



## AL AIN JUNIORS SCHOOL

# LEARNING TRAILS

Grade: 12

Date: 12<sup>th</sup> – 16<sup>th</sup> January 2020

| Subjects                  | Lesson                           | Concepts   | Learning Objectives   | Homework   |
|---------------------------|----------------------------------|--|---|--|
| General Arabic            | مراجعة ما سبق<br>دراسته من النحو |  | أن يتعرف على القواعد النحوية  | كتابة موضوع تعبير عن<br>تطلعاته وآماله للعام الجديد  |
| Advanced Arabic           |                                  |  |   |  |
| Islamic Studies – Arabic  | مقاصد التشريع<br>الاسلامي        |  | يتعرف على مقاصد التشريع<br>الاسلامي<br>يستنتج وسائل حفظ مقاصد<br>التشريع الاسلامي                           | فوائد دراسة مقاصد الشريعة  |
| Islamic Studies – English | The value of<br>Shariah          | Importance of<br>Shariah   | Types of Shariah<br>Implementation of the<br>sunnah and shariah   | Write the importance<br>of sharaiah  |
| Math                      | Continuous<br>Random<br>Variable | Finding Mean,<br>Quartiles.  | To be able to find<br>constant value , using<br>pdf.  | Past Paper questions.  |
| Biology                   | Selection and<br>Evolution       | Explain how<br>molecular<br>evidence can<br>provide<br>relationships<br>between<br>species | Explain how new species<br>ay arise   | Solve the following<br>Past paper questions<br>M/J 2011 Paper 41<br>Q 8 ©<br>M/J 2012 paper 41<br>Q1 |
| Chemistry                 | Organic<br>chemistry             | Organic<br>nitrogen<br>compounds   | Reactions of amines and<br>amides<br><br>Comparing basicity of<br>ethylamine,<br>phenylamine and<br>ammonia | Text book questions  |
| Physics                   | Quantum<br>physics               | Line spectra,<br>Electron  | Recall equation<br>change in $E=hf$ ,   | Relevant past paper<br>questions from 2010   |



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|------------------|--|--|--|--|
|                  |  | transition in hydrogen atom, Band Theory   | difference between line emission and line absorption spectra, Differentiate Insulator, conductor and semiconductor based on band theory.   | to 2015  |
| IT               | Programming for the web.               | Demonstrate a range of object-based programming techniques.  | Recognise data types (including: number, string, Boolean, array, object).<br>carry out calculations and basic string manipulation.<br>Use arrays.  | Past paper questions.  |
| Business Studies | Inventory Management                   | Inventory holding costs  | Analyze the cost and benefits of holding inventory   | Case Studies <ul style="list-style-type: none"> <li>Inventory Management at Sports wise Equipements Plc</li> </ul> |
| Economics        | Government micro economic intervention | Elasticity of demand for labour<br>Factors affecting the demand for labour<br>Wage determination<br>Transfer earnings and rent | To evaluate the elasticity of demand for labour with the help of the diagram<br>To identify the factors affecting the demand for labour<br>To analyze the substitution effect and income effect with the help of the diagram<br>To explain the | Past paper questions – topic based   |



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|            |                  |   |  |   |
|------------|------------------|---|--|---|
|            |                  |   | <p>elasticity of supply of labour</p> <p>To analyze the wage determination in perfect markets with the help of the diagrams</p> <p>To analyze the transfer earnings and economic rent with the help of the diagram</p> |   |
| Accounting | Standard costing | Material, Labour, Sales and Overhead Variance | Calculate the variances to determine the degree of variance-Adverse or Favourable for future decision making   | Topical questions M/J 2017 and 2016 Paper 31,33 |

Class Teacher: \_\_\_\_\_