

mkAL AIN JUNIORS SCHOOL- BRITISH SYSTEM
LEARNING TRAILS

AY 2023-24: Term 2_Week 4 (22nd to 26th January 2024)

GRADE 11

| MATHEMATICS | IT |
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| <p>Topics: Integration</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> understand integration as the reverse process of differentiation, and integrate $(ax + b)^n$ (for any rational n except -1), together with constant multiples, sums and differences solve problems involving the evaluation of a constant of integration evaluate definite integrals <p>Resources needed: Textbook, PPTs, Past Paper questions CAIE Mathematics: Topic-Wise Study Guides, Questions, and Resources Search Results (cambridgepapers.net)</p> <p>Homework/Assignments: CAIE Mathematics: Topic-Wise Study Guides, Questions, and Resources Search Results (cambridgepapers.net) CAIE Mathematics: Topic-Wise Study Guides, Questions, and Resources Search Results (cambridgepapers.net)</p> | <p>Topics: Sound and video editing: Edit a video clip to meet the requirements</p> <p>Learning Objectives: Set an aspect ratio Trim a video clip to remove unwanted footage Splice/join together video clips Create text based slides Create credits Add captions and subtitles Add fading effects. Add sound to a video clip Remove sound from a video clip. Alter the speed of a video clip.</p> <p>Resources needed Windows movie maker application Audacity application. Past paper tasks.</p> <p>Homework/Assignments: Solve past paper questions</p> |
| ADVANCED ARABIC | GENERAL ARABIC |
| <p>Topics: أفعال المقاربة والشروع والرجاء</p> <p>Learning Objectives:</p> <ul style="list-style-type: none"> أن يتعرف أفعال المقاربة والشروع والرجاء أن يعربها إعرابا صحيحا أن يوظف أفعال المقاربة والشروع والرجاء في مواقف حياتية <p>Resources needed: الكتاب المدرسي - بوربوينت - أنشطة تعليمية صفية - منصة ألف</p> | <p>Topics: التجارة الإلكترونية</p> <p>Learning Objectives: يتعرف معنى التجارة يبحث عن أمواج التجارة يكتب عن التجارة الإلكترونية</p> <p>Resources needed: الكتاب - العرض - الإنترنت</p> <p>Homework/Assignments:</p> |

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| <p>Homework/Assignments:</p> <ul style="list-style-type: none"> حل أسئلة منصة ألف | <p>كتب نبذة عن التجارة الإلكترونية</p> |
| <p style="text-align: center;">PHYSICS</p> | <p style="text-align: center;">BIOLOGY</p> |
| <p>Topics: Stationary waves</p> <p>Learning Objectives: Explain and use the principle of superposition 2 show an understanding of experiments that demonstrate stationary waves using microwaves, stretched strings and air columns (it will be assumed that end corrections are negligible; knowledge of the concept of end corrections is not required) 3 explain the formation of a stationary wave using a graphical method, and identify nodes and antinodes 4 understand how wavelength may be determined from the positions of nodes or antinodes of a stationary wave</p> <p>Resources needed: Standing waves: https://studynova.com/lecture/physics/waves/standing-waves/ Wave on a String simulation: https://phet.colorado.edu/en/simulation/wave-on-a-string https://spark.iop.org/episode-324-stationary-or-standing-waves</p> <p>Homework/Assignments: [2006-2010]Practice sheet –MCQ and SQ</p> | <p>Topics: Unit : 7 Transport in Plants</p> <p>Learning Objectives: 1.draw plan diagrams of transverse sections of stems, roots and leaves of herbaceous dicotyledonous plants from microscope slides and photomicrographs 2 describe the distribution of xylem and phloem in transverse sections of stems, roots and leaves of herbaceous dicotyledonous plants</p> <p>Resources needed: www.youtube.com/watch?v=Qwb6mVeMpW8 Textbook, Past Papers</p> <p>Homework/Assignments: Describe the distribution of xylem and phloem in transverse sections of stems, roots and leaves of herbaceous dicotyledonous plants.</p> |
| <p style="text-align: center;">ISLAMIC ARABIC</p> | <p style="text-align: center;">ISLAMIC EDUCATION</p> |
| <p>Topics: منهج الإسلام في بناء الأسرة</p> <p>Learning Objectives: أن يبين أهمية الأسرة في الإسلام * أن يوضح مظاهر اهتمام الإسلام بالأسرة * أن يحدد وظائف الأسرة في الإسلام * أن يستنتج أسس بناء الأسرة في الإسلام</p> <p>Resources needed: الكتاب المدرسي بوربوينت أنشطة تعليمية</p> | <p>Topics: Family Building in Islam</p> <p>Learning Objectives: Explain the importance of family in Islam. Discuss the shariah rules for family</p> <p>Resources needed: Book PPT Student's activities Revision of power point. Muqitweb.com</p> |

| <p>منصة ألف</p> <p>Homework/Assignments:</p> <ul style="list-style-type: none"> • حل أنشطة الطالب • حل أسئلة منصة ألف | <p>Homework/Assignments:</p> <p>Solve students' activities in textbook</p> |
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| CHEMISTRY | ACCOUNTING |
| <p>Topics:</p> <p>Group _17 Elements</p> <p>Learning Objectives:</p> <p>describe the relative reactivity of halide ions as reducing agents 2 describe and explain the reactions of halide ions with:</p> <p>(a) aqueous silver ions followed by aqueous ammonia (the formation and formula of the $[Ag(NH_3)_2]^+$ complex is not required)</p> <p>(b) concentrated sulfuric acid, to include balanced chemical equations</p> <p>Resources needed:</p> <p>www.youtube.com/watch?v=NN82GoBG98s [reaction of chlorine and hydrogen]</p> <p>www.youtube.com/watch?v=SloaknYYsGI [reaction of bromine and hydrogen]</p> <p>www.youtube.com/watch?v=KsDqJiWvvNQ [reaction of iodine and hydrogen]</p> <p>Homework/Assignments:</p> <p>Textual Questions & Topical Questions</p> | <p>Topics:</p> <p>Marginal Costing</p> <p>Learning Objectives:</p> <p>Application of marginal costing data as a support for management decision-making, including make-or buy, special orders, closure of business unit, limiting factors</p> <p>Resources needed:</p> <p>A level text book By David Hopkins Task Sheet Topical questions</p> <p>Homework/Assignments:</p> <p>Topical questions</p> |
| BUSINESS | |
| <p>Topics:</p> <p>The marketing mix – promotion and place</p> <p>Learning Objectives:</p> <p>To analyse the factors to consider when making promotion-mix decisions To evaluate the methods used to measure the effectiveness of promotional spending To evaluate the impact of developments in digital marketing</p> <p>Resources needed:</p> <p>Text Book Case studies with mark schemes</p> <p>Homework/Assignments:</p> <p>End of chapter questions</p> | |

