



LEARNING TRAILS AY 2026-27

YEAR: 11

TERM 1_WEEK 8(Oct 26th -30th , 2026)

ENGLISH	MATHEMATICS
<p><u>Topics:</u></p> <p><u>Analytical Writing - (Review Writing)</u></p> <ul style="list-style-type: none">• Travel & Environmental Texts• Text Connectors & Idea Outlines <p><u>Learning Objectives:</u></p> <p>-respond to a written stimulus and use appropriate register, style and format for the given purpose and audience</p> <p>- Deduce underlying structures, formulate sophisticated multi-paragraph essays/ reviews with advanced cohesive text connectors.</p> <p>- produce written texts with a range of grammatical and lexical structures</p> <p><u>Resources needed:</u></p> <p>_Textbooks or educational websites with lessons Student book/Workbook</p> <p><u>Methods:</u> Project-Based Learning; Scaffolding Templates. Tools: Essay Blueprints, Graphic Organizers</p> <p><u>Homework/Assignments:</u></p> <p>Assignments uploaded on Edu Nation.</p>	<p><u>Topics:</u></p> <p>Mensuration</p> <p><u>Learning Objectives:</u></p> <p>Calculations involving areas of 2-dimensional shapes.</p> <ul style="list-style-type: none">• Volume and surface area of cylinder.• To calculate the volume of Pyramids <p>To calculate the volume and surface area of cone</p> <ul style="list-style-type: none">• To calculate the surface area of a sphere <p><u>Resources needed:</u></p> <p>Textbooks or educational websites with lessons, examples, and practice problems related to mensuration and the formulas for calculating perimeter, area, circumference, and volume.</p> <p>b. Physical objects or models of different shapes to aid visualization and understanding of mensuration concepts.</p> <p><u>Homework/Assignments:</u></p> <ul style="list-style-type: none">• Solve 5 questions daily provided by the mathematics teacher.• A weekly test will be conducted on a day when students have two Mathematics periods.• A past examination paper will be shared every week on Friday and must be completed and submitted on Monday, the first school day of the week.



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصيدة بان الخليل</p> <p>Learning Objectives: أن يتعرف المتعلم على الشاعر ومناسبة القصيدة أن يستنتج المتعلم الأفكار الرئيسية والفرعية للقصيدة أن يفسر المتعلم المفردات الجديدة ويوظفها في جمل أن يحلل المتعلم أبيات القصيدة مبيناً الصور البلاغية فيها . أن يكتب المتعلم القيم المستفادة من القصيدة</p> <p>Resources needed: الكتاب المدرسي - منصة ألف - البور بوينت - السبورة - بطاقات تفاعلية</p> <p>Homework/Assignments: حل أنشطة الدرس في منصة ألف</p>	<p>Topics التطوع</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • أن يقرأ الطالب النص قراءة صحيحة • أن يتعرف الطالب المفردات الجديدة في النص • أن يحدد الطالب الفكرة العامة للنص • أن يستخرج الطالب معلومات بسيطة من النص • أن يجيب الطالب عن أسئلة مباشرة حول النص • أن يذكر الطالب بعض الأعمال التطوعية • أن يكتب الطالب جملاً بسيطة عن أهمية التطوع ومساعدة الآخرين. <p>Resources needed: الكتاب المدرسي \ بوربوينت \ صور عن الأعمال التطوعية ومساعدة الآخرين \ بطاقات كلمات \ دفتر الطالب</p> <p>Homework/Assignments: حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس - كتابة 3 جمل بسيطة عن التطوع وأهميته</p>
PHYSICS	BIOLOGY
<p>Topics: 4.5.4 Force on a current-carrying conductor 4.5.5 The d.c. motor</p> <p>Learning Objectives: Describe an experiment to show that a force acts on a current-carrying conductor in a magnetic field, including the effect of reversing: a. the current b. the direction of the field</p>	<p>Topics: Reproduction in organisms</p> <p>Learning Objectives: <u>16.1 Asexual reproduction</u> 1 Describe asexual reproduction as a process resulting in the production of genetically identical offspring from one parent 2 Identify examples of asexual reproduction in diagrams, images and information provided 3 Discuss the advantages and disadvantages of asexual reproduction:</p>



Determine the direction of the force on beams of charged particles in a magnetic field

Describe the operation of an electric motor, including the action of a split-ring commutator and brushes

Resources needed:

<https://ophysics.com/em10.html>

<https://www.olabs.edu.in/olabs/OLabsPhysics/ForceOnConductor/forceonconductor.html>

Homework/Assignments:

Solving Past paper questions

(a) to a population of a species in the wild

(b) to crop production

16.2 Sexual reproduction

1 Describe sexual reproduction as a process involving the fusion of the nuclei of two gametes to form a zygote and the production of offspring that are genetically different from each other

2 Describe fertilisation as the fusion of the nuclei of gametes.

3 State that nuclei of gametes are haploid and that the nucleus of a zygote is diploid

4 Discuss the advantages and disadvantages of sexual reproduction:

(a) to a population of a species in the wild

(b) to crop production

16.3 Sexual reproduction in plants

1 Identify in diagrams and images and draw the following parts of an insect-pollinated flower: sepals, petals, stamens, filaments, anthers, carpels, style, stigma, ovary and ovules

2 State the functions of the structures listed in

16.3.1

3 Identify in diagrams and images and describe



	<p>the anthers and stigmas of a wind-pollinated flower</p> <p>4 Distinguish between the pollen grains of insect-pollinated and wind-pollinated flowers</p> <p>5 Describe pollination as the transfer of pollen grains from an anther to a stigma</p> <p><u>Resources needed:</u> Text book, videos, PPT</p> <p><u>Homework/Assignment</u> <u>Topical and past paper Questions</u></p>
CHEMISTRY	ICT
<p><u>Topics:</u> 11. Organic Chemistry 11.5 Alkenes 11.6 Alcohols</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">-State that the bonding in alkenes includes a double carbon–carbon covalent bond and that alkenes are unsaturated hydrocarbons-Describe the manufacture of alkenes and hydrogen by the cracking of larger alkane molecules using a high temperature and a catalyst-Describe the reasons for the cracking of larger alkane molecules-State that in an addition reaction only one product is formed-Describe the properties of alkenes in terms of addition reactions.-Describe the manufacture of ethanol-Describe the combustion of ethanol-State the uses of ethanol-Describe the advantages and disadvantages of the manufacture of ethanol	<p><u>Topics:</u> 8.2: eSafety 21: Website Authoring</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Analyze the principles of the Data Protection Act.• Distinguish between personal and sensitive data.• Analyze the need for eSafety when using internet, email, social media and online gaming.• Create the content layer (HTML) of a web page• Create the presentation layer (CSS) of a web page <p><u>Resources needed:</u> Notebooks, A4 sheets, Stationeries</p> <p><u>Homework/Assignments:</u> Practice Past Paper Questions for Unit 7.</p>



Resources needed:

Power point, worksheets, past papers

Homework/Assignments:

- Solve the given reactions of alcohol and alkenes.
- Predict the products of unknown reactions
- Past papers

ISLAMIC ARABIC

Topics:

سورة الكهف (الآيات 9-27) – أصحاب الكهف

Learning Objectives:

- أن يتلو الآيات (9-27) من سورة الكهف تلاوة صحيحة مع تطبيق أحكام التجويد.
- أن يشرح قصة أصحاب الكهف ويحدد أهم أحداثها والدروس المستفادة منها.
- أن يحلل أهمية قوة الإيمان والصبر والتوكل على الله تعالى في مواجهة التحديات والصعوبات.
- أن يوضح كيف حفظ الله تعالى الفتية المؤمنین بسبب إيمانهم الصادق.
- أن يطبق قيم الشجاعة والمثابرة والتوكل على الله واختيار الصحبة الصالحة في حياته اليومية.

Resources Needed:

1. القرآن الكريم – سورة الكهف (الآيات 9-27).
2. الكتاب المدرسي لمادة التربية الإسلامية.
3. السبورة التفاعلية والعرض التقديمي.
4. أوراق عمل تتضمن مواقف حياتية وأسئلة تنمي مهارات التفكير الناقد.

(Homework / Assignments):

1. التدرب على تلاوة الآيات (9-27) من سورة الكهف تلاوة صحيحة.
2. حفظ الآيات المقررة وفق توجيهات المعلم.

ISLAMIC EDUCATION

Topics:

Surah Al-Kahf (Verses 9–27) – The Companions of the Cave

Learning Objectives:

By the end of the lesson, students will be able to:

1. Recite verses (9–27) of Surah Al-Kahf correctly while applying the rules of Tajweed.
2. Explain the story of the Companions of the Cave and identify the main events and lessons.
3. Analyse the importance of strong faith, patience, and reliance on Allah during difficult situations.
4. Explain how Allah protected the young believers because of their sincere faith.
5. Apply the values of courage, perseverance, trust in Allah, and choosing good companions in their daily lives.

Resources Needed:

1. The Holy Qur'an – Surah Al-Kahf (Verses 9–27).
2. Islamic Education textbook.
3. Interactive whiteboard and PowerPoint presentation.
4. Worksheets containing real-life situations and critical-thinking questions.



3. حل أنشطة الكتاب المدرسي المتعلقة بدرس أصحاب الكهف.

5. Microsoft Teams, Quizizz, or Alef Platform for interactive assessment activities.

Homework / Assignments:

1. Practise the correct recitation of Surah Al-Kahf (Verses 9–27).
2. Memorise the assigned verses according to the teacher's instructions.
3. Complete the textbook activities related to the Companions of the Cave.
4. Write three lessons learned from the story of the Companions of the Cave and explain how they can be applied in daily life.
5. Complete the assigned lesson activities on the Alef Platform.

ACCOUNTING

Topics:

Depreciation on non current assets

Learning Objectives:

Prepare ledger accounts and journal entries to record the sale of non-current assets, including the use of disposal accounts.

Resources needed:

Text book

Formats

Task sheets

PPT

Homework/Assignment:

Topical questions

BUSINESS

Topics:

Operations management

Learning Objectives:

To analyse different methods of production

Resources needed:

E book,

Case studies

Homework/Assignments:

Practice end of chapter questions



ECONOMICS

Topics:

Population

Learning Objectives:

To define birth rate, death rate, immigration and emigration

To explain how birth rates, death rates can vary between countries

To explain the concept of optimum population

Resources needed:

Textbook, ppt, past paper questions

Homework/Assignments:

Topical questions, four-part questions