل من الدول و الأفراد ؟ **ماذا يحدث لو:** قررت جميع دول العالم إلغاء التكتلات الاقتصادية والاعتماد كلياً على الاقتصاد الفردي لكل دولة؟
ISLAMIYAT	**URDU**
Topics: The Four Rightly Guided Caliphs **Learning Objectives:** • Identify the contributions of the four Rightly Guided Caliphs to the compilation and preservation of the Holy Qur'an. • Explain the reasons for compiling the Qur'an during the caliphate of Abu Bakr (R.A.). • Describe the roles of Umar (R.A.) and Uthman (R.A.) in preserving and standardising the Qur'an. • Explain the role of Ali (R.A.) in preserving and teaching the Qur'an. • Evaluate the importance of the compilation of the Qur'an for future generations. **Resources needed:** • Islamic Education / IGCSE Islamiyat textbook.	**Topics:** • برقی نامہ نویسی اور قواعد **Learning Objectives:** • ای میل کے خاکہ کو سمجھنا اور لکھنا **Resources needed:** **لیپ ٹاپ ۔پی۔پی۔ٹی۔کتاب ۔۱۔نئی کتاب۔** **Homework/Assignments:** • **دئے گئے صفحات کو کلاس ورک میں مکمل کریں۔**

• Whiteboard and markers. • PowerPoint presentation explaining the compilation of the Qur'an. • Qur'anic verses and relevant Hadith references. • Worksheets and interactive learning activities. **Homework/Assignments:** • Read the lesson on the compilation of the Holy Qur'an. • Write a short summary of each Caliph's contribution to the preservation of the Qur'an. • Explain the differences between the compilation under Abu Bakr (R.A.) and the standardisation under Uthman (R.A.). • Complete the textbook activities and prepare for a short class quiz.	