



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

Dear Parents,



Greetings from New Al Wurood!

GRADE 11 SCIENCE – HOLIDAY ASSIGNMENT, 2021

Subject	Assignment
PHYSICS	Assignment 1- Completion of record work 12 Experiments (6 Experiments from each section) (Details of the experiments have been uploaded in Google classroom) Assignment -2 Planning and Preparation of Science Expo
CHEMISTRY	Assignment 1-Completion of records. <ul style="list-style-type: none">• Salt Analysis-5 salts• Volumetric Analysis-2, HCl vs Na₂CO₃, Permanganometric titration.• Content Based Analysis. Soft copy shall be shared in the Google classroom. Assignment -2 Planning and Preparation of Science expo. Details shall be shared in google class room
BIOLOGY	Assignment 1-Completion of records. <ul style="list-style-type: none">• Parts of a compound microscope• Study of osmosis by potato osmometer• Study of plasmolysis in epidermal peels• Study of distribution of stomata in the upper and lower surfaces of leaves• Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials.• Separation of plant pigments through paper chromatography• Study and describe the flowering plant of the families Solanaceae, SPOTTING: <ul style="list-style-type: none">• Specimens/slides/models and Identifying features of - <i>Amoeba</i>, <i>Hydra</i>, liverfluke, <i>Ascaris</i>, prawn, starfish, shark, rohu, and rabbit.• Specimens/slides/models and identification with reasons - Bacteria, <i>Spirogyra</i>, <i>Rhizopus</i>, mushroom, liverwort, one monocotyledonous plant, one dicotyledonous plant• Tissues and diversity in shape and size of plant cells (parenchyma, collenchymas, sclerenchyma, through temporary and permanent slides.• Tissues and diversity in shape and size of animal cells (smooth, skeletal and cardiac muscle fibers and mammalian blood smear) through temporary/permanent slides.• Mitosis in onion root tip cells from permanent slides• Human skeleton and different types of joints Assignment -2 Planning and Preparation of Science expo.

Contd.

MATH	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- 1,3,6,7,9,10,15,20,21,26,27.
COMPUTER SCIENCE	Assignment 1 : Completion of Practical records <ul style="list-style-type: none"> • 10 Python programs List of programs will be shared in Google classroom. Assignment-2 : Mini - Project Brainstorming among the teams about project title and prepare a layout for Computer Science Mini-Project. Guidelines will be shared in Google classroom.
ENTREPRENEURSHIP	Complete the project as per the guideline (Project guide line attached in Google class room.)

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