



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2_WEEK 6 (10th February to 14th February 2025)

ENGLISH	MATHEMATICS
<p>Topics: Past perfect simple and past perfect continuous.</p> <p>Learning Objectives: Identify the structure of the Past Perfect simple (had + past participle) and Past Perfect Continuous (had been + verb-ing)</p> <p>Resources needed: Smart Board Course Book Workbook</p> <p>Homework/Assignments: Do the exercise on your workbook page 157</p>	<p>Topics: Geometry</p> <p>Learning Objectives: Understand the fundamental results of angles, including vertically opposite angles, angles on a straight line, and angles around a point.</p> <ul style="list-style-type: none">Identify the exterior and interior angles of polygons.Determine the number of sides of a polygon <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 رحلة ابن بطوطة إلى الصين / أدب الرحلات</p> <p>Learning Objectives: أن يحدد المتعلم الفكر الرئيسية للنص من خلال تحليل المعلومات الصريحة والضمنية مستشهدا بمصادر متعددة من الأدلة التي تدعم تحليله</p> <p>Resources needed: الكتاب المدرسي - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: حل تمرينات الدرس</p>	<p>Topics: تاريخ السينما</p> <p>Learning Objectives: <u>أن يستمع للنص جيدا</u> <u>أن يذكر أسماء لأفلام قديمة يعرفها</u> <u>أن يتناقش حول معاني المصطلحات الجديدة</u></p> <p>Resources needed: الكتاب - الانترنت - العرض التقديمي</p> <p>Homework/Assignments: كتابة الموضوع الخامس من موضوعات الكتابة</p>



PHYSICS	BIOLOGY
<p>Topics: Transfer of thermal energy, Conduction, Convection and Radiation.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Describe experiments to demonstrate the properties of good thermal conductors and bad thermal conductors (thermal insulators) Describe thermal conduction in all solids in terms of atomic or molecular lattice vibrations and in terms of the movement of free (delocalised) electrons in metallic conductors Explain convection in liquids and gases in terms of density changes and describe experiments to illustrate convection. Describe the effect of surface colour (black or white) and texture (dull or shiny) on the emission, absorption and reflection of infrared radiation. Describe experiments to distinguish between good and bad absorbers of infrared radiation <p>Resources needed: PPT, textbook, workbook</p> <p>Homework/Assignments: Refer to past paper questions</p>	<p>Topics: Revision on FA-2 topics, and Animal nutrition</p> <p>Learning Objectives:</p> <p>Describe what is meant by a balanced diet. State the principal dietary sources and describe the importance. Identify in diagrams and images the main organs of the digestive system Describe the functions of the organs of the digestive system Describe physical digestion Describe the structure of human teeth Describe the functions of the types of human teeth</p> <p>Resources needed: Text book, Videos, simulations, picture prompts</p> <p>Homework/Assignments: Work book, task sheet, Past paper.</p>
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Acids, Bases and Salts</p> <p>Learning Objectives: Classify oxides as acidic, including SO₂ and CO₂, or basic, including CuO and CaO, related to metallic and non-metallic character. Describe amphoteric oxides. Classify Al₂O₃ and ZnO as amphoteric oxides. Describe the preparation, separation and purification of soluble salts by reaction of an acid</p>	<p>Topics: Demographic Transition Model</p> <p>Learning Objectives: Students will describe the characteristics of each stage of the DTM, including birth rates, death rates, and population growth trends. Students will assess how population growth or decline affects resources, urbanization, employment, and government policies.</p> <p>Resources needed:</p>



<p>with: (a) an alkali by titration (b) excess metal (c) excess insoluble base (d) excess insoluble carbonate</p> <p><u>Resources needed:</u> Textbook, workbook, Lab apparatus, ppt, videos</p> <p><u>Homework/Assignments:</u> Daily questions, Weekly Assignment and past paper questions.</p>	<p><u>PPT, Past paper questions</u></p> <p><u>Homework/Assignments:</u> Choose two countries at different stages of the Demographic Transition Model (DTM) (e.g., Nigeria and Japan). Research and compare their population trends, birth rates, and death rates.</p>
ISLAMIYAT	ISLAMIC STUDIES
<p><u>Topics:</u> 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 Quran • Textbook • Presentation • Smartboard <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • Memorize the noble verses. • Solve the textbook activities. • Review the lesson presentation. 	<p><u>Topics:</u> 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 Quran • Textbook • Presentation • Internet • Smartboard <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • Memorize the noble verses. • Solve the textbook activities.
URDU	PAKISTAN STUDIES
<p><u>Topics:</u> مضمون نگاری</p> <p><u>Learning Objectives:</u></p>	<p><u>Topics:</u> Instable governments of 1990s</p>



<p>عنوان کے مطابق تحریری مہارت جیسے رموز اوقاف، بچہ اور معیاری الفاظ استعمال کرنے کے قابل ہونا چاہئے۔</p> <p>Resources needed: کتاب ۲، ڈیجیٹل بورڈ پی پی ٹی ۲</p> <p>Homework/Assignments: دئے گئے عنوانات پر ۱۰ سے ۱۵ مضمین قلمبند کریں گے</p>	<p>Learning Objectives:</p> <ol style="list-style-type: none">1. Reasons behind failure of both Benazir & Nawaz Sharif Tenures2. The impacts of this instability on democracy and economy <p>Resources needed: Projector, Textbook, Online Sources, PPTs</p> <p>Homework/Assignments: Watch a documentary on the instability of both governments and write suggestions to avoid such occurrence in the past</p>
<p style="text-align: center;">ICT</p>	<p style="text-align: center;">TRAVEL AND TOURISM</p>
<p>Topics: Chapter 5- Autonomous Devices at home Spreadsheet</p> <p>Learning Objectives: Compare and contrast between the devices used with microprocessors and without microprocessors Desin a spreadsheet using VLOOKUP function</p> <p>Resources needed: PPTs, Video, Microsoft Excel</p> <p>Homework/Assignments: Practice past paper questions.</p>	<p>Topics: Product differentiation</p> <p>Learning Objectives: To analyse the advantages and disadvantages of product differentiation.</p> <p>Resources needed: E book, topical case studies</p> <p>Homework/Assignments: Practicing past papers</p>
<p style="text-align: center;">ACCOUNTING</p>	<p style="text-align: center;">BUSINESS STUDIES</p>
<p>Topics: Financial Statements</p> <p>Learning Objectives: To formulate Income Statement of sole trader in the prescribed format .</p> <p>Resources needed: Text book Formats Task Sheet</p>	<p>Topics: Motivation</p> <p>Learning Objectives: To analyse the elements of two factor theory of motivation</p> <p>Resources needed: Topical case studies, E book</p> <p>Homework/Assignments: Practice past papers.</p>



Homework/Assignments: Topical questions	
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics: Market failure</p> <p>Learning Objectives: To define market failure To distinguish between private costs, social costs and external costs To explain why information failure may cause market failure</p> <p>Resources needed: Textbook PPTs Past paper questions e-book</p> <p>Homework/Assignments: Topical questions Four-part questions - textbook</p>	<p>Topics: Trucial States leading to Nationalisation</p> <p>Learning Objectives: To Understand transition from Trucial States to nationalization, focusing on political, economic, and social changes leading to UAE's formation.</p> <p>Resources needed: News Articles PPTS Textbook Activities</p> <p>Homework/Assignments: Create a timeline highlighting key events from the Trucial States era to UAE nationalization, explaining their significance in nation-building.</p>
UAE ARABIC	ISLAMIC ARABIC
<p>Topics: الوحدة : زايد هوية و مواقف مشهودة: زايد و المرأة الاماراتية: زايد و المرأة الاماراتية:</p> <p>Learning Objectives: يُميز بين الادوار التي قامت بها المرأة الاماراتية في مسيرة التنمية و البناء يستخلص المناصب القيادية للمرأة في حكومة دولة الامارات</p> <p>Resources needed: بوربوينت الانشطة الصفية الكتاب المدرسي</p> <p>Homework/Assignments: بحث في ادوار المرأة الاماراتية قديما و حديثا</p>	<p>Topics: <u>سورة الواقعة 27-56</u></p> <p>Learning Objectives: أن يتلو الطالب الآيات تلاوة سليمة أن يفسر الطالب معاني المفردات الواردة في الآيات أن يستنتج الطالب مصير أصحاب اليمين و مصير أصحاب الشمال</p> <p>Resources needed: القرآن الكريم الكتاب المدرسي العرض التقديمي الشبكة العنكبوتية السيبورة الذكية</p> <p>Homework/Assignments: حفظ الآيات الكريمة حل أنشطة الكتاب المدرسي مراجعة العرض التقديمي للدرس</p>



ART AND DESIGN

Topics: "Peas and Pods: Drawing Nature's Green Delights"

Learning Objectives:

Draw peas with accurate proportions. Demonstrate shading techniques to create depth and dimension. Practice coloring and blending to achieve realistic textures.

Resources needed:

Pencils Erasers Colored pencils or markers (green, yellow, brown) Paper