



LEARNING TRAILS AY 2026-27

YEAR:10

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

ENGLISH	MATHEMATICS
<p>Topics:</p> <p>Reading Progressive Test-GL Model</p> <p>Listening Progressive Test-Cambridge Model</p> <p>Writing Progressive Test-Essay Writing</p> <p>Grammar- Prepositions</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• To analyze a GL-style reading passage to infer meaning, identify key details, and evaluate information using textual evidence.• To infer specific information, interpret key ideas, and distinguish relevant details in a Cambridge-style listening task.• To select and use appropriate prepositions of time, place, and movement accurately in context. <p>Resources needed:</p> <ul style="list-style-type: none">• Notebooks• Stationaries• Worksheets• PPTs <p>Homework/Assignments:</p> <p>Grammar Practice Worksheets</p>	<p>Topics:</p> <p>Algebra 1: Quadratic equations(Remaining part)</p> <p>Algebra 2: Solving Equations</p> <p>Learning Objectives:</p> <ul style="list-style-type: none">• Derive and solve simple linear equations in one unknown.• Solve simultaneous linear equations in two unknowns.• Derive and solve simple linear equations in two unknown. <p>Resources needed:</p> <p>Smartboard, whiteboard, notebooks, stationaries, PPTs, ATS worksheets</p> <p>d. https://pastpapers.co/cie/?dir=IGCSE%2FMathematics-0580</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none">• Weekly test• Weekly Assignment• Daily HW



ADVANCED ARABIC	GENERAL ARABIC
<p>Topics: قصيدة من مكارم الأخلاق</p> <p>Learning Objectives: أن يفسر المتعلم معاني المفردات الجديدة أن يستنتج المتعلم الفكرة الرئيسية والفكر الفرعية للنص أن يحلل النص تحليلاً لغوياً وبلاغياً أن يتحدث عن مكارم الأخلاق أن يوضح المتعلم أهمية التحلي بالصفات الحميدة</p> <p>Resources needed: كتاب الطالب - منصة ألف - العرض التقديمي - السبورة الذكية</p> <p>Homework/Assignments: أن يجيب الطالب عن أنشطة الدرس في منصة ألف</p>	<p>Topics: (الحلم قد يصبح واقعاً) قراءة - كتابة</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 الأحلام والطموحات المستقبلية • أن يكتب الطالب جملاً بسيطة عن حلمه في المستقبل <p>Resources needed: الكتاب المدرسي \ بوربوينت \ صور عن الأحلام والمهن والطموحات \ بطاقات كلمات \ دفتر الطالب</p> <p>Homework/Assignments: حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس - كتابة 3 جمل بسيطة عن حلم الطالب في المستقبل</p>
PHYSICS	BIOLOGY
<p>Topics: 1.5.1 Effects of forces</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Describe qualitatively, motion in a circular path due to a force perpendicular to the motion. • Describe the moment of a force as a measure of its turning effect and give everyday examples. <p>Resources needed: PPT, Video, simulation</p> <p>Homework/Assignments:</p>	<p>Topics:</p> <ul style="list-style-type: none"> • Diffusion • Factors affecting diffusion • Osmosis • Osmosis in living organisms <p>Learning Objectives:</p> <ul style="list-style-type: none"> • Diffusion: Describe diffusion as the movement of particles from a high concentration to a low concentration. • Factors affecting diffusion: Explain how temperature, surface area, concentration gradient and distance affect the rate of diffusion.



Worksheet	<ul style="list-style-type: none">• Osmosis: Describe osmosis as the movement of water through a partially permeable membrane.• Osmosis in living organisms: Explain what happens to plant and animal cells when they are placed in different solutions. <p><u>Resources needed:</u> Marshall Cavendish textbook, Power point, worksheets</p> <p><u>Homework/Assignments:</u> Plan an investigation to find out how the concentration of salt solution affects the change in mass of potato pieces.</p>
CHEMISTRY	ENVIRONMENTAL MANAGEMENT
<p><u>Topics:</u> Elements, compounds and mixtures; Atomic structure and the Periodic Table (2.1–2.2)</p> <p><u>Learning Objectives:</u></p> <ul style="list-style-type: none">• Describe the differences between elements, compounds and mixtures.• Describe the structure of the atom as a central nucleus containing protons and neutrons, surrounded by electrons in shells, and state the relative charges and relative masses of a proton, a neutron and an electron.• Define proton number/atomic number as the number of protons in the nucleus of an atom, and mass number/nucleon number as the total number of protons and neutrons in the nucleus. <p><u>Resources needed:</u> Chemistry coursebook, Smart board ppt., past papers (IGCSE 0620), particle diagrams of elements/compounds/mixtures, Bohr diagram, Periodic Table</p> <p><u>Homework/Assignments:</u></p>	<p><u>Topics:</u> Human Population</p> <p><u>Learning Objectives:</u> Describe where people live in the world using the terms sparsely populated and densely populated. Define population density and population distribution and calculate population density in people per km².</p> <p><u>Resources needed:</u> <u>PPT, Textbook, Assignment sheet</u></p> <p><u>Homework/Assignments:</u> Which city in the UAE do you think has the largest population? Why do many people choose to live in cities such as Dubai and Abu Dhabi?</p>



- a) Using particle diagrams, show the difference between an element, a compound and a mixture, and give one example of each.
- b) Draw a labelled diagram of a carbon atom (proton number 6, mass number 12) showing the nucleus and electron shells, and add a table of the relative charge and relative mass of a proton, neutron and electron.
- c) For sodium (proton number 11, mass number 23), state the number of protons, neutrons and electrons, and explain how you used the proton number and mass number to work these out.

ISLAMIC ARABIC

Topics:

تابع درس سلامة المجتمع ووحدة بنائه – سورة الحجرات (الآيات 13–11).

Learning Objectives:

- أن يتلو الطالب الآيات تلاوة صحيحة.
- أن يوضح الطالب مظاهر سلامة المجتمع في الإسلام.
- أن يفسر النهي عن السخرية والتنازع بالألقاب وسوء الظن والغيبة.
- أن يستنتج أثر احترام الآخرين والتعاون في تحقيق التماسك المجتمعي.
- أن يطبق قيم الاحترام والتسامح والأخوة في حياته اليومية.

Resources needed:

- (القرآن الكريم – سورة الحجرات (الآيات 13–11)).
- الكتاب المدرسي والسبورة التفاعلية.
- عرض تقديمي أو ورقة عمل تتضمن مواقف حياتية.
- للتقويم Quizizz أو Microsoft Teams منصة التفاعلي.

Homework/Assignments:

ISLAMIC STUDIES

Topics:

Community Safety and Social Unity – Surah Al-Hujurat (Verses 11–13)

Learning Objectives:

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

1. Recite the assigned verses of Surah Al-Hujurat correctly.
2. Explain the key principles of maintaining a safe and harmonious society in Islam.
3. Explain why Islam prohibits mocking others, calling people offensive names, negative assumptions, and backbiting.
4. Analyse how respecting others and cooperating with one another contribute to social unity and community cohesion.
5. Apply the values of respect, tolerance, and brotherhood in their daily lives.



- حفظ وفهم الآيات المقررة من سورة الحجرات
- حل أنشطة الكتاب المدرسي المتعلقة بدرس سلامة المجتمع.
- كتابة ثلاثة سلوكيات تسهم في تحقيق سلامة المجتمع ونشر الاحترام بين أفرادهم.
- حل الدرس على منصة ألف

Resources Needed:

1. The Holy Qur'an – Surah Al-Hujurat (Verses 11–13).
2. Islamic Education textbook and interactive whiteboard.
3. PowerPoint presentation or worksheets containing real-life situations.
4. Microsoft Teams or Quizizz for interactive assessment activities.

Homework / Assignments:

1. Memorise and understand the assigned verses of Surah Al-Hujurat.
2. Complete the textbook activities related to the lesson on Community Safety and Social Unity.
3. Write three examples of positive behaviours that promote community safety and mutual respect among its members.
4. Complete the lesson activities on the Alef Platform.

Is this conversation helpful so far?

PAKISTAN STUDIES

Topics:

Politics & Governments after Jinnah's Death

Learning Objectives:

To Assess the causes of political instabilities after Jinnah's death

Resources needed:

Copybook, textbook, ppt

Homework/Assignments:

Creating Jinnah's Vision Charts

ICT

Topics:

2.3: Output Devices

18: Databases

Learning Objectives:

- Discuss the advantages and disadvantages of output devices.
- Create a tabular report based on a query to display data.

Resources needed:

Notebooks, A4 sheets, Stationeries

Homework/Assignments:



	Draw a KWL chart in your notebook. In the K section, name three output devices you are familiar with and write one use of each.
TRAVEL AND TOURISM	MORAL, SOCIAL AND CULTURAL STUDIES
<p><u>Topics:</u> Tourism destination</p> <p><u>Learning Objectives:</u> To evaluate the cost of developing tourism destination</p> <p><u>Resources needed:</u> E Book Case studies</p> <p><u>Homework/Assignments:</u> Practice end of chapter questions</p>	<p><u>Topics:</u> Entrepreneurship Skills</p> <p><u>Learning Objectives:</u> To assess the impacts of Entrepreneurship on country development</p> <p><u>Resources needed:</u> Textbook, Copybook, PPT</p> <p><u>Homework/Assignments:</u> Listing Entrepreneurship Skills adopting budgeting in daily life.</p>
ACCOUNTING	BUSINESS
<p><u>Topics:</u> Business Documents</p> <p><u>Learning Objectives:</u> Complete pro-forma business documents • Understand the use of business documents as sources of information: invoice, credit note, cheque counterfoil, paying-in slip, receipt, bank statement</p> <p><u>Resources needed:</u> Task sheet Formats Text book PPT</p> <p><u>Homework/Assignments:</u> Topical questions</p>	<p><u>Topics:</u> Operations management</p> <p><u>Learning Objectives:</u> To analyze different methods of production</p> <p><u>Resources needed:</u> E book Case studies with mark scheme</p> <p><u>Homework/Assignments:</u> Practice topical past papers</p>



ECONOMICS	UAE ARABIC
<p>Topics: Price determination</p> <p>Learning Objectives: To explain how price mechanism answers the basic resource allocation questions To define market equilibrium To draw and interpret equilibrium price and quantity in a market To define market disequilibrium</p> <p>Resources needed: PPT , video , text book</p> <p>Homework/Assignments: Four part questions , topical questions</p>	<p>Topics: الوحدة الرابعة : قضايا اقتصادية الدرس الثاني : التكتلات الاقتصادية</p> <p>Learning Objectives: <u>أولاً : مفهوم التكتلات الاقتصادية و أهميتها</u></p> <p>Resources needed: <u>الكتاب المدرسي - الأنشطة الصفية - بوربوينت - السبورة الذكية</u></p> <p>Homework/Assignments: ماذا يحدث لو: قررت جميع دول العالم إلغاء التكتلات الاقتصادية والاعتماد كلياً على الاقتصاد الفردي لكل دولة؟</p>
ISLAMIYAT	URDU
<p>Topics: The Rightly Guided Caliphs – Abu Bakr (RA) and Umar ibn Al-Khattab (RA)</p> <p>Learning Objectives: By the end of the lesson, students will be able to:</p> <ol style="list-style-type: none"> Describe the life and important achievements of Caliph Abu Bakr (RA) and Caliph Umar ibn Al-Khattab (RA). Explain the contributions of both Caliphs to the development and expansion of the Islamic state. Identify the leadership qualities of Abu Bakr (RA) and Umar (RA), including justice, honesty, courage, and responsibility. Compare the major achievements and challenges faced by both Caliphs during their leadership. 	<p>Topics: برقی نامہ نویسی</p> <p>Learning Objectives: ای میل کے خاکہ کو سمجھنا اور لکھنا</p> <p>Resources needed: لیپ ٹاپ پی پی ٹی کتاب - ۱. نئی کتاب.</p> <p>Homework/Assignments: دینے گئے صفحات کو کلاس ورک میں مکمل کریں۔</p>



5. Apply the values of justice, humility, responsibility, and good leadership in their daily lives.

Resources Needed:

1. Islamiyat textbook and relevant Islamic historical references.
2. Interactive whiteboard and PowerPoint presentation.
3. Worksheets and comparison charts highlight the achievements of both Caliphs.
4. Microsoft Teams or Quizizz for interactive assessment activities.

Homework / Assignments:

1. Read and revise the textbook lessons about Caliph Abu Bakr (RA) and Caliph Umar (RA).
2. Write five major achievements of each Caliph during their leadership.
3. Compare three leadership qualities of Abu Bakr (RA) and Umar (RA).
4. Explain how students can apply the values of justice, honesty, and responsibility in their daily lives.
5. Complete the textbook exercises and assigned worksheets related to the lesson.