



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2_WEEK 2 (13th January to 17th January 2025)

ENGLISH	MATHEMATICS
<p>Topics: Transport; vocabulary about transport listening and speaking- uganda's famous motorbike</p> <p>Learning Objectives: recall the rubrics of listening exercise. write an exercise on listening comprehension</p> <p>Resources needed: Student book Online resources (https://learnenglishteens.britishcouncil.org/)</p> <p>Homework/Assignments: what is your favorite mode of transport, give valid reasons</p>	<p>Topics: Indices</p> <p>Learning Objectives: Solve simultaneous equations, involving one linear and one quadratic. Understand the laws of indices. • Apply the laws of indices in various mathematical expressions and equations.</p> <p>Resources needed: Past Papers Cambridge IGCSE Mathematics (0580) GCE Guide</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none">• Solve 5 even number questions from textbook• Weekly Test (Every MONDAY)• Question of the day (Monday to Thursday 6:00pm to 11:59 pm)
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصة العباءة</p> <p>Learning Objectives: أن يفسر المتعلم كلمات النص الأدبي مستنتجا الدلالات التعبيرية الإيحائية والمجازية فيه أن يحلل المتعلم النص لتحديد وجهة نظر الكاتب ووجهات نظر الشخصيات المختلفة في النص أن يعلل المتعلم استخدام اللغة المجازية والمعاني الدلالية للكلمات والعبارات المستخدمة</p>	<p>Topics: تابع حكيم العرب</p> <p>Learning Objectives: أن يتدرب على القراءة الجيدة أن يسجل المفردات الجديدة أن يكتب نص سردي عن الشيخ زايد</p> <p>Resources needed: الكتاب - الدفتر - العرض</p> <p>Homework/Assignments:</p>



<p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - السبور الذكية</p> <p>Homework/Assignments: قراءة قصة العباءة وتحليل عناصرها</p>	<p>اكتب فقرة عن الشيخ زايد</p>
PHYSICS	BIOLOGY
<p>Topics: Gases and absolute scale of temperature.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe qualitatively, in terms of particles, the effect on the pressure of a fixed mass of gas of: a) a change of temperature at constant volume b) a change of volume at constant temperatureDescribe the graphical representation of the relationship $PV=\text{constant}$ <p>Resources needed: Textbook, PPT, Videos, worksheet</p> <p>Homework/Assignments: Refer to past paper questions</p>	<p>Topics: Enzymes and Plant nutrition</p> <p>Learning Objectives: Explain the effect of changes in pH on enzyme activity in terms of shape and fit and denaturation Describe photosynthesis as the process by which plants synthesize carbohydrates from raw materials using energy from light Outline the subsequent use and storage of the carbohydrates made in photosynthesis Investigate the need for chlorophyll, light and carbon dioxide for photosynthesis, using appropriate controls</p> <p>Resources needed: Text book, PPT, videos</p> <p>Homework/Assignments: Drawing, Task sheets, past papers.</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Chemistry of the Environment</p> <p>Learning Objectives: State the source of each of these air pollutants State the adverse effect of these air pollutants Describe how the greenhouse gases carbon dioxide and methane cause global warming</p> <p>Resources needed: Textbook, workbook, ppt, videos</p> <p>Homework/Assignments: Daily questions, weekly assignment, past paper question</p>	<p>Topics: Human Population</p> <p>Learning Objectives: Describe key factors influencing changes in human populations, including birth and death rates, migration, and technological advancements. Describe and explain the changes in human populations</p> <p>Resources needed: Past papers, PPT</p> <p>Homework/Assignments: Research and write a 500-word report that describes the key factors influencing changes in human populations. Focus on the following areas:</p> <ol style="list-style-type: none">1. Birth and Death Rates:<ul style="list-style-type: none">• Explain how birth and death rates affect population size.• Provide examples of countries with high and low birth/death rates and discuss possible reasons.
ISLAMİYAT	ISLAMIC STUDIES
<p>Topics: Faith is a Blessing from Allah</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• For the student to learn the reasons for the revelation of the verses.• For the student to deduce the benefits of faith in Allah.• To identify the difference between faith (Iman) and Islam. <p>Resources needed:</p> <ul style="list-style-type: none">• Textbook• Internet• Presentation slides• Interactive whiteboard• The Holy Quran	<p>Topics: Faith is a Blessing from Allah</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• For the student to learn the reasons for the revelation of the verses.• For the student to deduce the benefits of faith in Allah.• To identify the difference between faith (Iman) and Islam. <p>Resources needed:</p> <ul style="list-style-type: none">• Textbook• Internet• Presentation slides• Interactive whiteboard• The Holy Quran



<p>Homework/Assignments:</p> <ul style="list-style-type: none">Review the presentation for the lesson.Complete the activities in the textbook.	<p>Homework/Assignments:</p> <ul style="list-style-type: none">Review the presentation for the lesson.Complete the activities in the textbook.
<p style="text-align: center;">URDU</p>	<p style="text-align: center;">PAKISTAN STUDIES</p>
<p>Topics:</p> <ul style="list-style-type: none">خالی جگہ پر کریں <p>Learning Objectives:</p> <ul style="list-style-type: none">عبارت کو پڑھ کر مفہوم سمجھنا۔عبارت کو پڑھ کر مناسب لفظ کی مدد سے پیراگراف مکمل کرنا۔مکمل عبارت جوابات کے ساتھ پڑھنا <p>Resources needed:</p> <p>مارکر۔ کتاب۔ ۱۔ کاپی، ڈیجیٹل بورڈ</p> <p>Homework/Assignments:</p> <p>ٹیچر سے جماعت میں دئے گئے صفحات مکمل کرنا۔</p>	<p>Topics:</p> <p>Unit 07 (Agricultural Development)</p> <p>Learning Objectives:</p> <p>Understand the significance of livestock farming in Pakistan.</p> <p>Understand the relationship between farming practices and the environment.</p> <p>What are the Government of Pakistan's efforts to improve agricultural production?</p> <p>Resources needed:</p> <p>Textbook, PPT Slides, Board and Projector</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none">Read the related pages of Unit 7 <p>Research one government initiative for agricultural development and write a short summary</p>
<p style="text-align: center;">ICT</p>	<p style="text-align: center;">TRAVEL AND TOURISM</p>
<p>Topics:</p> <p>Networks Spreadsheets</p> <p>Learning Objectives:</p> <p>Compare and contrast between hub and switch Differentiate between router and bridge Design a spreadsheet using arithmetical functions</p> <p>Resources needed:</p> <p>Textbook PPTs</p>	<p>Topics:</p> <p>Marketing</p> <p>Learning Objectives:</p> <p>To analyze the importance of Marketing research for a tourism industry. To evaluate different methods of market research.</p> <p>Resources needed:</p> <p>Text book PPTs- uploaded in teams Topical case studies</p>



<p>Videos MS Excel</p> <p><u>Homework/Assignments:</u></p> <p>Practice past paper questions</p>	<p><u>Homework/Assignments:</u></p> <p>Practicing real life case studies related to UAE – uploaded in teams</p>
<p>ACCOUNTING</p>	<p>BUSINESS STUDIES</p>
<p><u>Topics:</u> Journal</p> <p><u>Learning Objectives:</u> To understand the need and purpose of preparing a journal To formulate journal</p> <p><u>Resources needed:</u> Text book Task Sheet</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Business objectives and stakeholder objectives.</p> <p><u>Learning Objectives:</u> To explain different objectives of stakeholders. To analyze the conflict between different stakeholders</p> <p><u>Resources needed:</u> Text book Topical case studies with mark schemes uploaded in teams</p> <p><u>Homework/Assignments:</u> Practicing past papers.</p>
<p>ECONOMICS</p>	<p>MORAL, SOCIAL AND CULTURAL STUDIES</p>
<p><u>Topics:</u> Price elasticity of demand and supply</p> <p><u>Learning Objectives:</u> To explain the degrees of elasticity of demand To calculate the price elasticity of supply To interpret the price elasticity of supply figures</p> <p><u>Resources needed:</u> Textbook PPTs Topical based questions</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> The arrival of Islamic Civilization in the Arabian Gulf</p> <p><u>Learning Objectives:</u> To explore the emergence of Islamic civilization in the Arabian Gulf, its cultural, social, and political influences on the region.</p> <p><u>Resources needed:</u> Textbook Activities Videos Worksheets</p> <p><u>Homework/Assignments:</u></p>



	Research and summarize key events leading to the rise of Islamic civilization in the Arabian Gulf, highlighting its regional impact.
UAE ARABIC	ISLAMIC ARABIC
Topics: الوحدة : الملامح البشرية للوطن العربي الدرس : سكان الوطن العربي ثانيا : تركيب السكان Learning Objectives: التعرف علي مفاهيم الجديدة يستنتج العوامل المؤثرة في توزيع السكان Resources needed: الكتاب المدرسي الانشطة الصفية العرض التقديمي Homework/Assignments: بحث حول سكان الوطن العربي	Topics: تابع درس الإيمان فضل من الله تعالى (سورة الحجرات (14-18) Learning Objectives: . أن يتعرف الطالب على اسباب نزول الآيات . أن يستنتج الطالب فوائد الإيمان بالله تعالى . استنباط الفرق بين الإيمان و الإسلام Resources needed: الكتاب المدرسي الشبكة العنكبوتية العرض التقديمي السيورة الإلكترونية القرآن الكريم Homework/Assignments: مراجعة العرض التقديمي للدرس حل أنشطة الكتاب المدرسي
ART AND DESIGN	
Topics: Fruits -Still Life with Apples by Paul Cézanne Learning Objectives: Students will create a still life composition of apples, learning to capture form, light, and shadow in the style of Paul Cézanne. Resources needed: - Sketching paper - Pencils (HB, 2B, 4B) - Erasers - Colored pencils, oil pastels, or paints - Real apples or reference images - Examples of Cézanne's still life paintings	