



LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2_WEEK 1 (6th January to 10th January 2025)

ENGLISH	MATHEMATICS
<p>Topics: Reading comprehension-Visiting Stokeley Qarry Nature Reserve - review writing- review of a restaurant of your choice- speaking -debate - notetaking -keeping a diary</p> <p>Learning Objectives: Recall the rubrics of reading comprehension / write an exercise on reading comprehension. Construction multiword adjectives. Use multiword adjectives. Recall the rubrics of article writing.</p> <p>Resources needed: Online courses Student book</p> <p>Homework/Assignments:</p>	<p>Topics: Algebra-2</p> <p>Learning Objectives: Rearrange formulas to make a specific variable the subject of the formula. Solve simultaneous equations, involving one linear and one quadratic.</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 textbook• Weekly Test (Every MONDAY)• Question of the day (Monday to Thursday 6:00pm to 11:59 pm)
ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصيدة الناس والزمان</p> <p>Learning Objectives: أن يحلل المتعلم النص الشعري تحليلاً فكرياً موضحاً دور الخيال والمحسنات في إيجاد التأثير في المتلقي</p> <p>Resources needed: الكتاب المدرسي - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: كتابة نبذة عن حياة الشاعر أبي الطيب المتنبي</p>	<p>Topics: حكيم العرب</p> <p>Learning Objectives: أن يقرأ الطالب درس قراءة جيدة أن يحدد الفكرة الفرعية والرئيسية للدرس أن يتحدث عن مميزات مسجد الشيخ زايد</p> <p>Resources needed: الكتاب - العرض التقديمي</p> <p>Homework/Assignments: اكتب فقرة عن مميزات مسجد الشيخ زايد</p>



PHYSICS	BIOLOGY
<p>Topics: Kinetic Particle model of matter, States of matter, Particle model.</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Know the distinguishing properties of solids, liquids and gases.• Describe the particle structure of solids, liquids and gases using simple particle diagrams. <p>Resources needed: PPT, Videos, Worksheets, Simulations</p> <p>Homework/Assignments: Refer to past paper questions</p>	<p>Topics: Enzymes</p> <p>Learning Objectives:</p> <p>Describe a catalyst as a substance that increases the rate of a chemical reaction and is not changed by the reaction.</p> <p>Describe enzymes as proteins that are involved in all metabolic reactions, where they function as biological catalysts.</p> <p>Describe why enzymes are important in all living organisms in terms of a reaction rate necessary to sustain life</p> <p>Describe enzyme action with reference to the shape of the active site of an enzyme being complementary to its substrate and the formation of products</p> <p>Investigate and describe the effect of changes in temperature and pH on enzyme activity with reference to optimum temperature and denaturation</p> <p>Explain enzyme action with reference to: active site, enzyme-substrate complex, substrate and product</p> <p>Explain the specificity of enzymes in terms of the complementary shape and fit of the active site with the substrate</p> <p>Explain the effect of changes in temperature on enzyme activity in terms of kinetic energy, shape and fit, frequency of effective collisions and denaturation</p> <p>Explain the effect of changes in pH on enzyme activity in terms of shape and fit and denaturation</p> <p>Resources needed: Presentations, Textbook, Videos, simulations of enzyme activity, Task sheets.</p> <p>Homework/Assignments: Drawing, Complete the task sheet, and worksheet.</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p>Topics: Chemistry of the Environment</p> <p>Learning Objectives: Describe the treatment of the domestic water supply. State that ammonium salts and nitrates are used as fertilisers. Describe the use of NPK fertilisers to provide the elements nitrogen, phosphorus and potassium for improved plant growth.</p> <p>Resources needed: Workbook, textbook, Periodic Table, ppt, video</p> <p>Homework/Assignments: Daily Questions, Weekly assignment, Past paper questions</p>	<p>Topics: Human Population</p> <p>Learning Objectives: To understand human population patterns, including population density, distribution, and factors influencing human settlements</p> <p>Resources needed: PPTS Videos Worksheets</p> <p>Homework/Assignments: Research on the topic -The Population composition of United Arab Emirates</p>
ISLAMIYAT	ISLAMIC STUDIES
<p>Topics: Hadith and history of hadith and its importance</p> <p>Learning Objectives: Understand the Origins of Hadith Students will identify how hadith were collected, preserved, and verified over time. Appreciate the Importance of Hadith Students will explain the role of hadith in shaping Islamic teachings and daily life.</p> <p>Resources needed: Provide a concise handout or textbook excerpt detailing the major collectors of hadith (e.g., Imams Bukhari, Muslim, etc.) and the criteria they used for authenticity.</p> <p>Homework/Assignments: Write a short paragraph explaining the hadith's main message and why you think it is important for Muslims to learn and practice today.</p>	<p>Topics: Surah al Hujuraat (14-18) Faith is a Grace from Allah SWT</p> <p>Learning Objectives: Understand the Concept of Faith (Iman): Students will explore how Iman is not merely a label but a blessing from Allah SWT, as highlighted in Surah al-Hujuraat (14-18). Differentiate Between Islam and Iman: Students will learn that Islam (submission) is the outward practice, while Iman (faith) is the internal conviction bestowed by Allah SWT.</p> <p>Resources needed: Basic Tafsir resources (e.g., Ibn Kathir, Tafsir al-Jalalayn, or a simplified commentary) to deepen understanding of key terms and context.</p> <p>Homework/Assignments: Write a short paragraph explaining how these verses from Surah al-Hujuraat shape your understanding of faith. Include</p>



	personal reflections on practical steps one can take to express gratitude for this blessing and to nurture genuine faith in daily life.
URDU	PAKISTAN STUDIES
<p>Topics: جملے سے جملہ بنانا</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• دی گئی مثال کی طرح جملہ بنانا• درست لفظ کا استعمال کرتے ہوئے جملہ بنانا۔ <p>Resources needed: کتاب ۲ ڈیجیٹل بورڈ کاپی مارکر</p> <p>Homework/Assignments: دئے گئے صفحات مکمل کرنا</p>	<p>Topics: Chap 14 How successful was Pakistan in the 20 years following the 'Decade of Progress.'</p> <p><i>Rule of Zia Ul Haq</i></p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Introduction• The Islamization Program• Position of Women <p>Resources needed: Textbook, PPT Slides, Board and Projector</p> <p>Homework/Assignments: Read the related pages of Chap 14</p>



ICT	TRAVEL AND TOURISM
<p>Topics: Chapter 4- Networks Practical - Spreadsheets</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> Identify the use of common network devices, including: NIC,MAC,IP address, Data Packet Describe how networks and individual computers connect to the internet Differentiate the MAC address and IP address Describe functions of excel <p>Resources needed: Text books, PPTs, Videos, Past paper questions</p> <p>Homework/Assignments: Practice past paper questions</p>	<p>Topics: 5.2 Market segmentation and targeting</p> <p>Learning Objectives:</p> <p>a)Identify the different market segments targeted by travel and tourism providers:</p> <ul style="list-style-type: none"> geographic demographic lifestyle/psychographic <p>B)Explain how specific travel and tourism products are developed to cater for the needs and expectations of different market segments</p> <p>Resources needed: Text Book, PPT, Case studies</p> <p>Homework/Assignments: Practice past papers.</p>
ACCOUNTING	BUSINESS STUDIES
<p>Topics: Sales and sales returns journal</p> <p>Learning Objectives: To formulate sales and returns journal in the prescribed format To record transactions affecting trade receivables in sales ledger</p> <p>Resources needed: Text Book, Topical questions</p> <p>Homework/Assignments: Topical questions www.igcseaccounts.com</p>	<p>Topics: Business objectives and stakeholders objectives</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> explain the importance to the business of setting objectives analyse the objectives for businesses – private sector, public sector and social enterprises analyse the importance of business objectives being SMART analyse why objectives might change over time <p>Resources needed: Textbook, case studies, Past papers,</p> <p>Homework/Assignments: Practice topical past papers- uploaded in teams</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p>Topics: Price elasticity of demand</p> <p>Learning Objectives:</p>	<p>Topics: The Rise of Islamic Civilization in the Land of UAE</p> <p>Learning Objectives:</p>



<p>To define price elasticity of demand To calculate PED To differentiate between elastic and inelastic demand To Understand the factors (determinants) that influence the price elasticity of demand (PED).</p> <p>Resources needed: Textbook, reference book, PPTs, past paper questions</p> <p>Homework/Assignments: Reference book – Four-part questions</p>	<p>To Understand the rise of Islamic civilization in the UAE, focusing on the cultural, social, and historical developments shaping the region</p> <p>Resources needed: PPTS Videos Textbook Activities</p> <p>Homework/Assignments: Research and create a timeline highlighting key events in the rise of Islamic civilization in the UAE.</p>
<p style="text-align: center;">UAE ARABIC</p>	<p style="text-align: center;">ISLAMIC ARABIC</p>
<p>Topics: الوحدة : الملامح البشرية للوطن العربي الدرس : سكان الوطن العربي نمو السكان في الوطن العربي</p> <p>Learning Objectives: يتعرف المصطلحات و المفاهيم يميز بين الخصائص الطبيعية و البشرية في الوطن العربي</p> <p>Resources needed: العرض التقديمي - الكتاب المدرسي - أنشطة تعليمية</p> <p>Homework/Assignments: بحث حول سكان الوطن العربي</p>	<p>Topics: <u>الإيمان فضل من الله تعالى</u> <u>سورة الحجرات (14-18)</u></p> <p>Learning Objectives: <u>أن يتلو الطالب الآيات تلاوة سليمة</u> <u>أن يتعرف الطالب على معاني المفردات الواردة في الآيات</u> <u>أن يطبق الطالب أحكام التجويد أثناء التلاوة</u></p> <p>Resources needed: الكتاب المدرسي القرآن الكريم السيبورة الذكية العرض أنشطة صيفية</p> <p>Homework/Assignments: التدرب على تلاوة الآيات حفظ الآيات الكريمة الواردة في الدرس</p>
<p>ART AND DESIGN</p>	
<p>Topics: Fruits -Still Life with Apples by Paul Cézanne</p> <p>Learning Objectives:</p>	



Students will create a still life composition of apples, learning to capture form, light, and shadow in the style of Paul Cézanne.

Resources needed:

- Sketching paper
- Pencils (HB, 2B, 4B)
- Erasers
- Colored pencils, oil pastels, or paints
- Real apples or reference images
- Examples of Cézanne's still life paintings