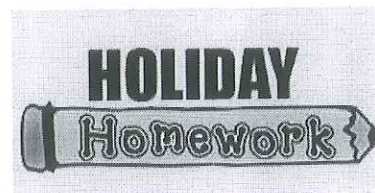




SILVER JUBILEE YEAR (1999-2023)
HOLIDAY HOMEWORK

Dear Parents,
Greetings from New Al Wurood!



GRADE 9 - HOLIDAY ASSIGNMENT, 2023

Subject	Assignment
English	“Childhood memories are timeless treasures of the heart.” Frame a story of your reminiscing childhood based on the chapter ‘My Childhood ‘
SCIENCE	ASSIGNMENT- I Completion of Physics Practical Records. (i)PHYSICS 1. Determination of density of solid (denser than water) by using a spring balance and a measuring cylinder. 2. Establishing the relation between the loss in weight of a solid when fully immersed in (a) tap water and (b) strongly salt water, with the weight of water displaced by it taking at least two different solids. 3. Verification of the laws of reflection of sound. 4. Determination of the speed of a pulse propagated through a stretched string/slinky. (ii)CHEMISTRY 1. Preparation of a) a true solution of common salt, sugar, and alum b) a suspension of soil, chalk powder, and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these based on (i) transparency (ii) filtration criterion (iii) stability 2. Preparation of a) A mixture b) A compound using iron filings and sulphur powder and distinguishing between these based on: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet (iii) behaviour towards carbon disulphide as a solvent (iv) effect of heat 3. Perform the following reactions and classify them as physical or chemical

	<p>changes:</p> <p>a) Iron with copper sulphate solution in water</p> <p>b) Burning of magnesium ribbon in air</p> <p>c) Zinc with dilute sulphuric acid</p> <p>d) Heating of copper sulphate crystals</p> <p>e) Sodium sulphate with barium chloride in the form of their solutions in water</p> <p>4. Determination of the melting point of ice and the boiling point of water.</p> <p>(iii) BIOLOGY</p> <p>*Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells & to record observations and draw their labeled diagrams.</p> <p>*Identification of Parenchyma, Collenchyma & Sclerenchyma tissues in plants, striped, smooth, and cardiac muscle fibers, and nerve cells in animals, from prepared slides. Draw their labeled diagrams.</p> <p>ASSIGNMENT-II</p> <p>* Preparation and planning for Science Expo 2023.</p>
SOCIAL SCIENCE	<p>A Project Work on Disaster Management.</p> <p>The project report can be handwritten or digital.</p>
MATH	<p>● Project – Contribution of Mathematicians:</p> <p><u>Rules for the project:</u></p> <p>a) 3 Mathematicians, photo compulsory</p> <p>b) Total- 7 pages</p> <p>c) Write only one side of the paper</p> <p>d) First page- Project name & student name and class</p> <p>e) Second page- Index</p> <p>f) Third page- Introduction of the project</p> <p>g) Fourth, Fifth, Sixth- Content of the project</p> <p>h) Seventh- Conclusion & Bibliography (List of books or documents relevant to the project or author)</p>
HINDI	<p>निम्नलिखित शीर्षकों पर अनुच्छेद लिखिए</p> <p>साबुन के लिए एक विज्ञापन तैयार कीजिये I</p> <p>महानगरीय जीवन-एक वरदान या अभिशाप - अनुच्छेद लिखिए I</p> <p>बदलती दुनिया में पीछे छूटते जीवन मूल्य - अनुच्छेद लिखिए I</p>
URDU	<p>۱۰ مختلف عنوان پر مضمون لکھیں</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.

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.

ASSIGNMENT No.II.

(Planning and preparation for Cluster Science expo during vacation)

SCIENCE EXPO-2023

(Classes 9-12)

OBJECTIVE:

The objectives of organizing Science Project Competition is to emphasis on the development of science and technology as a major instrument for achieving goals of self-reliance and socio economic and socio ecological development.

The main theme of Science Exhibition:

“UNDERSTANDING ECOSYSTEM FOR HEALTH AND WELL-BEING”

SUBTHEMES:

- 1) *Sub-theme I: Know your ecosystem*
- 2) *Sub-theme II: Fostering health, nutrition and well-being*
- 3) *Sub-theme III: Social and cultural practices for ecosystem and health*
- 4) *Sub-theme IV: Ecosystem based approach (EBA) for self-reliance*
- 5) *Sub-theme V: Technological innovation for ecosystem and health*

Note: There are two categories

(i) Junior (IX & X)

(ii) Senior (XI & XII)

RULES:

The exhibit /model include:

1. *Working/Attractive models to explain a concept, principle or a process.*
2. *An indigenous design of a machine /device*
3. *An innovative /inexpensive design or technique*

4. Application of basic principles of Science and Technology.
5. Scheme /design of a device or machine to reduce production cost .
6. Investigation based study.

INSTRUCTIONS:

1. Teams are already assigned containing 3 to 4 members in each team.
2. Choose you own project(idea) which connects with the main theme and subtheme as well.
3. Prepare some essential questions which could brainstorm your idea.
4. Predict your experimental outcome.
5. Formulate hypothesis based on the predictions
6. Select dependent and independent variable
7. Procure materials required for your project
8. Plan of action to execute the idea , for example circuit diagram / model experimental set up (graphical or digital set up), even you can prepare PPT to show how you are going to execute your Idea.

Note: IF possible you can present your working model /still model also if it is ready.

9. After the reopening of school , after vacation, each team has to submit your ground work done which are listed in the instructions with the help of PPT(Even you can present your model) if it is ready)

10. And then you can start the execution/assembling of your model.

Note: 1)For Classes(IX & X) ,this project will be considered as one of the SUBJECT ENRICHMENT ACTIVITY for SECOND TERM.

For Classes(XI & XII)This project will be considered as Investigatory project (based on the contents) (Physics,Chemistry ,Bio and Computer Science) as a part of Board practical examinations, So involvement of all the students is mandatory.

For queries and guidance you can contact your science teachers and regarding presentation you can contact English teachers.

Supporting website for your reference

<https://www.theedadvocate.org/18-of-the-best-12th-grade-science-projects-and-experiments/>

<https://science.wonderhowto.com/how-to/best-investigatory-projects-science-16-fun-easy-ideas-kickstart-your-project-0147689/>

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Regards,

Principal.



A handwritten signature in blue ink, consisting of several overlapping loops and lines, positioned to the right of the "Happy Holidays" graphic.