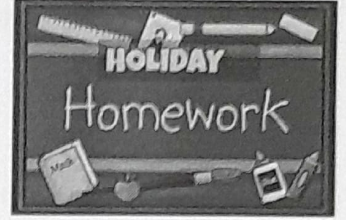




Dear Parents,
Greetings from New Al Wurood!



GRADE 11, SCIENCE – HOLIDAY ASSIGNMENT,

Subject	Assignment
PHYSICS	<p>Assignment 1-</p> <p>➤ Completion of Practical record work {4 Experiments) + 3 Activities</p> <p style="text-align: center;">SECTION- A</p> <ol style="list-style-type: none">1) To measure the diameter of a small spherical/cylindrical body and to measure the internal diameter and depth of a given beaker/calorimeter using Vernier Callipers and hence find its volume.2) To measure the diameter of a given wire and thickness of a given sheet using a screw gauge.3) To determine the volume of an irregular lamina using a screw gauge4) Using a simple pendulum, plot its L-T² graph and use it to find the effective length of the <p>*Details of the Activities have been shared.</p> <p>Assignment -2</p> <p>➤ Planning and Preparation of Science Expo</p>
CHEMISTRY	<p>Assignment 1-Completion of records.</p> <ul style="list-style-type: none"><input type="checkbox"/> Salt Analysis-5 salts<input type="checkbox"/> Volumetric Analysis-2, HCl vs Na₂CO₃ ,<input type="checkbox"/> Content Based Analysis. <p>Soft copy shall be shared in the mail.</p> <p>Assignment -2</p> <p>Planning and Preparation of Science expo.</p>
BIOLOGY	<p>Assignment 1-</p> <p>➤ Completion of Practical record work</p> <ol style="list-style-type: none">1) Experiment-1. Study and describe locally available common flowering plants, from family Solanaceae (Poaceae, Asteraceae or Brassicaceae can be substituted in case of

	<p>particular geographical location)</p> <p>2) Experiment-3 Study of osmosis by potato osmometer.</p> <p>3) Experiment-7 Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.</p> <p>4) Experiment-8 Separation of plant pigments through paper chromatography.</p> <p>5) Experiment-6 Comparative study of the rates of transpiration in the upper and lower surfaces of leaves</p> <p>6) Experiment-9 Study of the rate of respiration in flower buds/leaf tissue and germinating seeds.</p> <p>Assignment -2 Planning and Preparation of Science Expo</p>
MATHEMATICS	<p>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.</p> <p>Follow the instructions discussed in the classroom meticulously.</p> <p>Observation columns will be filled after completing the activity.</p> <p>Selected activities- 1,3,6,7,9,10,15,20,21,26,27.</p>
COMPUTER SCIENCE	<p>1. Assignment on Number System and their Conversions</p> <p>2. Assignment or Write up on</p> <ul style="list-style-type: none"> • Artificial Intelligence • Big Data • Internet of Things • Cloud Computing • Grid Computing • Block chains <p>3. Assignment on Problem Solving Techniques</p> <ul style="list-style-type: none"> • Algorithm • Flow Chart
ENTRPERENEURSHIP	<p>Prepare any one project work on the following:</p> <p>1. Visit of the District Industries Centre and prepare a report of activities and programs undertaken by them</p> <p>2. Conduct a case study of any entrepreneurial venture in your nearby area.</p> <p>(Guidelines for project are given in the CBSE Textbook.)</p>

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.

