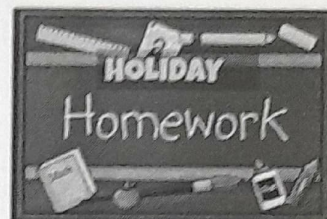




Dear Parents,  
Greetings from New Al Wurood!



**GRADE 12, SCIENCE – HOLIDAY ASSIGNMENT**

Subject	Assignment
PHYSICS	<p>Assignment 1-</p> <p><input type="checkbox"/> Completion of FIRST TERM Practical record work *4 Experiments PLUS 3 Activities .</p> <p><b>EXPERIMENTS</b></p> <ol style="list-style-type: none"><li>1) To determine resistivity of two / three wires by plotting a graph for potential difference versus current.</li><li>2) To find resistance of a given wire / standard resistor using metre bridge.</li><li>3) To verify the laws of combination (series) of resistances using a metre bridge.</li><li>4) To determine resistance of a galvanometer by half-deflection method and to find its figure of merit</li></ol> <p><b>ACTIVITIES</b></p> <ol style="list-style-type: none"><li>1) To measure resistance, voltage (AC/DC), current (AC) and check continuity of a given circuit using multimeter.</li><li>2) To assemble the components of a given electrical circuit.</li><li>3) To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram.</li></ol> <p>Assignment -2</p> <p><input type="checkbox"/> Planning and Preparation of Science Expo* Details of the Activities have been shared.</p>
CHEMISTRY	<p>Assignment 1-Completion of records</p> <ul style="list-style-type: none"><li>• 8 Salts.</li></ul> <p>Assignment -2</p> <ul style="list-style-type: none"><li>• Planning and Preparation of Science expo.</li></ul>
BIOLOGY	<p>Assignment 1-Completion of records.</p> <p><input type="checkbox"/> Prepare a temporary mount to observe pollen germination</p> <p><input type="checkbox"/> Collect and study soil from at least two different sites and study them for texture, moisture content, pH and water holding capacity. Correlate with the kinds of plants found in them</p>

	<input type="checkbox"/> Collect water from two different water bodies around you and study them for pH, clarity and presence of any living organism. <input type="checkbox"/> Study the plant population density by quadrant method <input type="checkbox"/> Isolate DNA from available plant material such as spinach, green pea seeds, papaya, etc. <input type="checkbox"/> Study the presence of suspended particulate matter in air at two widely different sites  Assignment -2 Planning and Preparation of Science expo.
<b>MATHEMATICS</b>	The following number of Math lab activities enlisted is to be completed as holiday assignment. Kindly refer to the Math lab activities shared previously through mail. Follow the instructions discussed in the classroom meticulously. Observation columns will be filled after completing the activity. Selected activities- 1,2,3,4,5,7,8,11,12,13
<b>COMPUTER SCIENCE</b>	<ul style="list-style-type: none"> <li>Practice 10 Python programs as per CBSE syllabus. Program pdf will be forwarded in Whatsapp Subject Group</li> </ul>
<b>ENTREPRENEURSHIP</b>	Any one project as per the C B S E guidelines. <b>(Guidelines for project are given in the CBSE Textbook.)</b>

**Note:** Holiday homework has been designed with the following objectives in mind:

1. To keep the children connected with the syllabus.
2. To enhance children's creativity and engage them constructively during the holidays.
3. To bring out the innate potential in children.

*Parents are the facilitators of the child at home and are requested to assist your child to do their holiday assignment and submit it on time after vacation as it will be **graded**.*

  
Principal

مدرسة الورود الجديدة العالمية بجدة  
 (قسم البنين) تحت إشراف وزارة التربية والتعليم  
 برخصيص رقم ٦١ س المنهج الهندي  
 NEW AL WUROOD INTERNATIONAL SCHOOL - JEDDAH  
 Affiliated to CBSE New Delhi - Affiliation No. 5730005

