



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 1_WEEK 11 (4th November to 8th November 2024)

GL PRACTICE TEST on
Sunday 03/11/24
Subject-Mathematics
Timing- 5 pm to 9 pm

ENGLISH	MATHEMATICS
<p><u>Topics:</u> Article writing Figures of speech punctuation</p> <p><u>Learning Objectives:</u> To write an article To identify figures of speech and to use them in writing To punctuate correctly</p> <p><u>Resources needed:</u> Worksheet Ppt workbook</p> <p><u>Homework/Assignments:</u> Worksheet on article writing</p>	<p><u>Topics:</u> Equations</p> <p><u>Learning Objectives:</u> Solve simultaneous linear equations in two unknowns.</p> <ul style="list-style-type: none"> • Derive and solve simple linear equations in two unknowns. • Solve quadratic equations by factorisation, completing the square and by using the Quadratic formula. • Solve simultaneous equations, involving one linear and one quadratic. <p><u>Resources needed:</u> https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</p> <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none"> • Solve 5 even number questions from textbook <ul style="list-style-type: none"> • Weekly Test (Every MONDAY) • Question of the day (Monday to Thursday 6:00pm to 11:59 pm)



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: اسم المفعول</p> <p>Learning Objectives: أن يشتق المتعلم اسم المفعول من الأفعال الثلاثية وغير الثلاثية أن يعرب المتعلم اسم المفعول إعراباً صحيحاً أن يوظف المتعلم اسم المفعول في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: حل تمارين الدرس</p>	<p>Topics: يوميات كافكا</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">التعرف على كاتب مشهورالتعرف على فرانز كافكا وأهم أعماله وأسلوبه الأدبيفهم المفردات الأساسيةتعلم بعض المفردات الأدبية المتعلقة باليوميات والحياة اليومية والمعاناة الشخصية <p>Resources needed:</p> <p>مواقع إلكترونية أدبية وتعليمية</p> <ul style="list-style-type: none">موقع أبجد: يوفر موقع أبجد مراجعات وملخصات للكتب، بما في ذلك أعمال كافكا، مما يساعد الطلاب على فهم المواضيع بشكل أعمقموقع الوراق: يحتوي على نصوص مترجمة ومقتطفات من الأدب العالمي، ومنها بعض نصوص كافكا <p>Homework/Assignments:</p> <p>تحليل مقتطف من اليوميات</p> <ul style="list-style-type: none">المطلوب: اختيار فقرة قصيرة من يوميات كافكا، وكتابة تحليل من 3-4 جمل يوضحون فيها ما يشعر به كافكا في هذه الفقرة، أو الأفكار الرئيسية التي يعبر عنهاالأهداف: تعزيز مهارات التحليل والتفسير الأدبي، وتعميق فهم الطلاب لأسلوب كافكا
PHYSICS	BIOLOGY
<p>Topics: Momentum, Energy</p> <p>Learning Objectives:</p>	<p>Topics:</p> <ul style="list-style-type: none">_Osmosis <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe the role of water as a solvent in



- To solve problems regarding conservation of momentum in one dimension
- To Apply principle of conservation of energy to simple examples including the interpretation of simple flow diagrams.
- Recall and use the equation for mechanical working $W = Fd = \Delta E$

Resources needed:

PPT, Videos, worksheets

Homework/Assignments:

Worksheets, past paper questions.

organisms with reference to digestion, excretion and transport

- State that water diffuses through partially permeable membranes by osmosis
- State that water moves into and out of cells by osmosis through the cell membrane
- Investigate osmosis using materials such as dialysis tubing
- Investigate and describe the effects on plant tissues of immersing them in solutions of different concentrations
- State that plants are supported by the pressure of water inside the cells pressing outwards on the cell wall

Resources needed:

- Smart board
- Laptop
- Textbook
- Copy book
- worksheet

Homework/Assignments:

- Topic related past paper questions practice

CHEMISTRY

Topics:

The Periodic Table

Learning Objectives:

Describe the Group VII halogens, as diatomic non-metals with general trends down the group
State the appearance of the halogens at r.t.p.
Describe and explain the displacement reactions of halogens with other halide ions
Predict the properties of other elements in Group VII
Describe the Group VIII noble gases as unreactive, monatomic gases and explain this in terms of electronic configuration

ENVIRONMENTAL MANAGEMENT

Topics:

Energy resources and the generation of electricity

Learning Objectives:

Describe the process of burning fossil fuels (coal, oil, natural gas) to produce steam that drives turbines to generate electricity.
Explain the environmental impacts of fossil fuel use, such as greenhouse gas emissions and air pollution.
Outline the process of nuclear fission and how it produces heat to generate steam for electricity production.

Resources needed:

PPT, Past Papers



<p><u>Resources needed:</u> Worksheet, PPT, video, Workbook, textbook</p> <p><u>Homework/Assignments:</u> Daily Questions, Weekly Questions, past paper questions</p>	<p><u>Homework/Assignments:</u></p> <p>Research Task: Investigate how fossil fuels, especially oil and natural gas, have shaped the UAE's economy.</p> <p>Questions:</p> <ul style="list-style-type: none"> • How are fossil fuels currently used in the UAE to generate electricity? • What initiatives is the UAE implementing to reduce dependence on fossil fuels?
<p>ISLAMİYAT</p>	<p>ISLAMIC STUDIES</p>
<p><u>Topics:</u> <u>Surah Al Hujrat</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none"> • Interpret the meanings of the verses with a focus on how they prohibit mocking, defamation, suspicion, and backbiting. • Analyze how these teachings promote the safety of society by preventing conflicts and misunderstandings. <p><u>Resources needed:</u></p> <ul style="list-style-type: none"> • PowerPoint slides with key points and discussion questions (optional). • Whiteboard/Markers for brainstorming and summarizing key concepts. • Short Video Clips or audio recitations of Surah al-Hujuraat, with explanations. <p><u>Homework/Assignments:</u> How can the teachings of Surah al-Hujuraat (11-13) contribute to building a peaceful and respectful community? Provide examples from your life or community.</p>	<p><u>Topics:</u> <u>Surah Al Hujrat</u></p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none"> • Interpret the meanings of the verses with a focus on how they prohibit mocking, defamation, suspicion, and backbiting. • Analyze how these teachings promote the safety of society by preventing conflicts and misunderstandings. <p><u>Resources needed:</u></p> <ul style="list-style-type: none"> • PowerPoint slides with key points and discussion questions (optional). • Whiteboard/Markers for brainstorming and summarizing key concepts. • Short Video Clips or audio recitations of Surah al-Hujuraat, with explanations. <p><u>Homework/Assignments:</u></p>



	How can the teachings of Surah al-Hujuraat (11-13) contribute to building a peaceful and respectful community? Provide examples from your life or community.
URDU	PAKISTAN STUDIES
<p>Topics:</p> <p style="text-align: right;">تلخیص نگاری:</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• نادیدہ اقتباسات سے متن کے اہم خیالات کو سمجھنا• واضح، درست اور مناسب طریقے سے جواب دیں اور بات چیت کریں• عبوری اشارات کے ساتھ ۱۲۰ الفاظ سے زیادہ میں ایک پیراگراف خلاصہ لکھیں۔• Resources needed: کتاب ۱. ٹیپ ٹاپ مارکر۔ <p>Homework/Assignments: صفحہ: ۲۳۳-۲۳۱-۲۵۸ <u>کلاس ٹیسٹ</u></p> <p>Learning Objectives:</p> <p>Resources needed:</p> <p>Homework/Assignments:</p>	<p>Topics:</p> <p>Agricultural Development in Pakistan</p> <ul style="list-style-type: none">• Small scale Subsistence Farming• Cash-Crop Farming• Agricultural Products in Pakistan <p>Learning Objectives:</p> <p>Explore the characteristics and significance of small-scale subsistence farming and cash-crop farming in Pakistan, assessing their impact on the economy and food security. Analyze the diversity of agricultural products in Pakistan and discuss how these contribute to both local livelihoods and national exports.</p> <p>Resources needed:</p> <p>PPT Slides, Marker & White Board, Textbook, Maps and Videos</p> <p>Homework/Assignments:</p> <p><i>Analyze the challenges faced by farmers in Pakistan today. How do these challenges affect agricultural development and food security in the country?</i></p>



ICT	TRAVEL AND TOURISM
<p>Topics: Chapter 2- Output devices – Printer and Monitors Chapter 3- Storage devices</p> <p>Learning Objectives: LO: Distinguish between different types of printers and monitors LO2: Describe storage devices Categorize the storage devices according to the use.</p> <p>Resources needed: Textbook, Past paper questions</p> <p>Homework/Assignments: Collect the pictures of devices and label it.</p>	<p>Topics: Global tourism</p> <p>Learning Objectives: To explain the scale of travel and tourism To analyze Features of destinations and their appeal to different types of tourists To evaluate the role of organizations involved in development and management of destinations To analyze the use the factors affecting tourism development and management To assess Managing destinations sustainably</p> <p>Resources needed: Textbook, case studies</p> <p>Homework/Assignments: Topical case studies</p>
ACCOUNTING	BUSINESS STUDIES
<p>Topics: Three column and Petty Cash book</p> <p>Learning Objectives: Explain the dual function of the cash book as a book of prime entry and as a ledger account for bank and cash</p> <ul style="list-style-type: none"> • Explain the use of and record payments and receipts made by bank transfers and other electronic means • Explain and apply the imprest system of petty cash. <p>Resources needed: Text book, Task sheets , Formats</p> <p>Homework/Assignments: Topical questions</p>	<p>Topics: Size of Business organisation</p> <p>Learning Objectives: To:</p> <ul style="list-style-type: none"> • identify several ways of measuring the size of businesses • analyse the benefits small businesses can have on industry and a country’s economy • analyse the advantages and disadvantages of small businesses and family businesses • explain the difference between internal and external growth • analyse different forms of external growth: mergers/takeovers, joint ventures and strategic alliances • evaluate the impact of different forms of external growth on business stakeholders



	<p>Resources needed: Textbook, Topical case studies</p> <p>Homework/Assignments: Practice topical past papers- uploaded in teams</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics: Supply condition , Price determination</p> <p>Learning Objectives: To analyze the factors affecting supply To use the demand and supply schedules and curves to establish equilibrium prices and sales in a market To use demand and supply schedules and curves to identify disequilibrium prices and excess demand and supply in a market</p> <p>Resources needed: Text book Topical questions</p> <p>Homework/Assignments: Four- part questions –page no –72</p>	<p>Topics:</p> <p>Learning Objectives:</p> <p>Resources needed:</p> <p>Homework/Assignments:</p>
UAE ARABIC	ISLAMIC ARABIC
<p>Topics: الوحدة قضايا اقتصادية الدرس: التكتلات الاقتصادية</p> <p>Learning Objectives: يوضح دور التكتلات الاقتصادية في مواجهة المشكلات الاقتصادية العالمية</p> <p>Resources needed: عرض تقديمي أوراق عمل أنشطة صفية الكتاب المدرسي</p> <p>Homework/Assignments: بحث في اهم التكتلات الاقتصادية العالمية</p>	<p>Topics: الحلال بين</p> <p>Learning Objectives: أن يقرأ الطالب الحديث قراءة سليمة أن يتعرف الطالب على معاني المفردات الواردة في الحديث الشريف أن يستنتج الطالب المعنى الإجمالي للحديث</p> <p>Resources needed: الكتاب المدرسي السيبورة الذكية اليوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي</p>



حفظ الحديث الشريف
مراجعة البوربوينت للدرس

ART AND DESIGN

Topics: Body Silhouette -Kara Walker

Learning Objectives:

- Understand how silhouettes can represent movement and posture.
- - Learn to draw walking figures using silhouette techniques.
- - Explore composition and contrast to enhance the effect of motion in art.
- - Refine drawing and shading skills to bring depth and narrative into silhouette artwork.

Resources needed:

- - Drawing paper (white or light background)
- - Pencils and erasers
- - Black markers or charcoal
- - Rulers (optional for guidelines)
- - Reference images of walking figures (optional)