



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2_WEEK 7 (17th February to 21st February 2025)

ENGLISH	MATHEMATICS
<p>Topics: Non-Defining Relative clauses</p> <p>Learning Objectives: Recognize the difference between defining and non-defining relative clauses.</p> <p>Resources needed: Smart board PPT Course book Workbook</p> <p>Homework/Assignments: Do the exercise in your workbook on pg. 173. On non- defining relative clauses</p>	<p>Topics: Geometry</p> <p>Learning Objectives: (Circle theorem) Apply circle theorems, such as the fact that tangents from an external point are equal in length.</p> <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 textbookWeekly Test (Every MONDAY)Question of the day (Monday to Thursday 6:00pm to 11:59 pm)
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: الأفعال التي تنصب مفعولين ليس أصلهما مبتدأ وخبر</p> <p>Learning Objectives: أن يتعرف المتعلم الأفعال التي تنصب مفعولين ليس أصلهما مبتدأ وخبر أن يعرب المتعلم الأفعال التي تنصب مفعولين ليس أصلهما مبتدأ وخبر أن يوظف المتعلم الأفعال التي تنصب مفعولين ليس أصلهما مبتدأ وخبر في جمل مفيدة</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي</p> <p>Homework/Assignments: حل تمارينات الدرس</p>	<p>Topics: (تابع) تاريخ السينما</p> <p>Learning Objectives: <u>أن يقرأ الفقرة جيداً</u> <u>أن يحلل الفقرة تحليل دقيق</u> <u>أن يقارن بين السينما الصامتة والكوميديا السوداء</u></p> <p>Resources needed: <u>الكتاب - العرض التقديمي - الانترنت</u></p> <p>Homework/Assignments: اكتب فقرة عن السينما الصامتة</p>



PHYSICS	BIOLOGY
<p>Topics: General properties of waves</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Describe the features of a wave in terms of wavefront, wavelength, frequency, crest (peak), trough, amplitude and wave speed• Describe what is meant by wave motion as illustrated by vibrations in ropes and springs and by experiments using water waves <p>Resources needed: Textbook, PPT, Video, Simulation, Workbook</p> <p>Homework/Assignments: Refer to past paper and workbook</p>	<p>Topics: Human nutrition</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Describe the structure of human teeth, limited to: enamel, dentine, pulp, nerves, blood vessels and cement, and understand that teeth are embedded in bone and the gums• Describe the functions of the types of human teeth in physical digestion of food• Describe chemical digestion as the break down of large insoluble molecules into small soluble molecules• State where, in the digestive system, amylase, protease and lipase are secreted and where they act• Explain that bile is an alkaline mixture that neutralises the acidic mixture of food and gastric juices entering the duodenum from the stomach, to provide a suitable pH for enzyme action• Explain the significance of villi and microvilli in increasing the internal surface area of the small intestine <p>Resources needed: PPT, Text Book, Task sheets</p> <p>Homework/Assignments: Past papers Work book, Work sheets</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Acids, Bases and Salts</p> <p>Learning Objectives: Describe the preparation, separation and purification of soluble salts by reaction of an acid with: (a) an alkali by titration (b) excess metal (c) excess insoluble base (d) excess insoluble carbonate. Describe the general solubility rules for salts. Describe the preparation of insoluble salts by precipitation. Define a hydrated substance. Define the term water of crystallisation.</p> <p>Resources needed: Workbook, textbook, ppt and lab apparatus</p> <p>Homework/Assignments: Daily Questions, Weekly Assignment, Past Paper Questions</p>	<p>Topics: Oceans and Fishries</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Identify and describe the key resources found in oceans (e.g., fisheries, oil and gas, minerals, and renewable energy) and explain their significance to human economies and industries.• Analyze the sustainable and unsustainable ways of utilizing ocean resources and discuss the environmental and economic impacts of resource exploitation. <p>Resources needed: PPT, Past papers</p> <p>Homework/Assignments: Research Topic: "The Economic and Environmental Impact of Ocean Resource Extraction: Balancing Sustainability and Development"</p>



ISLAMIYAT	ISLAMIC STUDIES
<p>Topics: Surah waqia</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">The student should recite the verses correctly.The student should interpret the meanings of the vocabulary in the verses.The student should deduce the fate of the people of the right and the people of the left. <p>Resources Needed:</p> <ul style="list-style-type: none">The Holy QuranTextbookPresentationInternetSmartboard <p>Homework/Assignments:</p> <ul style="list-style-type: none">Memorize the noble verses.Solve the textbook activities.	<p>Topics: Surah waqia</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">The student should recite the verses correctly.The student should interpret the meanings of the vocabulary in the verses.The student should deduce the fate of the people of the right and the people of the left. <p>Resources Needed:</p> <ul style="list-style-type: none">The Holy QuranTextbookPresentationInternetSmartboard <p>Homework/Assignments:</p> <ul style="list-style-type: none">Memorize the noble verses.Solve the textbook activities.
URDU	PAKISTAN STUDIES
<p>Topics: مضمون نگاری</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">دئے گئے موضوع پر اپنے خیالات کا اظہار کرنا.مخصوص عنوانات پر جامع مضمون لکھنا۔معیاری الفاظ کا استعمال کرتے ہوئے دئے گئے موضوع پر مضمون لکھنا۔ <p>Resources needed:</p>	<p>Topics:</p> <p>Comparison of Both Benazir Bhutto & Nawaz Sharif Governments in the 90s</p> <p>Learning Objectives:</p> <p>Understand the key policies and governance approaches of both Benazir Bhutto and Nawaz Sharif during their respective terms in the 1990s.</p> <p>Analyze the successes and challenges of both leaders in areas such as economic policies, governance, and foreign relations.</p>



<ul style="list-style-type: none">• کتاب ۲۔• پی پی ٹی• سابقہ پیپر• مارکر ڈیجیٹل بورڈ <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none">• <u>کلاس ٹیسٹ</u>• <u>صفحہ ۱۵۳-۱۵۴-۱۴۵-۱۲۵-۱۲۷-۱۲۳:</u>• <u>گوگل ٹرانسلیٹ</u>	<p>Compare the political climate, civil-military relations, and constitutional issues during both governments.</p> <p>Evaluate the impact of both leaders' tenures on Pakistan's socio-economic and political development</p> <p><u>Resources needed:</u></p> <ul style="list-style-type: none">• Textbook• Presentation• Internet• Smartboard• Documentaries <p><u>Homework/Assignments:</u></p> <p>Write an essay analyzing the similarities and differences between the governance of Benazir Bhutto and Nawaz Sharif in the 1990s and their impact on Pakistan's economy and political stability</p>
<p style="text-align: center;">ICT</p>	<p style="text-align: center;">TRAVEL AND TOURISM</p>
<p><u>Topics:</u> Chapter 5 – The effects of using IT – Health Problems Spreadsheets</p> <p><u>Learning Objectives:</u> Discuss and categorize the health risks of using IT equipment. Design a spreadsheet using vlookup, sumif, countif function</p> <p><u>Resources needed:</u> MS Excel PPTs Past Paper questions Videos</p> <p><u>Homework/Assignments:</u> Answer past paper questions</p>	<p><u>Topics:</u> Marketing Mix- Promotion of tourism industries</p> <p><u>Learning Objectives:</u> To analyse the importance of promotion in tourism industries</p> <p><u>Resources needed:</u> Topical case studies</p> <p><u>Homework/Assignments:</u> Practice past papers</p>



ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Income Statement</p> <p><u>Learning Objectives:</u> To formulate Income Statement with adjustments of prepaid and accruals , provision for doubtful debts</p> <p><u>Resources needed:</u> Text book PPT Formats</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Organisaiton and management</p> <p><u>Learning Objectives:</u> analyse the main functions of managers</p> <ul style="list-style-type: none"> • assess the importance of good management to the success of a business • evaluate the differences between the views of Fayol and Mintzberg on the role of management • analyse the key differences in management styles • evaluate the appropriateness of these styles to different business situations • analyse the differences between McGregor’s Theory_X and Theory Y. <p><u>Resources needed:</u> E book, Topical case studies</p> <p><u>Homework/Assignments:</u> Practice past papers</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p><u>Topics:</u> Market failure , Mixed economic system</p> <p><u>Learning Objectives:</u> To explain the private and public goods To discuss why monopoly causes market failure To discuss why immobility causes market failure To discuss the features of mixed economy</p> <p><u>Resources needed:</u> PPTs Textbook e-book Past paper</p> <p><u>Homework/Assignments:</u> Four part questions from text book</p>	<p><u>Topics:</u> Sheikh Zayed and UAE</p> <p><u>Learning Objectives:</u> To explore Sheikh Zayed’s leadership, his role in founding the UAE, and his contributions to its development and unity.</p> <p><u>Resources needed:</u> PPTS Videos Worksheets</p> <p><u>Homework/Assignments:</u> Write a short essay on Sheikh Zayed’s vision and contributions to the UAE’s development, highlighting key achievements and leadership qualities.</p>



UAE ARABIC	ISLAMIC ARABIC
<p>Topics: رؤيتي التحديات في سباق التميز</p> <p>Learning Objectives: قراءة نص و تحليله</p> <p>Resources needed:</p> <ul style="list-style-type: none">• الكتاب المدرسي• العرض التقديمي• الشبكة العنكبوتية• السبورة الذكية• المكتبة <p>Homework/Assignments:</p> <ul style="list-style-type: none">• مراجعة العرض التقديمي للدرس• حل أنشطة الكتاب المدرسي	<p>Topics: <u>(لا...لانتحار) حديث شريف</u></p> <p>Learning Objectives: <u>أن يقرأ الطالب الحديث قراءة سليمة</u> <u>أن يتعرف الطالب على معاني المفردات الواردة في الحديث</u> <u>أن يستنتج الطالب الهدايات الواردة في الحديث</u></p> <p>Resources needed:</p> <ul style="list-style-type: none">• الكتاب المدرسي• العرض التقديمي• الشبكة العنكبوتية• السبورة الذكية• المكتبة <p>Homework/Assignments:</p> <ul style="list-style-type: none">• حفظ الحديث الشريف• مراجعة العرض التقديمي للدرس• حل أنشطة الكتاب المدرسي
ART AND DESIGN	
<p>Topics: Realistic Bird Drawing</p> <p>Learning Objectives: Observe and sketch the anatomy and proportions of birds accurately. Apply shading techniques to create depth and texture in feathers. Develop attention to detail through close observation of reference images.</p> <p>Resources needed: Graphite pencils (HB, 2B, 4B, 6B) Erasers (kneaded and regular) A3 drawing sheets Bird reference images Blending tools (tissues, stumps)</p>	