



## AL AIN JUNIORS SCHOOL

# LEARNING TRAILS

Grade: 11(Science Stream)

Week: 2

Date: 11<sup>th</sup> to 15<sup>th</sup> November 2018

Subjects	Class work	Homework
MEP (Moral Education Program)	State the concept of humanity	Read the article and state how UAE is working in promoting human rights and equality  <a href="https://www.mofa.gov.ae/EN/TheUAE/Pages/UAE-and-Human-Rights.aspx">https://www.mofa.gov.ae/EN/TheUAE/Pages/UAE-and-Human-Rights.aspx</a>
Arabic		
Islamic Studies – English		
Moral Science	Discussion : Moral challenges faced by the 'New generation'	
English	The Ailing Planet	Summary and Presentation on environment
Math	1. Derive the equations of straight lines in different forms. 2. Apply the different forms of equations of lines and solve the problems. 3. Angle between two lines, condition for the lines to be Parallel, Perpendicular, distance of a line from a point.	All odd numbered questions of NCERT text book.
Physics	<ul style="list-style-type: none"> <li>Explain degrees of freedom</li> <li>Analyze law of equipartition of energy (statement only) and application to specific heat capacities of gases</li> <li>Explain concept of mean free path</li> <li>Discuss Avogadro's number</li> </ul>	NCERT numerical related to the concept
Biology	<ul style="list-style-type: none"> <li>Analyse and explain human digestion, respiration and</li> </ul>	NCERT questions from 1 to 15



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	circulation	
Computer Science	<p>Arrays: Index position, elements of array.</p> <ul style="list-style-type: none"> <li>• Array Traversal</li> <li>• Linear Search</li> <li>• Binary Search</li> </ul>	<ul style="list-style-type: none"> <li>• Write programs to implement linear search and binary search.</li> <li>• Write a program to input the marks of main subjects and find the total, percentage and grade.</li> </ul>
Chemistry	<ul style="list-style-type: none"> <li>• Describe the position of hydrogen in the periodic table,</li> <li>• Depict the structure of water and acquire the knowledge about heavy water importance</li> <li>• Explain the various methods of preparation of hydrogen peroxide and its structure</li> </ul>	Research on hydrogen economy and important applications of hydrogen peroxide
Psychology	<ul style="list-style-type: none"> <li>• Describe the nature of thinking</li> <li>• Explain Building blocks of thought</li> <li>• Relate Culture and thinking</li> <li>• Discuss Process of thinking</li> <li>• Explain Problem solving</li> <li>• Demonstrate understanding of some cognitive process involved in problem solving.</li> </ul> <p>List out Obstacles to solving problem.</p>	Research and write notes on discussed topic

### Home work Schedule:

Days	Sunday	Monday	Tuesday	Wednesday	Thursday
Subjects	maths	Maths	Maths Computer Science	Maths Psychology English	Maths Physics



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