LEARNING TRAILS AY 2026-27

YEAR:10 **TERM 1_WEEK 10(Nov 9th – 13th Nov , 2026)**

ENGLISH	MATHEMATICS
Topics: **Grammar:** Question Tags **Writing:** Essay Writing **Reading Progressive Test** **Learning Objectives:** • To construct accurate question tags using appropriate auxiliary verbs and pronouns. • To compose a well-structured essay using an appropriate tone and relevant details. • To analyse a reading passage and infer meaning from explicit and implicit information. **Resources needed:** • Notebooks • Stationaries • Worksheets • PPTs **Homework/Assignments:** ***Intervention Practice Sheet***	**Topics:** Algebra 2 **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. • Solve simultaneous equations, involving one linear and one qudratic. •Simplify algebraic fractions by canceling common factors. Understand how to combine algebraic fractions into a single fraction. **Resources needed:** Smartboard, whiteboard, ppt, textbook, worksheets https://pastpapers.co/cie/?dir=IGCSE%2FMat **Homework/Assignments:** Weekly Test Weekly Assignment Daily Home work

ADVANCED ARABIC	GENERAL ARABIC
Topics: التشبيه البليغ مع متابعة قصة (الدرس الأخير **Learning Objectives:** • **يستخرج الطالب الأفكار الفرعية والرئيسة من نص القصة** • **يناقش الطالب أهمية التعلم وكيفية جعله جزءًا مهما من حياتنا** • **يكتب الطالب نصا متكاملا من 6 أسطر عن كيفية جعل عملية التعليم أكثر متعة وإنتاجية** • **يتعرف الطالب مفهوم التشبيه** • **يتعرف الطالب على أجزاء التشبيه وتعريف كل جزء وما أهم الأجزاء** • **يفرق الطالب بين أنواع التشبيه البليغ وغيره من حيث كمال الأركان من عدمه** • **يوضح الطالب بلاغة التشبيه البليغ من غيره من أنواع التشبيه الآخرى** • **يكتب الطالب نصا عن المواطنة الإيجابية مسوظفا التشبيهه البليغ في كتاباته .** **Resources needed:** **الكتاب - الدفتر - منصة ألف - السبورة - العرض التقديمى - أوراق العمل** **Homework/Assignments:** يكتب الطالب نصا متكامل الأركان (بداية - وسط - نهاية) من 6 أسطر أو أكثر عن أهمية التعليم وكيفية جعل عملية التعلم أكثر إيجابية واستمتاعا موظفا التشبيه البليغ في كتاباته	**Topics:** مراجعة درس لقاء مشهور **Learning Objectives:** • أن يقرأ الطالب نص الدرس قراءة صحيحة. • أن يراجع الطالب المفردات الجديدة في الدرس. • أن يحدّد الطالب الفكرة العامة للنص. • أن يستخرج الطالب معلومات بسيطة من النص. • أن يجيب الطالب عن أسئلة مباشرة حول الدرس. • أن يذكر الطالب بعض المعلومات عن الشخص المشهور. • أن يكتب الطالب جملًا بسيطة عن شخصية مشهورة. **Resources needed:** الكتاب المدرسي _ بوربوينت _ صور لشخصيات مشهورة _ أوراق عمل للمراجعة _ بطاقات كلمات _ دفتر الطالب **Homework/Assignments:** حل أنشطة مراجعة الدرس - حل ورقة العمل الخاصة بالمراجعة - كتابة 3. جمل بسيطة عن شخصية مشهورة
PHYSICS	**BIOLOGY**
Topics: 1.6 Momentum 1.7 Energy, work and power **Learning Objectives:** • Apply the principle of the conservation of momentum to solve simple problems in one dimension	**Topics:** Biological molecules, Food test, DNA **Learning Objectives:** • List the chemical elements in carbohydrates, fats and proteins, and state that large molecules are built from smaller molecules • Describe the structure of large molecules: starch, glycogen and cellulose as polymers of glucose, protein as a long chain of amino acids, and a fat as glycerol joined to three fatty acids.

• Apply principle of conservation of energy to simple examples including the interpretation of simple flow diagrams **Resources needed:** PPT, Video, simulation **Homework/Assignments:** Refer to worksheets	• Describe how to test for starch (iodine), reducing sugars (Benedict's), protein (biuret) and fats and oils (ethanol emulsion), and interpret the results. • Describe the structure of DNA as a double helix made of two strands joined by complementary base pairs. **Resources needed:** Textbook, PPT, food test worksheet **Homework/Assignments:** Make an A4 or A3 poster that teaches a Year 9 student how to test food for the main biological molecules. Use hand-drawn diagrams with labels. Colour is essential for this poster.
CHEMISTRY	**ENVIRONMENTAL MANAGEMENT**
Topics: 2.4 Ions and Ionic Bonds **Learning Objectives:** • Describe the formation of positive ions (cations) and negative ions (anions) by the loss or gain of electrons. • State that an ionic bond is a strong electrostatic attraction between oppositely charged ions. Describe the formation of ionic bonds between metallic and non-metallic elements, including Group I and Group VII, using dot-and-cross diagrams. • Describe the giant lattice structure of ionic compounds as a regular arrangement of alternating positive and negative ions. • Describe and explain, in terms of structure and bonding, the properties of ionic compounds: high melting and boiling points, and good electrical conductivity when aqueous or molten but poor when solid.	**Topics:** Human Population **Learning Objectives:** • Describe how human population growth leads to the development of informal urban settlements and megacities, and increases pressure on resources, energy, water supply, sanitation, land, facilities and infrastructure. • 2. Explain the environmental, social and economic impacts of human population growth, including waste management, different forms of pollution, traffic congestion and changes in employment opportunities. **Resources needed:** **Textbook, Assignment sheet, PPT** **Homework/Assignments:** Explain five impacts of human population growth on urban areas and the environment. Include examples relating to megacities, resource availability, pollution, waste management, and traffic congestion.

Resources needed: Chemistry coursebook (IGCSE 0620, Topic 2.4), Smart board ppt., dot-and-cross diagram templates, samples of solid NaCl and NaCl solution, , video of molten salt conducting, past papers (IGCSE 0620). **Homework/Assignments:** Using sodium chloride (NaCl) and magnesium oxide (MgO) as examples: (a) Draw dot-and-cross diagrams to show the ionic bonding in NaCl and MgO. (b) Draw and label part of the giant ionic lattice of NaCl. (c) Explain why NaCl has a high melting point, and why it conducts electricity when molten or dissolved in water but not when solid.	
ISLAMIC ARABIC	**ISLAMIC STUDIES**
Topics: تابع 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.	**Topic: The Core of Religion Is Sincere Advice (Naseeha) – Hadith** **Learning Objectives:** • Explain the meaning of Naseeha and its importance in Islam. • Explain the meanings of the Hadith “Religion is sincere advice.” • Identify those to whom Naseeha is due. • Recognise how sincere advice helps build a united society. • Apply the etiquette of giving advice in everyday situations. **Resources Needed:** • Islamic Education textbook. • Whiteboard and markers. • Presentation explaining the Hadith.

Homework/Assignments: • حفظ حديث «الدين النصيحة». • حل أنشطة الدرس في الكتاب المدرسي. • حل درس «الدين النصيحة» على منصة ألف (Alef Platform). • كتابة ثلاث نصائح إيجابية يمكن تقديمها للآخرين بأسلوب مهذب.	• Alef Platform. • Worksheets and interactive learning activities. **Homework/Assignments:** • Memorise the Hadith "Religion is sincere advice."
PAKISTAN STUDIES	**ICT**
Topics: The Ayub Khan era – Decade of Progress **Learning Objectives:** Evaluating the role of Ayub's Decade of development **Resources needed:** Textbook, Copy book, PPT **Homework/Assignments:** Compiling the progress sheet of Ayub's progress and achievements	**Topics:** **3.2: Optical Storage** **18: Databases** **Learning Objectives:** - Analyze the characteristics, uses, advantages and disadvantages of optical storage media - Create a tabular report based on a query to display data. - Adjust the columns of the report in Layout View. - Add a calculated field to a tabular report. **Resources needed:** Notebooks, A4 sheets, Stationeries, Glue stick **Homework/Assignments:** - Complete the ICT Lab (Database) Assignment shared on Edunation and submit the Evidence file and the report latest by **Tuesday (10-November-2026)**

TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
Topics: Factors affecting Tourism Demand **Learning Objectives:** **To analyze different factors affecting tourism demand** **Resources needed:** **Text book, Case studies, PPT** **Homework/Assignments:** Practice end of chapter questions	**Topics:** Becoming an Entrepreneur **Learning Objectives:** To identify and develop the skills to enhance the Entrepreneur skills **Resources needed:** Text book / workboot and PPT **Homework/Assignments:** Lesson Tasks at class and home
ACCOUNTING	**BUSINESS**
Topics: Petty Cash book **Learning Objectives:** **To formulate petty cash book to record petty expenses** **Resources needed:** PPT Text book Formats Task sheets **Homework/Assignments:** Topical questions	**Topics:** Forms of Business **Learning Objectives:** **To explain different forms of private sector business** **Resources needed:** **Text book, Case studies** **Homework/Assignments:** Practice topical past papers
ECONOMICS	**UAE ARABIC**
Topics: Price elasticity of demand **Learning Objectives:** To define ped and to calculate ped To interpret the significance of the ped . To analyse the main influences on whether demand is elastic or inelastic **Resources needed:** **PPT** **Text book**	**Topics:** الوحدة الرابعة : قضايا اقتصادية الدرس الثاني : تكتلات اقتصادية **Learning Objectives:** **ثانيا . نماذج من التكتلات الإقتصادية** **Resources needed:** **الكتاب - بوربوينت - الانشطة التعليمية** **Homework/Assignments:** **قارن بين نموذجين من التكتلات الاقتصادية من حيث الخصائص وتأثيرهما على القضايا الاقتصادية العالمية.**

Case studies **Homework/Assignments:** Four part questions , topical questions	
ISLAMIYAT	**URDU**
Topic: The Qur'an and Sunnah, Ijma and Qiyas **Learning Objectives:** • Define the Qur'an, Sunnah, Ijma and Qiyas as sources of Islamic law. • Explain how the Sunnah clarifies and supports Qur'anic teachings. • Explain how Ijma and Qiyas relate to the Qur'an and Sunnah. • Compare Ijma (scholarly consensus) with Qiyas (legal analogy). • Identify the four elements of Qiyas and explain them through a practical example. **Resources Needed:** • Islamic Education textbook. • The Holy Qur'an and authentic Hadith. • Presentation and smartboard. • Comparison tables and differentiated worksheets. • Interactive learning activities using Wordwall or Kahoot. **Homework/Assignments:** • Complete the textbook questions related to the lesson. • Explain how the Qur'an and Sunnah work together using salah as an example. • Describe one example of Qiyas, identifying the original case, new case, established ruling and shared legal cause.	**Topics:** ای میل **Learning Objectives:** رسمی اور غیر رسمی ای میل کا خاکہ سمجھنا **Resources needed:** **کتاب،۱ ،نئی بک،لیپ ٹاپ،پروجیکٹر** **Homework/Assignments:** **دئے گئے کام کو مکمل کریں**