# LEARNING TRAILS
# AJB SECONDARY

**Grade:** 12
**Date:** Week 14 – 28th November to 2nd December 2022

| SUBJECTS | LESSONS AND CONCEPTS | LEARNING OBJECTIVES | ASSIGNMENTS AND ASSESSMENT |
|---|---|---|---|
| **ARABIC LANGUAGE _ ARABS**<br>**UNIT:**<br>**LESSON: مراجعة** | • الفصل الدراسي الأول | • أن يجيب الطالب عن التمرينات المطلوبة منه بطريقة صحيحة | • أسئلة سنوات سابقة<br>• منصة ألف |
| **ARABIC LANGUAGE_ GENERAL HG**<br>**UNIT:**<br>**LESSON: المراجعات للإمتحان** | • مقرر الإمتحان النهائي للفصل الدراسي الأول | • يتعرف على الإجابات النموذجية<br>• يستطيع الاستخراج من الفقرات<br>• يكتب الإجابات بلغة صحيحة<br>• يكتب دون أخطاء نحوية | • العروض التقديمية<br>• أوراق العمل<br>• الكتاب المدرسي<br>• الدفتر |
| **ISLAMIC STUDIES_ ARABS**<br>**UNIT:1-2**<br>**LESSON: مراجعة** | • مراجعة الفصل الدراسي الأول | • **مراجعة دروس امتحان الترم**<br>• **(ETE1)** | • الحوار والمناقشة<br>• المراجعة<br>• طرح الأسئلة<br>• الاستماع والتحدث<br>• التلاوة<br>• فيديو<br>• البوربوينت<br>• |
| **ISLAMIC STUDIES – ENGLISH**<br>**UNIT:** | • REVISION | • Acquisition (Read, Watch, Learn)<br>• Learning from Practice<br>• Learning from discussion<br>• Learning from real life connection<br>• Subject integration<br>• MEP integration | • Online quiz<br>• Discussion<br>• Daily life<br>• PPT<br>• Video<br>• Textbook |

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| **LESSON:** | | | |
| **MATHEMATICS**<br><br>**UNIT:Continuous Random Variable.**<br><br>**LESSON: Probability density function.** | • Mean, Quartiles, Variance | • To be able to find the Mean, variance, quartiles by using probability density functions. | • Topical questions & revision. |
| **PHYSICS**<br><br>**UNIT:**<br><br>**LESSON: Analysis and Evaluation** | • Paper 5 – Question 2= | • To solve problem from P5 - 2018 | • Topical past paper questions |
| **CHEMISTRY**<br><br>**UNIT: 28**<br><br>**LESSON: TRANSITION** | • 28.3 Colour of complexes | • Define and use the terms degenerate and non-degenerate d orbitals<br>• Describe the splitting of degenerate d orbitals into two non-degenerate sets of d orbitals of higher energy, and use of Δ E in: (a) octahedral | • Topical past paper questions |

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| **ELEMENTS** | | complexes, two higher and three lower d orbitals<br>• (b) tetrahedral complexes, three higher and two lower d orbitals | |
| **BIOLOGY**<br>**UNIT:**<br>**LESSON: Inheritance** | • Stages of meiosis<br>• Crossing over<br>• Independent assortment | • Interpret different stages of Meiosis<br>• Explain crossing over and independent assortment<br>• ETE 1 Revision | • Solve the topical questions |
| **INFORMATION TECHNOLOGY (IT)**<br>**UNIT: 14**<br>**LESSON: Communication technologies** | • Data transmission methods | • Describe circuit switching, packet switching and message switching.<br>• Differentiate between different transmission methods.<br>• Describe the advantages and disadvantages of each transmission method | • Solve the topical questions |
| **ECONOMICS**<br>**UNIT:**<br>**LESSON:** | • Business objectives and growth | • Discussing the importance of setting goals and objectives | • Topical questions<br>• Revision sheets<br>• Assessment/Test |
| **ACCOUNTING**<br>**UNIT: Analysis and Interpretation of accounting information**<br>**LESSON: Ratio analysis** | • working capital cycle (in days)<br>• Net working assets to revenue (sales)<br>• Interest cover – gearing ratio – earnings per share – price/earnings ratio – | • Analyse ratios to evaluate the performance of the business . | • Formula Sheet<br>• Structured topical question<br>• Assessment and feedback |

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| | dividend per share – dividend yield – dividend cover | | |
| **BUSINESS STUDIES**<br><br>**UNIT: 1**<br><br>**LESSON: 6.7.8** | • Business strategy | • To revise and recall the methods to prepare business strategy | • Practicing the preparation of business strategies by solving data response questions.<br>• Assessments and feedback |