



NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH
(Affiliated to CBSE, New Delhi- Affiliation No.: 5730008)

Dear Parents,
Greetings from New Al Wurood!



GRADE 12, SCIENCE – HOLIDAY ASSIGNMENT, 2021

Subject	Assignment
PHYSICS	Assignment 1- Completion of record work <input type="checkbox"/> 12 Experiments (6 Experiments from each section) (Details of the experiments have been uploaded in google classroom) Assignment -2 <input type="checkbox"/> Planning and Preparation of Science Expo
CHEMISTRY	Assignment 1-Completion of records <ul style="list-style-type: none">• 8 Salts.• 2 volumetric Analysis.• Content based Analysis-Total 13 Expts. Soft copy shall be shared through Google classroom. Assignment -2 <ul style="list-style-type: none">• Planning and Preparation of Science expo.
BIOLOGY	Assignment 1-Completion of records. <input type="checkbox"/> Prepare a temporary mount to observe pollen germination <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 <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 <input type="checkbox"/> Spotting: <input type="checkbox"/> T.S. of testis and T.S. of ovary through permanent slides (from grasshopper/mice). <input type="checkbox"/> T.S. of blastula through permanent slides (Mammalian <input type="checkbox"/> Controlled pollination - emasculation, tagging and bagging <input type="checkbox"/> Common disease causing organisms like Ascaris and Plasmodium

	<input type="checkbox"/> Two plants and two animals (models/virtual images) found in xeric conditions <input type="checkbox"/> Two plants and two animals (models/virtual images) found in aquatic conditions (Soft copy shall be shared through Google classroom) Assignment -2 Planning and Preparation of Science expo.
MATHEMATICS	The following number of Math lab activities enlisted are to 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 in then and there by us. Selected activities- 1,2,3,4,5,7,8,11,12,13
COMPUTER SCIENCE	Assignment 1 : Completion of Practical records <input type="checkbox"/> 10 Python programs List of programs will be shared in Google classroom. Assignment-2 : Project Brainstorming among the teams about project title and prepare a layout for ComputerScience Live Project. Guidelines will be shared in Google classroom.
ENTRPERENEURSHIP	<ul style="list-style-type: none"> • Project Work-I-Business Plan Project Work-II - Market Survey (New Product or Existing Product) (Project guide lines attached and Sample Projects Forwarded)

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**.*



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PRINCIPAL