



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 1_WEEK 13 (18thNovember to 22nd November 2024)

GL Practice Test Schedule

Subject - Science (Sunday - 17/11/24, Timing – 5 to 9 pm)

ENGLISH	MATHEMATICS
<p>Topics: Present perfect Reporting verbs Imperative verb form</p> <p>Learning Objectives: Use present perfect Use reporting verbs Use imperative verb forms</p> <p>Resources needed: Work sheet Ppt video</p> <p>Homework/Assignments: Worksheet on present perfect</p>	<p>Topics: Algebra-1</p> <p>Learning Objectives: Derive and solve simple linear equations in two unknowns.</p> <ul style="list-style-type: none"> • Solve quadratic equations by factorisation, completing the square and by using the Quadratic formula. • Solve simultaneous equations, involving one linear and one quadratic. <p>Resources needed: https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</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: اختبار في مهارة الاستماع</p> <p>Learning Objectives: أن يحلل المتعلم المادة المسموعة محددًا الفكر، والنقاط الرئيسية</p> <p>Resources needed: الكتاب المدرسي - العرض التقديمي - المادة المسموعة</p> <p>Homework/Assignments: مراجعة القواعد النحوية</p>	<p>Topics: اختبار الاستماع + مراجعات</p> <p>Learning Objectives: <u>يستطيع القراءة الجيدة والاجابة عن الاسئلة</u> <u>يستمتع للنص ويفهمه ويحدد الاجابات الصحيحة</u></p> <p>Resources needed: <u>الدفتري و الكتاب والعرض التقديمي</u></p> <p>Homework/Assignments: مراجعة الدروس للأختبار</p>
PHYSICS	BIOLOGY
<p>Topics: ENERGY, WORK AND POWER</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe how useful energy may be obtained, or electrical power generated from different energy resources.Describe advantages and disadvantages of each method in terms of renewability, availability, reliability, scale and environmental impactInvestigate how energy released by nuclear fusion can be used to produce electrical energy on a large scale.Define power as work done per unit time and also as energy transferred per unit time <p>Resources needed: PPT, videos, simulations</p> <p>Homework/Assignments: Worksheet, past paper questions</p>	<p>Topics:</p> <ul style="list-style-type: none">Unit 4- Biological molecules <p>Learning Objectives:</p> <ul style="list-style-type: none">State that large molecules are made from smaller molecules,Describe the structure of a DNA molecule: (a) two strands coiled together to form a double helix (b) each strand contains chemicals called bases (c) bonds between pairs of bases hold the strands together (d) the bases always pair up in the same way: A with T, and C with G (full names are not required) <p>Resources needed:</p> <ul style="list-style-type: none">Smart boardLaptopTextbookWorkbookcopybook <p>Homework/Assignments:</p> <ul style="list-style-type: none">Unit related past paper questions practiceTopic related worksheet posted on teams



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Chemistry of the Environment</p> <p>Learning Objectives: Describe chemical tests for the presence of water using anhydrous cobalt(II) chloride and anhydrous copper(II) sulfate Describe how to test for the purity of water using melting point and boiling point Explain that distilled water is used in practical chemistry rather than tap water State that water from natural sources may contain substances, including: (a) dissolved oxygen (b) metal compounds (c) plastics (d) sewage (e) harmful microbes (f) nitrates from fertilisers (g) phosphates from fertilisers and detergents State that some of these substances are beneficial and some are harmful.</p> <p>Resources needed: Textbook, workbook, Videos, PPTs</p> <p>Homework/Assignments: Daily Questions, Weekly Assignments, past paper questions</p>	<p>Topics: Conservation and management of energy resources</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Identify and explain various renewable and non-renewable energy sources and their role in energy management. Describe key strategies for reducing energy consumption and improving energy efficiency in different sectors (e.g., residential, industrial, transportation). Analyze the impact of energy conservation practices on environmental sustainability and propose solutions to minimize energy waste. <p>Resources needed: PPT, Past Papers</p> <p>Homework/Assignments: Research and Compare Energy Sources: Choose two renewable energy sources (e.g., solar, wind, hydro) and two non-renewable energy sources (e.g., coal, natural gas, oil). Write a report comparing their environmental impacts, efficiency, and potential for long-term sustainability.</p>
ISLAMIYAT	ISLAMIC STUDIES
<p>Topics: History of Revelation of Quran</p> <p>Learning Objectives: Understand the timeline and key stages in the revelation of the Quran, Recognize the significance of the gradual revelation of the Quran over 23 years.</p> <p>Resources needed: A Quranic timeline chart illustrating the periods and events associated with the revelation, including significant surahs and their contexts.</p> <p>Homework/Assignments:</p>	<p>Topics: The Core of Religion is Sincerity (Naseeha)</p> <p>Learning Objectives: Students will learn the meaning of sincerity (Naseeha) and why it is considered the core of Islamic faith and practice. Students will explore how sincerity applies to their relationships with Allah, others, and themselves.</p> <p>Resources needed: Whiteboard, markers, and printed worksheets for a group discussion or activity on scenarios where students can apply sincerity in real-life situations.</p>



<p>Write a summary of the first revelation, focusing on the events in the Cave of Hira and its significance in Islam.</p>	<p><u>Homework/Assignments:</u> Students are to find one Quranic verse or hadith that emphasizes sincerity (Naseeha) and briefly explain its relevance in a paragraph.</p>
<p style="text-align: center;">URDU</p>	<p style="text-align: center;">PAKISTAN STUDIES</p>
<p><u>Topics:</u></p> <p style="text-align: center;">Khulasa Nigari</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Read a passage and summarize it in 100 words limit with the points of Notes making headings. <p><u>Resources needed:</u></p> <ul style="list-style-type: none">• Book.1• Marker• Ppt <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none">• Page:194.258.259.226• Class Test	<p><u>Topics:</u></p> <ol style="list-style-type: none">1. Test 22. Review of Term 1 topics (<i>Presentation, Lessons, tests & Practice</i>) <p><u>Learning Objectives:</u> To ensure students understand the topics that are being taught. To re-teach topics where students find difficulty in understanding</p> <p><u>Resources needed:</u> Laptop, Textbooks, PPTs, Handouts, White board & Markers.</p> <p><u>Homework/Assignments:</u> Check Teams regularly and follow the instructions.</p>



ICT	TRAVEL AND TOURISM
<p><u>Topics:</u> Chapter 3- Storage Devices</p> <p><u>Learning Objectives:</u> To distinguish between different storage devices Revision of chapter 1,2, and 3</p> <p><u>Resources needed:</u> Past Paper questions</p> <p><u>Homework/Assignments:</u> Class Assessment will be conducted during theory first period. ETE1 Practical will be conducted according to the following schedule. 9C and 9D- 18th November 9A- 21st November 9D- 22nd November</p>	<p><u>Topics:</u> Customer care in tourism industry</p> <p><u>Learning Objectives:</u> To Analyse the importance of customer care in tourism industries</p> <p><u>Resources needed:</u> Case studies, Textbook</p> <p><u>Homework/Assignments:</u> Practice past papers.</p>
ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Purchase journal and Purchase returns journal</p> <p><u>Learning Objectives:</u> To record credit purchases and purchase returns in books of prime entry</p> <p><u>Resources needed:</u> Text book Task sheets Formats</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Business objectives</p> <p><u>Learning Objectives:</u> To Analyse the importance of setting business objectives. To Analyse any four main objectives of business</p> <p><u>Resources needed:</u> Textbook, Topical case studies</p> <p><u>Homework/Assignments:</u> Practicing end of chapter questions.</p>



ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics: Price changes</p> <p>Learning Objectives: To analyze the effect of changes in supply To demonstrate the changes in demand and supply with the help of diagrams</p> <p>Resources needed: Textbook Topical questions shared through teams</p> <p>Homework/Assignments: Four-part questions from the textbook Weekly test on every Thursday</p>	<p>Topics: Ship Building and Trade: ED Dur And the Arabian Gulf</p> <p>Learning Objectives: Examine the significance of shipbuilding and trade in Ed Dur and the Arabian Gulf.</p> <p>Resources needed: PPTS Videos Textbook Activities</p> <p>Homework/Assignments: Investigate Ed Dur's role in Arabian Gulf trade, focusing on shipbuilding techniques, key trade routes, and cultural exchanges.</p>
UAE ARABIC	ISLAMIC ARABIC
<p>Topics: موقع الوطن العربي و اهميته دستور دولة الامارات العربية المتحدة التكتلات الاقتصادية</p> <p>Learning Objectives: يقوم بمناقشة و حل عدد من الانشطة اثرائية مرتبطة بالدروس المشار اليها</p> <p>Resources needed: الكتاب المدرسي أنشطة صفية العرض التقديمي</p> <p>Homework/Assignments: حل جميع أنشطة الدروس المشار اليها</p>	<p>Topics: (الدين النصيحة) حديث شريف</p> <p>Learning Objectives: أن يقرأ الطالب الحديث قراءة سليمة أن يتعرف الطالب على معاني الكلمات الواردة في الحديث أن يستنتج الطالب أنواع النصيحة وآدابها</p> <p>Resources needed: الكتاب المدرسي السيبورة الذكية اليوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي حفظ الحديث الشريف مراجعة العرض التقديمي للدرس</p>



ART AND DESIGN

Topics: Acrylic painting & blending -Andy Warhol

Learning Objectives:

- Introduce Andy Warhol and his style of pop art.
- Teach acrylic painting and blending techniques to create bold, vibrant colors.

Resources needed:

- Canvas or thick paper
- Acrylic paints (primary colors, black, white)
- Paintbrushes (various sizes)
- Palettes
- Reference images of Andy Warhol's work, like his iconic portraits