LEARNING TRAILS AY 2026-27

YEAR: 11 **TERM 1_WEEK 9 (Nov 2nd – 6th Nov 2026)**

ENGLISH	MATHEMATICS
Topics: Analytical Writing & Essay Writing (Argumentative Essay) • Text Connectors & Idea Outlines **Learning Objectives:** Deduce underlying structures in complex travel and structural guides. Infer, analyse, integrate and construct an argumentative essay. **Resources needed:** Scaffolding Templates: Tools: Essay Blueprints; Graphic Organizers; Grammarly Audits. **Homework/Assignments:**	**Topics:** Symmetry /Vectory **Learning Objectives:** **Line of symmetry** **Rotational symmetry** **Planes of symmetry** **Recognise rotational and line symmetry (including order of rotational symmetry) in two dimensions.** **Using vectors** **● Understand the concept of vectors and their representation.** **● Perform vector operations, including addition, subtraction, scalar multiplication.** **Resources needed:** **Symmetry** **Activity sheet** **Q.19 P22/O/N/11** **Whiteboard or Smartboard for visual representations and explanations.** **b. Paper and pencils for drawing vectors and solving problems.** **c. Textbooks or online resources with explanations, examples, and practice exercises.** **Homework/Assignments:** • 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**
Topics: **تابع قصيدة بان الخليط/ الاستعارة** **Learning Objectives:** **أن يحلل المتعلم أبيات القصيدة** **أن يستخرج المتعلم الصور الجمالية من القصيدة** **أن يشارك المتعلم في حل أسئلة الدرس** **أن يتعرف المتعلم على الاستعارة** **أن يقارن المتعلم بين الاستعارة التصريحية والمكنية** **أن يستنتج المتعلم نوع الاستعارة من خلال الأمثلة** **أن يوظف المتعلم الاستعارة في مواقف حياتية** **Resources needed:** **الكتاب المدرسي - السبورة - بطاقات تفاعلية - بوربوينت دفتر الطالب** **Homework/Assignments:** **حل الدرس على منصة ألف**	**Topics** مواطن عالمي **Learning Objectives:** • أن يقرأ الطالب النص قراءة صحيحة. • أن يتعرّف الطالب المفردات الجديدة في النص. • أن يحدّد الطالب الفكرة العامة للنص. • أن يستخرج الطالب معلومات بسيطة من النص. • أن يجيب الطالب عن أسئلة مباشرة حول النص. • أن يذكر الطالب بعض صفات المواطن العالمي. • أن يكتب الطالب جملًا بسيطة عن احترام الآخرين والتعايش مع الثقافات المختلفة. **Resources needed:** الكتاب المدرسي _ بوربوينت _ صور عن التعاون والتعايش بين الثقافات _ بطاقات كلمات _ دفتر الطالب **Homework/Assignments:** - حل أنشطة الكتاب المدرسي - حل ورقة العمل الخاصة بالدرس كتابة 3 جمل بسيطة عن صفات المواطن العالمي.
PHYSICS	**BIOLOGY**
Topics: 4.5.5 The d.c. motor 4.5.6 The transformer **Learning Objectives:**	**Topics:** 16.3 Sexual reproduction in plants **Learning Objectives:** 1 Identify in diagrams and images and draw the following parts of an insect-pollinated flower:

Describe the operation of an electric motor, including the action of a split-ring commutator and brushes. Describe the construction of a simple transformer with a soft iron core, as used for voltage transformations Describe the use of transformers in high-voltage transmission of electricity Explain the principle of operation of a simple iron-cored transformer **Resources needed:** https://www.physicslens.com/direct-current-motor-simulation/ https://flexbooks.ck12.org/cbook/ck-12-physics-flexbook-2.0/section/19.6/primary/lesson/transformers-phys/ **Homework/Assignments:** **Past paper questions**	sepals, petals, stamens, filaments, anthers, carpels, style, stigma, ovary and ovules 3 Identify in diagrams and images and describe the anthers and stigmas of a wind-pollinated flower 4 Distinguish between the pollen grains of insect-pollinated and wind-pollinated flowers 5 Describe pollination as the transfer of pollen grains from an anther to a stigma. 6 State that fertilisation occurs when a pollen nucleus fuses with a nucleus in an ovule 7 Describe the structural adaptations of insect-pollinated and wind-pollinated flowers 8 Investigate and describe the environmental conditions that affect germination of seeds, limited to the requirement for: water, oxygen and a suitable temperature 9 Describe self-pollination as the transfer of pollen grains from the anther of a flower to the stigma of the same flower or a different flower on the same plant 10 Describe cross-pollination as the transfer of pollen grains from the anther of a flower to the stigma of a flower on a different plant of the same species 11 Discuss the potential effects of self-pollination and cross-pollination on a population, in terms of variation, capacity to respond to changes in the environment and reliance on pollinators 9 Describe self-pollination as the transfer of pollen grains from the anther of a flower to the stigma of the same flower or a different flower on the same plant 10 Describe cross-pollination as the transfer of pollen grains from the anther of a flower to the stigma of a flower on a different plant of the same species

	11 Discuss the potential effects of self-pollination and cross-pollination on a population, in terms of variation, capacity to respond to changes in the environment and reliance on pollinators **Resources needed:** **Text book, videos, worksheets.** **Homework/Assignment** Past paper and read and learn the given concept.
CHEMISTRY	**ICT**
Topics: Organic Chemistry 11.8 Esters and Ploymers **Learning Objectives:** -Describe the reaction of a carboxylic acid with an alcohol using an acid catalyst to form an Ester. 1 Define polymers as large molecules built up from many smaller molecules called monomers 2 Describe the formation of poly(ethene) as an example of addition polymerisation using ethene monomers. 3 State that plastics are made from polymers 4 Describe how the properties of plastics have implications for their disposal 5 Describe the environmental challenges caused by plastics, limited to: (a) disposal in landfill sites (b) accumulation in oceans (c) formation of toxic gases from burning Identify the repeat units and / or linkages in addition polymers and in condensation polymers 7 Deduce the structure or repeat unit of an addition polymer from a given alkene and vice versa **Resources needed:** Power point, past papers, worksheets, **Homework/Assignments:** Complete the given assignment.	**Topics:** **8.2: eSafety** **21: Website Authoring** **Learning Objectives:** • 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 **Resources needed:** Notebooks, A4 sheets, Stationeries, Glue Stick **Homework/Assignments:** • Practice the Database Task Assignment uploaded on EduNation and submit the Evidence file and Report. • Revise Unit 7 for Class Test during second theory lesson.

Predict the products for the reactions given.	
ISLAMIC ARABIC	**ISLAMIC EDUCATION**
Topics: **مراحل جمع القرآن الكريم** **Learning Objectives:** • أن يوضح الطالب مراحل جمع القرآن الكريم. • أن يقارن الطالب بين جهود أبي بكر الصديق وعثمان بن عفان رضي الله عنهما في خدمة القرآن الكريم. • أن يبين الطالب دور الصحابة رضي الله عنهم في خدمة القرآن الكريم. **Resources needed:** • الكتاب المدرسي. • العرض التقديمي ومقاطع الفيديو التعليمية. • السبورة الذكية. • أوراق العمل المتمايزة حسب مستويات الطلبة. • أدوات الذكاء الاصطناعي والتطبيقات التعليمية التفاعلية. **Homework/Assignments:** • حل أسئلة الكتاب المدرسي المتعلقة بمراحل جمع القرآن الكريم. • حل منصة ألف التعليمية	**Topics:** stages of collection of the Quran **Learning Objectives:** • Describe how the Holy Qur'an was preserved during the lifetime of Prophet Muhammad (ﷺ). • Explain the reasons for compiling the Qur'an during the caliphate of Abu Bakr (R.A.). • Identify the roles of Umar ibn al-Khattab (R.A.) and Zayd ibn Thabit (R.A.) in the compilation of the Qur'an. • Explain how and why Caliph Uthman (R.A.) standardised the Qur'anic text. **Resources needed:** • Islamic Education / IGCSE Islamiyat textbook. • Whiteboard and markers. • PowerPoint presentation explaining the stages of the Qur'an's compilation. • Timeline chart illustrating the compilation process. • Worksheets and interactive learning activities. • Relevant Qur'anic verses and Hadith references. **Homework/Assignments:** Read the lesson "Stages of the Collection and Compilation of the Holy Qur'an" from the textbook.

	• Write a short summary of the compilation of the Qur'an during the caliphates of Abu Bakr (R.A.) and Uthman (R.A.). • Complete the textbook exercises and worksheet activities
ACCOUNTING	**BUSINESS**
Topics: Ratio analysis **Learning Objectives:** To calculate profitability , liquidity and solvency ratios **Resources needed:** PPT Formula Sheet Text book Task Sheet **Homework/Assignment:** Topical questions	**Topics:** **Cost, Scale of production and Break even analysis** **Learning Objectives:** **To classify different types of costs** **To analyze the elements of break-even analysis** **Resources needed:** **Textbook, Case studies with mark scheme** **Homework/Assignments:** **Practice topical case studies**
ECONOMICS	
Topics: Differences in economic development between countries **Learning Objectives:** To discuss the causes of economic development between countries To explain the consequences of differences in income and population growth To analyse the measures taken to achieve economic development To analyse the consequences of international differences in economic development **Resources needed:** PPT, Text book, past paper questions, Marking scheme **Homework/Assignments:** Topical questions and four-part questions	