



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2_WEEK 4 (27th January to 31st January 2025)

ENGLISH	MATHEMATICS
<p><u>Topics:</u> Prefixes and suffixes</p> <p><u>Learning Objectives:</u> Use prefixes and suffixes to modify verbs in the correct format. Use prefixes and suffixes correctly in sentences.</p> <p><u>Resources needed:</u> Student book Online resources (https://learnenglishteens.britishcouncil.org/)</p> <p><u>Homework/Assignments:</u> Write at least one paragraph of descriptive writing exercise on prefixes and suffixes</p>	<p><u>Topics:</u> Straight line graph.</p> <p><u>Learning Objectives:</u> Understand the equation of a straight line ($y = mx + c$).</p> <ul style="list-style-type: none">• Find the equation of a line using the gradient.• Determine the equation of a straight line parallel, perpendicular to a given line.• Determine the equation of a perpendicular bisector.• Calculate the gradients of parallel and perpendicular lines. <p>Understand how to solve linear inequalities.</p> <ul style="list-style-type: none">• Solve linear inequalities graphically.• Find the region satisfying two or more inequalities. <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: الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر</p> <p>Learning Objectives: أن يتعرف المتعلم الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر، ويعرب جملها، ويوظفها في مواقف حياتية</p> <p>Resources needed: الكتاب المدرسي - الدفتر المدرسي - السبورة الذكية</p> <p>Homework/Assignments: حل تمارين الدرس</p>	<p>Topics: تابع السيدة المعجزة</p> <p>Learning Objectives: <u>التعرف على بعض طرق التواصل مع أصحاب الإعاقات</u> <u>أن يذكر أمثلة على بعض الشخصيات التي تحدث الإعاقة</u></p> <p>Resources needed: <u>الكتاب - العرض التقديمي</u></p> <p>Homework/Assignments: اكتب بطاقة تعريفية لهيلين كليز</p>
PHYSICS	BIOLOGY
<p>Topics: Thermal expansion of solids, liquids and gases</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Describe, qualitatively, the thermal expansion of solids, liquids and gases at constant pressureExplain, in terms of the motion and arrangement of particles, the relative order of magnitudes of the expansion of solids, liquids and gases as their temperatures rise <p>Resources needed: PPT, textbook, worksheet, video, simulation</p> <p>Homework/Assignments: Refer to past paper questions</p>	<p>Topics: Plant nutrition</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">Investigate the need for chlorophyll, light and carbon dioxide for photosynthesis, using appropriate controlsInvestigate and describe the effects of varying light intensity, carbon dioxide concentration and temperature on the rate of photosynthesisInvestigate and describe the effect of light and dark conditions on gas exchange in an aquatic plant using hydrogen carbonate indicator solutionState that most leaves have a large surface area and are thin, and explain how these features are adaptations for photosynthesisIdentify in diagrams and images the following structures in the leaf of a dicotyledonous plant <p>Resources needed: PPT, Text book, work book, and Task sheets.</p> <p>Homework/Assignments: Past papers and diagrams</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Acids, Bases and Salts</p> <p>Learning Objectives: Describe acids and bases in terms of their effect on: (a) litmus (b) thymolphthalein (c) methyl orange Describe the characteristic properties of bases in terms of their reactions Differentiate between strong acids and weak acids Describe how to compare hydrogen ion concentration, neutrality, relative acidity and relative alkalinity in terms of colour and pH using universal indicator paper Describe the neutralisation reaction between an acid and an alkali to produce water</p> <p>Resources needed: PPT, Videos, Lab apparatus and chemicals</p> <p>Homework/Assignments: Daily Questions and Weekly Assignment</p>	<p>Topics: Population growth and resources</p> <p>Learning Objectives: Students should acquire the concept of over and under-population Students should understand exactly what 'lack of resources' means Students should be able to apply this knowledge and possibly other case studies when answering questions..</p> <p>Resources needed: Past Papers, Assignments</p> <p>Homework/Assignments: Students can review the situation in Liberia and in their own country. Which is in a more favourable population/resource balance situation, and why?</p>
ISLAMIYAT	ISLAMIC STUDIES
<p>Topics: Permissible and Prohibited Foods and Drinks</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> The student will list some types of foods that Allah has made permissible. The student will explain the conditions for hunting. The student will deduce the rules for the permissibility and prohibition of foods. <p>Resources needed:</p> <ul style="list-style-type: none"> Textbook Presentation slides Smartboard 	<p>Topics: Permissible and Prohibited Foods and Drinks</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> The student will list some types of foods that Allah has made permissible. The student will explain the conditions for hunting. The student will deduce the rules for the permissibility and prohibition of foods. <p>Resources needed:</p> <ul style="list-style-type: none"> Textbook Presentation slides Smartboard



<ul style="list-style-type: none">• Internet access• Tablet device• Homework/Assignments:• Review the presentation slides of the lesson.• Create a mind map about the conditions for hunting.• Complete the student activities in the textbook.	<ul style="list-style-type: none">• Internet access• Tablet device• Homework/Assignments:• Review the presentation slides of the lesson.• Create a mind map about the conditions for hunting.• Complete the student activities in the textbook.
URDU	PAKISTAN STUDIES
<p>Topics:</p> <p style="text-align: right;"><u>مضمون نگاری</u></p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• صحیح متن کی ساخت، لکھنے کی مہارت جیسے ہجے، رموز اوقاف استعمال کرنے کے قابل ہونا چاہئے• تحریری مہارت کا استعمال کر کے جامع مضمون لکھنے کے قابل ہونا چاہئے <p>Resources needed:</p> <p>کتاب ۲، لپی ٹاپ، ڈیجیٹل بورڈ - پی پی ٹی</p> <p>Homework/Assignments:</p> <p>کلاس ٹیسٹ، جماعت میں دنے گئے صفحات مکمل کرنا.</p>	<p>Topics:</p> <p>Chap 15 Benazir Policies and Nawaz Sharif's policies</p> <p>Learning Objectives:</p> <p>Understand the eras of Benazir Bhutto i.e. 1988-90. 1993-96 Analyzing if the policies of Nawaz Sharif were upto the mark 1990-1993, 1997-99</p> <p>Resources needed:</p> <p>Textbook, Projector, PPTs, Board & Markers</p> <p>Homework/Assignments:</p> <p>Watch documentary on the musical chair of 90s i.e. tug of war between Ms. Bhutto and Mr. Sharif</p>
ICT	TRAVEL AND TOURISM
<p>Topics:</p> <p>Chapter 4 - Cloud computing and Authentication methods Practical - Spreadsheets</p> <p>Learning Objectives:</p> <p>Describe cloud computing Differentiate between different authentication methods</p> <p>Resources needed:</p> <p>PPTs</p>	<p>Topics:</p> <p>Market segmenations</p> <p>Learning Objectives:</p> <p>To analyse the ways to segment market</p> <p>Resources needed:</p> <p>E book, Topical case studies</p> <p>Homework/Assignments:</p> <p>Practice past papers</p>



<p>Videos, Past Paper questions Text book <u>Homework/Assignments:</u> Past paper questions.</p>	
ACCOUNTING	BUSINESS STUDIES
<p><u>Topics:</u> Control account <u>Learning Objectives:</u> To formulate purchase ledger control account <u>Resources needed:</u> Text book Task sheets Topical questions <u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Motivation <u>Learning Objectives:</u> To evaluate the appropriateness of different payment systems and evaluate their impact on motivation To analyse the role of non-financial methods of motivation and evaluate their impact <u>Resources needed:</u> E book, topical case studies <u>Homework/Assignments:</u> Practice past papers</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p><u>Topics:</u> PES , market economic system <u>Learning Objectives:</u> To discuss the implications of pes on decision making To define a market economic system To understand the importance of competition and incentives To distinguish between private and public sectors <u>Resources needed:</u> Textbook</p>	<p><u>Topics:</u> The Arrival of Europeans in the region of United Arab Emirates and its Impacts <u>Learning Objectives:</u> To Understand the arrival of Europeans in the UAE, their motivations, interactions with locals, and the cultural, economic, and political impacts. <u>Resources needed:</u> Textbook Activities PPTS videos</p>



Calculators Topical questions PPTs Homework/Assignments: Topical questions Four-part questions	Homework/Assignments: Analyze how European arrival influenced UAE's trade, culture, and politics, providing examples of key events and lasting impacts.
UAE ARABIC	ISLAMIC ARABIC
Topics: الوحدة : الملامح البشرية للوطن العربي الدرس : قضايا سكانية معاصرة Learning Objectives: يناقش القضايا السكانية المعاصرة يستنتج اسباب المشكلات السكانية في الوطن العربي Resources needed: <ul style="list-style-type: none">• الكتاب المدرسي• العرض التقديمي• السبورة الذكية• أنشطة صفية Homework/Assignments: <u>بحث حول قضايا السكان المعاصرة</u>	Topics: <u>ما يحل وما يحرم من الطعام والشراب</u> Learning Objectives: <ul style="list-style-type: none">• أن يُعدد الطالب بعض أنواع الأطعمة التي أحلها الله تعالى• أن يبين الطالب شروط الصيد• أن يستنتج الطالب قواعد اباحة وتحريم الأطعمة Resources needed: <ul style="list-style-type: none">• الكتاب المدرسي• العرض التقديمي• السبورة الذكية• الانترنت• الجهاز اللوحي Homework/Assignments: <ul style="list-style-type: none">• مراجعة العرض التقديمي للدرس• عمل مخطط ذهني عن شروط الصيد• حل أنشطة الطالب بالكتاب المدرسي
ART AND DESIGN	
Topics: marine life -Jenny Berry Learning Objectives: Realistic or stylized marine life drawings will highlight texture, motion, and color blending to depict underwater scenes. Resources needed: Drawing Book Pencil & Eraser colours	