



## LEARNING TRAILS AY 2024-25

GRADE: 9

TERM 2\_WEEK 3 (20<sup>th</sup> January to 24<sup>th</sup> January 2025)

ENGLISH	MATHEMATICS
<p><b><u>Topics:</u></b> Question Tags.</p> <p><b><u>Learning Objectives:</u></b> most will be able to use question tags during role play some will be able to answer questions on question tags</p> <p><b><u>Resources needed:</u></b> Student book SS Online resources (<a href="https://learnenglishteens.britishcouncil.org/">https://learnenglishteens.britishcouncil.org/</a>)</p> <p><b><u>Homework/Assignments:</u></b> Answer the questions in the PPT. Write a paragraph using Question tags.</p>	<p><b><u>Topics:</u></b> Variation/straight line graph</p> <p><b><u>Learning Objectives:</u></b> <b>Understand the concept of proportionality and the proportionality constant.</b></p> <ul style="list-style-type: none"> <li>• <b>Determine the proportionality constant in direct and inverse proportion.</b></li> <li>• <b>Solve problems involving direct proportion to find unknown quantities.</b></li> <li>• <b>Solve problems involving inverse proportion to find unknown quantities.</b></li> </ul> <p><b>Understand how to draw a straight-line graph.</b></p> <ul style="list-style-type: none"> <li>• <b>Find the gradient of a straight line.</b></li> <li>• <b>Determine the length or distance of a straight line.</b></li> <li>• <b>Find the coordinates of the midpoint of a line.</b></li> </ul> <p><b><u>Resources needed:</u></b> <b>Textbooks or educational websites with relevant lessons, examples, and practice problems on proportionality and the proportionality constant.</b></p> <p><b>b. Worksheets or handouts with exercises and problems related to direct and inverse proportion.</b></p> <p><b><u>Homework/Assignments:</u></b></p> <ul style="list-style-type: none"> <li>• Solve 5 even number questions from textbook</li> <li>• Weekly Test (Every MONDAY)</li> <li>• Question of the day (Monday to Thursday 6:00pm to 11:59 pm)</li> </ul>



ADVANCED ARABIC	GENERAL ARABIC
<p><b>Topics:</b> الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر</p> <p><b>Learning Objectives:</b> أن يتعرف المتعلم الأفعال التي تنصب مفعولين أصلهما مبتدأ وخبر ويعرب جملها ويوظفها في مواقف حياتية</p> <p><b>Resources needed:</b> الكتاب المدرسي - الدفتر المدرسي - العرض التقديمي - السبورة الذكية</p> <p><b>Homework/Assignments:</b> حل ص 145</p>	<p><b>Topics:</b> السيدة المعجزة</p> <p><b>Learning Objectives:</b> أن يستمع جيداً إلى النص التعرف على قصة حياة هيلين كلير أن يكتب عناوين هيلين كلير التي ذكرت في النص</p> <p><b>Resources needed:</b> الكتاب - الدفتر - العرض</p> <p><b>Homework/Assignments:</b> اكتب بطاقة تعريفية لهيلايت كلير</p>
PHYSICS	BIOLOGY
<p><b>Topics:</b> Kinetic particle model of matter</p> <p><b>Learning Objectives:</b> Describe qualitatively, in terms of particles, the effect on the pressure of a fixed mass of gas of: a) a change of temperature at constant volume b) a change of volume at constant temperature Describe the graphical representation of the relationship <math>PV=\text{constant}</math></p> <p><b>Resources needed:</b> PPT, Worksheet, Past paper questions</p> <p><b>Homework/Assignments:</b> Refer to past paper questions.</p>	<p><b>Topics:</b> • Plant nutrition</p> <p><b>Learning Objectives:</b> • Describe photosynthesis • State the word equation for photosynthesis • State that chlorophyll is a green pigment • Outline the subsequent use and storage of the carbohydrates made in photosynthesis, • Explain the importance of: (a) nitrate ions for making amino acids (b) magnesium ions for making chlorophyll • Investigate the need for chlorophyll, light and carbon dioxide for photosynthesis, using appropriate controls</p> <p><b>Resources needed:</b> • PPT, • Worksheet, • Past paper questions • Laptop • Textbook</p> <p><b>Homework/Assignments:</b> • Topic related past paper questions practice</p>



CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p><b>Topics:</b> Acids, Bases and Salts</p> <p><b>Learning Objectives:</b> Describe the characteristic properties of acids and bases in terms of their reactions State that bases are oxides or hydroxides of metals and that alkalis are soluble bases State that aqueous solutions of acids contain H<sup>+</sup> ions and aqueous solutions of alkalis contain OH<sup>-</sup> ions Define acids and bases</p> <p><b>Resources needed:</b> Workbook, Textbook, ppts, videos</p> <p><b>Homework/Assignments:</b> Daily Questions, Weekly assignment, past paper questions</p>	<p><b>Topics:</b> Human Population - population growth and resources</p> <p><b>Learning Objectives:</b> 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><b>Resources needed:</b> <b>PPT, Past Papers</b></p> <p><b>Homework/Assignments:</b> Research one example of a country or region that experiences <b>underpopulation</b> (e.g., Canada or Greenland).</p>
ISLAMIYAT	ISLAMIC STUDIES
<p><b>Topics:</b> Migration in Islam</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• <b>Understand the reasons for migration:</b></li><li>• Students will identify the key reasons that led the Muslims to migrate to Abyssinia during the early years of Islam.</li><li>• <b>Explore the impact of migration:</b></li><li>• Students will evaluate the outcomes of this migration and its significance in the history of Islam.</li></ul> <p><b>Resources needed:</b></p> <ul style="list-style-type: none"><li>• <b>Textbook:</b> Islamic Education Grade 9 (Migration to Abyssinia section).</li></ul>	<p><b>Topics:</b> Society is made up of men and women</p> <p><b>Learning Objectives:</b></p> <ul style="list-style-type: none"><li>• Understand the complementary roles of men and women in society as outlined in Islamic teachings.</li><li>• Explore examples of collaboration between men and women in building and sustaining a community.</li></ul> <p><b>Resources needed:</b></p> <ol style="list-style-type: none"><li>1. <b>Quranic References:</b><ol style="list-style-type: none"><li>a. Surah Al-Hujurat (49:13)</li><li>b. Surah An-Nisa (4:1)</li></ol></li><li>2. <b>Hadith:</b></li></ol>



- **Video Resource:** A short documentary or animated video depicting the story of the migration to Abyssinia.

**Homework/Assignments:**

Write a one-page essay on the following topic:  
"Imagine you were among the early Muslims migrating to Abyssinia. Describe your feelings, challenges faced during the migration, and how the King of Abyssinia's response affected your faith."

- a. "The believers, men and women, are helpers, supporters, and friends to one another." (Sunan At-Tirmidhi)

3. Visual aids or slides showcasing examples of collaboration.
4. Whiteboard and markers for brainstorming activities.

**Homework/Assignments:**

**Title:** "Roles of Men and Women in Building a Society"

**Task:** Write a short essay (150–200 words) discussing:

- How men and women complement each other in society.

**URDU**

**Topics:** ترجمہ

**Learning Objectives:**

پیراگراف کے انگریزی معنی کو سمجھنے کے قابل ہونگے۔

ترجمہ میں تسلسل اور موزوں الفاظ کا استعمال کرنا۔

ترجمہ کرنے کے نکات کو سمجھ کر انگریزی میں دئے پیراگراف کا اردو میں ترجمہ کریں گے

**- Resources needed:**

کتاب ۱۔ ورک شیٹ مارکر 4۔

**Homework/Assignments:**

صفحہ: ۱۸۷۔۱۸۹۔۱۹۷۔۱۹۵

**PAKISTAN STUDIES**

**Topics:**

1. What are the Government of Pakistan's efforts to improve agricultural production?
2. Understand the relationship between farming practices and the environment.

**Learning Objectives:**

Understand how the government is doing its part. How can Agriculture be saved from climatic catastrophe & make it a profitable industry for future generations

**Resources needed:**

Textbook, PPT Slides, Maps, Board and Projector

**Homework/Assignments:**

Read Textbook and prepare for the group presentation followed by end of week test.



ICT	TRAVEL AND TOURISM
<p><b>Topics:</b> Chapter 4 - Internet, Intranet and extranet Practical - Spreadsheets</p> <p><b>Learning Objectives:</b> Define what the internet, intranet, and extranet is Describe the differences between an intranet and the internet Differentiate between intranet and extranet Describe the uses of an intranet, internet and extranet</p> <p><b>Resources needed:</b> Videos PPTs Past Paper Questions</p> <p><b>Homework/Assignments:</b> Practice Past Paper questions</p>	<p><b>Topics:</b> Market segmentation</p> <p><b>Learning Objectives:</b> To analyze the benefits of market segmentation in tourism industry.</p> <p><b>Resources needed:</b> E book case study</p> <p><b>Homework/Assignments:</b> Practice past paper</p>
ACCOUNTING	BUSINESS STUDIES
<p><b>Topics:</b> Control Account</p> <p><b>Learning Objectives:</b> To formulate sales ledger control account</p> <p><b>Resources needed:</b> Task Sheets Formats Text book</p> <p><b>Homework/Assignments:</b> Topical questions</p>	<p><b>Topics:</b> Motivation</p> <p><b>Learning Objectives:</b> To analyze the benefits of a motivated workforce.</p> <p><b>Resources needed:</b> E book, Topical past papers uploaded in teams</p> <p><b>Homework/Assignments:</b> Practice past papers.</p>
ECONOMICS	MORAL, SOCIAL AND CULTURAL STUDIES
<p><b>Topics:</b> Price elasticity of supply Degrees of elasticity</p> <p><b>Learning Objectives:</b> To calculate the price elasticity of supply To discuss the elastic and inelastic supply</p>	<p><b>Topics:</b> The Emergence of Bani Yas and Qawasims in UAE</p> <p><b>Learning Objectives:</b> The Understand about the emergence of Shiekh Families and their influences in respective regions</p> <p><b>Resources needed:</b></p>



<p>To discuss the degrees of elasticity Weekly test on thursday <b>Resources needed:</b> Textbook PPTs Topical based questions Ebook uploaded in teams <b>Homework/Assignments:</b></p>	<p>PPTS Videos Textbook Activities <b>Homework/Assignments:</b> Write a short essay explaining the origins, roles, and contributions of the Bani Yas and Qawasmi's in UAE history.</p>
UAE ARABIC	ISLAMIC ARABIC
<p><b>Topics:</b> الوحدة : الملامح البشرية للوطن العربي الدرس ك قضايا سكانية معاصرة في الوطن العربي <b>Learning Objectives:</b> يناقش القضايا السكانية المعاصرة يستنتج اسباب المشكلات السكانية في الوطن العربي <b>Resources needed:</b> الكتاب المدرسي الشبكة العنكبوتية العرض التقديمي أوراق عمل <b>Homework/Assignments:</b> بحث في اهم المشكلات السكانية في العالم</p>	<p><b>Topics:</b> ( للمجتمع رجاله ونساؤه ) حديث شريف <b>Learning Objectives:</b> أن يقرأ الطالب الحديث الشريف قراءة صحيحة أن يتعرف الطالب على معاني الكلمات الواردة في الحديث أن يستنتج الطالب مخاطر التشبه <b>Resources needed:</b> الكتاب المدرسي السبورة الذكية الشبكة العنكبوتية العرض التقديمي أوراق عمل <b>Homework/Assignments:</b> حل أنشطة الكتاب المدرسي حفظ الحديث الشريف مراجعة العرض التقديمي للدرس</p>
ART AND DESIGN	
<p><b>Topics:</b> marine life -Jenny Berry <b>Learning Objectives:</b> Realistic or stylized marine life drawings will highlight texture, motion, and color blending to depict underwater scenes. <b>Resources needed:</b> Drawing Book</p>	



Pencil & Eraser  
colours