



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 1_WEEK 5 (23rd to 27th September 2024)

ENGLISH	MATHEMATICS
<p><u>Topics:</u> Reading comprehension Passive and active voice</p> <p><u>Learning Objectives:</u> Respond to comprehension questions Use both active and passive voice in speaking and writing</p> <p><u>Resources needed:</u> Ppt Worksheet</p> <p><u>Homework/Assignments:</u> Worksheet on reading comprehension</p>	<p><u>Topics:</u> Number</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Use the standard form $A \times 10^n$ where n is a positive or negative integer, and $1 \leq A < 10$.• Use directed numbers in practical situations• Understand the concept of surds and their representation.• Simplify surds and perform basic operations involving surds.• Rationalize surd denominators and simplify expressions.• Apply surds in solving equations and word problems.• Use surds in practical applications and real-life contexts. <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• Weekly Test (Every MONDAY)• Question of the day (Monday to Thursday 6:00pm to 11:59 pm)



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: الميزان الصرفي</p> <p>Learning Objectives: إن يتعرف المتعلم الميزان الصرفي ويستخدمه في وزن الكلمات الصحيحة والمعتلة</p> <p>Resources needed: الكتاب المدرسي - العرض التقديمي - السبورة الذكية - الدفتر المدرسي</p> <p>Homework/Assignments: كتابة الموضوع الثالث المخصص لمهارة الكتابة</p>	<p>Topics: تابع بلد الاحلام</p> <p>Learning Objectives: أن يذكر مميزات بلد الاحلام أن يستنتج العلاقة بين البلد التي يعيش فيها الانسان ومستواه الاجتماعي أن يوظف الكلمات الجديدة في جمل</p> <p>Resources needed: الكتاب والعرض التقديمي</p> <p>Homework/Assi اكتب فقرة عن البلد التي تعيش فيها</p>
PHYSICS	BIOLOGY
<p>Topics: Acceleration of freefall with air resistance, Mass and weight.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe the motion of objects falling in a uniform gravitational field with air resistance.Define gravitational field strength as force per unit mass; recall and use the equation $g = W/m$ and know that this is equivalent to the acceleration of free fallDescribe how to determine the density of a liquid of a regular shaped solid and of an irregularly shaped solid which sinks in a liquid. <p>Resources needed: Notebook, Textbook, PPT, Videos, Simulation, Digital board.</p> <p>Homework/Assignments:</p>	<p>Topics: Classification of organisms, cell structure and organization</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Construct and use dichotomous keys based on identifiable features.Describe and compare the structure of a plant cell with an animal cell.Describe the structure of a bacterial cell.State that specialized cells have specific functionsDescribe the meaning of the terms: cell, tissue, organ, organ system and organism as illustrated by examples given in the syllabus.State and use the formula: magnification = image size ÷ actual size <p>Resources needed:</p>



<p>Worksheet questions, Textbook questions, Past paper questions.</p>	<p>Text book, task sheets, videos, presentations, simulations, notebooks, diagrams.</p> <p>Homework/Assignments: Drawing, past papers and task sheets.</p>
<p>CHEMISTRY</p>	<p>ENVIRONMENTAL MANAGEMENT</p>
<p>Topics: Atoms, Elements and Compounds</p> <p>Learning Objectives: State that isotopes of the same element have the same chemical properties Calculate the relative atomic mass Describe the formation of positive ions Describe the giant lattice structure of ionic compounds Define ionic bond Describe the formation of ionic bonds, including the use of dot-and-cross diagrams Describe and explain the properties of ionic compounds</p> <p>Resources needed: The Periodic table, textbook, workbook, ppt</p> <p>Homework/Assignments: Daily Questions, Weekly Assignment and past paper Questions.</p>	<p>Topics: The cycle of water-related diseases and their impact on human activities and development.</p> <p>Learning Objectives: Discuss the difference between 'water-based', 'water-borne' and 'water-bred' diseases, using the examples named in the syllabus. Draw a circular flow diagram to show how disease reduces the ability of people to work contributing to the cycle of poverty and the poverty trap. Case study of one of these diseases, using headings such as causes, symptoms and consequences for people and their activities. Unless one of the named diseases is locally much more important, the obvious choice is malaria given its virulence and widespread distribution in developing countries.</p> <p>Resources needed: PPT Past Papers</p> <p>Homework/Assignments: 0680 past examination paper: Nov 2012 Paper 12 Q 1(b)</p>
<p>ISLAMİYAT</p>	<p>ISLAMIC STUDIES</p>
<p>Topics: The Seven Grave Sins (Al-Kaba'ir)</p> <p>Learning Objectives:</p>	<p>Topics: The Seven Grave Sins (Al-Kaba'ir)</p> <p>Learning Objectives:</p>



<p>Identify and understand the seven grave sins in Islam as mentioned in the Qur'an and Hadith. Reflect on the consequences of committing these sins and the importance of seeking repentance in Islam.</p> <p>Resources needed: Qur'an and Tafsir Hadith collections Whiteboard/Smartboard</p> <p>Homework/Assignments: Assignment: Write a short essay (200-300 words) discussing one of the seven grave sins, explaining its impact on an individual and society, and how repentance can help overcome it.</p>	<p>Identify and understand the seven grave sins in Islam as mentioned in the Qur'an and Hadith. Reflect on the consequences of committing these sins and the importance of seeking repentance in Islam.</p> <p>Resources needed: Qur'an and Tafsir Hadith collections Whiteboard/Smartboard</p> <p>Homework/Assignments: Assignment: Write a short essay (200-300 words) discussing one of the seven grave sins, explaining its impact on an individual and society, and how repentance can help overcome it.</p>
<p style="text-align: center;">URDU</p>	<p style="text-align: center;">PAKISTAN STUDIES</p>
<p>Topics: درست عبارت سے بے ترتیب الفاظ کے جملے پر ٹک۔ کا نشان لگائیں Multiple matching</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• نادیدہ اقتباسات سے متن کے اہم خیالات کو سمجھنا <p>طلباء ایک اقتباس کی بنیاد پر متعدد مماثل سوالات کے مؤثر طریقے سے جواب دینے کے لئے حکمت عملی سیکھیں گے اور مشق کریں گے</p> <ul style="list-style-type: none">• درست جواب پر ٹک کا نشان لگانا۔ <p>Resources needed: ڈیجیٹل بورڈ کتاب۔ ۱</p> <p>Homework/Assignments:</p>	<p>Topics: Power resources</p> <p>Learning Objectives: Explore alternative energy resources.</p> <p>Resources needed: PPT, Notebook, Book, Topicals, Notes.</p> <p>Homework/Assignments: Practice Questions</p>



جماعت میں دئے گئے موضوع پر ۵ سے ۱۰ مثالیں کاپی میں لکھیں	
ICT	TRAVEL AND TOURISM
<p>Topics: Types of computers Emerging technologies</p> <p>Learning Objectives: Able to categorize different type of computers according to use, size, etc Describe how emerging technologies are having impact on everyday life</p> <p>Resources needed: Textbook, Past Paper questions</p> <p>Homework/Assignments: Collect the input and output devices and describe about each in the notebook.</p>	<p>Topics: Role of different subsector of tourism in the growth of tourism industry</p> <p>Learning Objectives: To analyze various functions of subsectors of tourism industry.</p> <p>Resources needed: Textbook Case studies</p> <p>Homework/Assignments: Research on the growth and contribution of transportation of UAE in the areas of tourism</p>
ACCOUNTING	BUSINESS STUDIES
<p>Topics: Balancing of ledger accounts</p> <p>Learning Objectives: To calculate the closing balance of ledger accounts</p> <p>Resources needed: Text book Task sheets Video</p> <p>Homework/Assignments: Text book questions –1,2</p>	<p>Topics: Classification of Business</p> <p>Learning Objectives: To explain different methods of classification of various sectors of business activity</p> <p>Resources needed: Textbook Quiz let flashcards</p> <p>Homework/Assignments: Practicing Quizlet test- posted in teams.</p>



ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics: The Role of Markets in Allocating Resources</p> <p>Learning Objectives: Understand the features of the market system. Explain the benefits and drawbacks of a market system in resource allocation.</p> <p>Resources needed: Graphs, case studies, interactive whiteboard</p> <p>Homework/Assignments: Research examples of countries with a market economy and identify how they allocate resources.</p>	<p>Topics: The Bronze age civilization and Um an Nar</p> <p>Learning Objectives: To examine the Bronze Age civilization, focusing on the Um an-Nar culture's societal, trade, and architectural developments.</p> <p>Resources needed: PPTS Videos Textbook</p> <p>Homework/Assignments: Research the Um an-Nar civilization's contributions to Bronze Age trade, architecture, and society. Write a 300-word report, including diagrams or maps.</p>
UAE ARABIC	ISLAMIC ARABIC
<p>Topics:الوحدة : الامارات نبض العالم الدرس : دستور دولة الامارات العربية المتحدة</p> <p>Learning Objectives: يوضح بنود الدستور و مواده يبين أهمية الدستور و القانون للمجتمع في دولة الامارات العربية المتحدة</p> <p>Resources needed: الكتاب المدرسي السيبورة الذكية البوربوينت أنشطة صفية</p> <p>Homework/Assignments: بحث حول اولى الدساتير في العالم عامة و العالم العربي خاصة</p>	<p>Topics: تابع درس السبع المواقف</p> <p>Learning Objectives: أن يوضح الطالب مخاطر هذه الذنوب على الفرد والمجتمع أن يستنتج الطالب مايرشد اليه الحديث الشريف</p> <p>Resources needed: الكتاب المدرسي السيبورة الذكية البوربوينت أنشطة صفية</p> <p>Homework/Assignments: حل أنشطة الطالب بالكتاب المدرسي حفظ الحديث الشريف مراجعة البوربوينت للدرس</p>



ART AND DESIGN

Topics:

Pencil Drawing & Shading with a Focus on Gustav Klimt

Learning Objectives:

- Learn essential pencil drawing the patterns and shading techniques using colour pencils.
- Explore the work of Gustav Klimt, focusing on his detailed approach to art.
- Create a pencil drawing inspired by Gustav, using shading to add depth and realism.

Resources needed:

- Pencils (HB, 2B, 4B, 6B)
- Drawing paper
- Erasers (kneaded and regular)
- Rulers
- Examples of Gustav Klimt's drawings (prints or digital images)

Homework/Assignments: