LEARNING TRAILS AY 2026-27

YEAR: 11 **TERM 1_WEEK 10 (Nov 9th– 13th Nov, 2026)**

ENGLISH	MATHEMATICS
Topics: Argumentative Essay Writing **Learning Objectives:** • Identify the issue and task focus in an argumentative prompt. • Distinguish a broad topic from a clear, defensible thesis. • Organise ideas into an introduction, supporting arguments, opposing views, and conclusions. • Develop an argument using a claim, explanation, and relevant example or evidence. • Recognise an opposing viewpoint and respond with a reasoned rebuttal. • Use linking expressions to show addition, contrast, cause, and concession. • Compose a coherent argumentative response with a clear position and logically sequenced paragraphs. • Use appropriate registers, cohesive devices, and precise vocabulary. • Review writing for relevance, organisation, development and accuracy **Resources needed:** Textbooks or online resources with explanations, examples, and practice exercises, visual representations, and explanations, Websites/ Weblinks. **Homework/Assignments:** Worksheets, Questions uploaded on Edunation.	**Topics:** **Vectors** **Learning Objectives:** **Understand the concept of vectors and their representation.** **● Perform vector operations, including addition, subtraction, scalar multiplication.** **● Recognize and analyze vector properties, such as magnitude, direction, and unit vectors. Calculate the magnitude of a column vector** **● Apply vectors in real-life scenarios and problem-solving situations.** **Resources needed:** **Whiteboard or chalkboard 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:** 1. Solve **5 questions daily** provided by the mathematics teacher. 2. A **weekly test** will be conducted on a day when students have **two Mathematics periods**. 3. 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: **الأمل والطموح** **Learning Objectives:** ـ أن يحدد المتعلم الفكرة الرئيسة والأفكار الفرعية في النص1 أن يستشهد المتعلم بأدلة ومصادر متعددة من النص مثل الأرقام والإحصائيات والتجارب والمواقف أن يقيم المتعلم الأدلة والإدعاءات المقدمة في النص من حيث صلتها بالموضوع أن يستخدم المتعلم القيم والمعاني الاجابية من النص مثل (أهمية الأمل والتحفيز ـ وحب الاستكشاف) **Resources needed:** الكتاب المدرسي ـ السبورة الذكة ـ بوربوينت دفتر الطالب أوراق عمل **Homework/Assignments:** كتابة موضوع عن الأمل والطموح في حياة الانسان ودوره في تحقيق الهدف	**Topics:** مراجعة درس أخلاقي **Learning Objectives:** • أن يقرأ الطالب نص الدرس قراءة صحيحة. • أن يراجع الطالب المفردات الجديدة في الدرس. • أن يحدّد الطالب الفكرة العامة للدرس. • أن يستخرج الطالب معلومات بسيطة من النص. • أن يجيب الطالب عن أسئلة مباشرة حول الدرس. • أن يميّز الطالب بين الأخلاق الحسنة والسلوكيات الخاطئة. • أن يكتب الطالب جملًا بسيطة عن الأخلاق الحسنة. **Resources needed:** الكتاب المدرسي _ بوربوينت _ صور عن الأخلاق الحسنة _ أوراق عمل للمراجعة _ بطاقات كلمات _ دفتر الطالب **Homework/Assignments:** حل أنشطة مراجعة الدرس - حل ورقة العمل الخاصة بالمراجعة - كتابة 3 جمل بسيطة عن الأخلاق الحسنة.
PHYSICS	**BIOLOGY**
Topics: 4.5.6 The transformer 5.1 The nuclear model of the atom 5.1.1 The atom **Learning Objectives:** Describe the use of transformers in high-voltage transmission of electricity	**Topics:** Biological molecules **Learning Objectives:** 1 List the chemical elements that make up: carbohydrates, fats and proteins 2 State that large molecules are made from smaller molecules, limited to: (a) starch, glycogen and cellulose from glucose (b) proteins from amino acids (c) fats and oils from fatty acids and glycerol 3 Describe the use of: (a) iodine solution test for starch (b) Benedict's solution test for reducing sugars

Explain the principle of operation of a simple iron-cored transformer Describe how the scattering of alpha (α) particles by a sheet of thin metal supports the nuclear model of the atom, by providing evidence for: a. a very small nucleus surrounded by mostly empty space b. a nucleus containing most of the mass of the atom c. a nucleus that is positively charged **Resources needed:** https://interactives.ck12.org/simulations/physics/ac-transformer/app/index.html?screen=sandbox **Homework/Assignments:** Solving Past paper. 0625/43/O/N/23 Q no:8	(c) biuret test for proteins (d) ethanol emulsion test for fats and oils (e) DCPIP test for vitamin C Describe the structure of a DNA molecule: (a) two strands coiled together to form a double helix (b) each strand contains chemicals called bases (c) bonds between pairs of bases hold the strands together (d) the bases always pair up in the same way: A with T, and C with G (full names are not required) **Resources needed:** Text book, Task sheets. **Homework/Assignment** **Solve topical questions**
CHEMISTRY	**ICT**
Topics: Organic Chemistry 11.8 Ploymers **Learning Objectives:** - Describe how the properties of plastics have implications for their disposal -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 condensation polymers - Deduce the structure or repeat unit of a condensation polymer from given monomers and vice versa, limited to: (a) polyamides from a dicarboxylic acid and a diamine	**Topics:** **8.3: Security of Data** **21: Website Authoring** **Learning Objectives:** - Analyze the different types of malwares and card frauds and list strategies to prevent them. - Evaluate the various methods used to protect data and ensure information security. - Insert video in an HTML file. - Create classes in the presentation layer (CSS) of a web page. - Create meta tags in the presentation layer. **Resources needed:** Notebooks, A4 sheets, Stationeries, Glue Stick **Homework/Assignments:**

(b) polyesters from a dicarboxylic acid and a diol -Describe the differences between addition and condensation polymerization. Describe and draw the structure of: (a) nylon, a polyamide State that PET can be converted back into monomers and re-polymerized Describe proteins as natural polyamides and that they are formed from amino acid monomers with the general structure: Describe and draw the structure of proteins **Resources needed:** Power point, past papers, worksheets, **Homework/Assignments:** Complete the given assignment. Predict the products for the reactions given	Complete the ICT Lab (Database) Assignment shared on Edunation and submit the Evidence file and the report latest by **Tuesday (10-November-2026)**
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:**	**Topic: Stages of the Compilation of the Holy Qur'an** **Learning Objectives:** • Explain the stages of the compilation of the Holy Qur'an. • Compare the efforts of Abu Bakr al-Siddiq and Uthman ibn Affan (may Allah be pleased with them) in preserving the Holy Qur'an. • Describe the role of the Companions (may Allah be pleased with them) in serving the Holy Qur'an. **Resources Needed:** • Textbook. • Presentation and educational videos. • Smartboard.

• حل أسئلة الكتاب المدرسي المتعلقة بمراحل جمع القرآن الكريم. • حل منصة ألف التعليمية	• Differentiated worksheets suited to students' learning levels. • AI tools and interactive educational applications. **Homework/Assignments:** • Complete the textbook questions on the stages of the compilation of the Holy Qur'an.
ACCOUNTING	**BUSINESS**
Topics: Incomplete records **Learning Objectives:** To calculate missing credit sales and credit purchase **Resources needed:** PPT Task sheet Formats **Homework/Assignment:** Topical questions	**Topics:** **Cost and scale of operations** **Learning Objectives:** **To anlaze the components of cost** **To construct BEP graph** **Resources needed:** **Textbook, Case studies, PPTs** **Homework/Assignments:** **Practice end of chapter questions**
ECONOMICS	
Topics: Specialization and free trade , Globalisation and trade restrictions **Learning Objectives:** To discuss the advantages and disadvantages of specialization To define free trade To discuss the advantages and disadvantages of free trade To define gloabalisation To explain the causes and consequences of changes in globalization **Resources needed:** PPT Textbook Past paper Marking scheme **Homework/Assignments:** Topical questions uploaded in edunation	