Summer Holiday Homework
Class – 9th

Holidays are about experiences and people, and turning into what you feel like doing at that moment. It's time to Relax, Reflect and Recharge!

Dear Parents/Students,

Kindly Note—

1. The Summer Break is scheduled from 27th MAY 2024 to 23rd JUNE 2024.

2. Regular classes will commence on 24th JUNE 2024 at Usual Time.

Plan out and complete the holiday homework in time. **In addition, revise the syllabus already completed**.

Please complete the work and submit it to the subject teachers in the first week of opening the school. Holiday's homework has been designed with the following objectives: To keep children connected with the syllabus.· To engage children constructively.· To help students prepare projects in consultation with the subject teacher.·

NOTE-- Holiday homework will be part of the subject enrichment activity for the First Term bearing 5 marks in each subject.

Hope to see you soon
Happy summers!

English

❖ Do complete the given worksheets of practice paper from page no.11 to 60 (Unseen passage).

❖ Maintain a personal diary and write two new words everyday along with their examples (sentences).

Science (Chemistry)

❖ Write down the following practicals in the lab manual
   1. Preparation of:
   a) a proper 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 on the basis of
   –transparency
   –filtration criterion
   –stability
❖ 2. Preparation of
   a) A mixture   b) A compound
   Using iron filings and Sulphur powder and distinguishing between these on the basis of:
   (i) Appearance, i.e., homogeneity and heterogeneity
   (ii) Behavior towards a magnet
   (iii) Behavior towards carbon disulphide as a solvent
   (iv) Effect of heat
❖ 3. Separation of the components of a mixture of sand, common salt, and ammonium chloride (or camphor).

❖ 4. Perform the following reactions and classify them as physical or chemical changes:
❖ a) Iron with copper sulphate solution in water
❖ b) Burning of magnesium ribbon in air
❖ c) Zinc with dilute sulphuric acid
❖ d) Heating of copper sulphate crystals
❖ e) Sodium sulphate with barium chloride in the form of their solutions in water.

Biology

❖ Write down the given practical In your lab manuals

· Preparation of stained temporary mounts of

(a) Onion peel   (b) Human cheek cells and to record observations and draw their labelled diagrams.

·Identification of Parenchyma, Collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibers and nerve cells in animals from prepared slides. Draw their labelled diagrams.

❖ Draw the diagrams of the following and write a paragraph on A3.

. Plastids   . Mitochondria   . Plant cell

. Animal cell   . Cytoplasm   . Golgi body

. Meiosis   . Mitosis   . Nucleus

. Endoplasmic Reticulum

Physics

❖ Write down the given practical In your lab manuals

1. Verification of the Laws of reflection of sound.

2. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.

3. Establishing the relation between the loss in weight of a solid when fully immersed in
a) Tap water
b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.

4. Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).

5. Make a project on Motion.

Note- Kindly use A4 sheets bind folder to make project.

Social Science

- ❖ 1. Fill the following practice lesson in the lab manual
    Geography....L-1, 2
    History..... L-1
    Civics..... L-1
    Economics.....L-1

- ❖ 2. Prepare a files or a model on a natural disaster.
    (a) Earthquake------------ Roll no- 1 to 5
    (b) Flood– ----------------- Roll no- 6 to 10
    (c) Drought-- - ----------- Roll no- 11 to 15
    (d) Cyclone-– ----------- - Roll no-16 to 20
    (e) Tsunamis- – ----------Roll no-21 to 25
    (f) Wildfires- – ----------- Roll no-26 to 30
    (g) Landslides-– ---------- Roll no-31

Mathematics

Complete the given Lab Activities in Lab Manual.

1.1. Square root spiral:- To locate the square root of natural numbers and obtain the square root spiral using Graduated strips.

1.2. To verify the identity $(a + b)2 = a2 + 2ab + b2$ Experimentally.

1.3. To verify the identity $a3 - b3 = (a - b)(a2 + ab + b2)$ using unit cubes.

1.4. To obtain the mirror image of a given geometrical figure with respect to x-axis and y-axis.

1.5. To obtain a linear equation and draw a graph which represents the linear equation.

1.6. To verify the mid- point theorem for a triangle, experimentally.

1.7. To show that the area of a triangle is half the product of base and the height using paper cutting and pasting.

1.8. To show that the figure obtained by joining the mid points of consecutive sides of a quadrilateral is a parallelogram.

1.9. To make two right circular cylinders using two rectangular sheets of same dimensions and compare their volumes.

1.10. To draw histograms for classes of equal widths and varying width

हिन्दी

निम्नलिखित दिए गए कवियों के नाम उनकी जीवनी और कविताओं पर एक पुस्तक पत्रिका तैयार करें पृष्ठ संख्या 25 से 30 होनी चाहिए।

(वर्ग – अ)

कवि	अनुक्रमांक
प्रेमचंद	1 - 8
सूरदास	9 - 17
हरिवंश राय बच्चन	18 - 27

(वर्ग – ब)

कवि	अनुक्रमांक
माखनलाल चतुर्वेदी	1 - 10
सरोजिनी कोकिला	11 - 20
नागार्जुन	21 - 29

Information Technology

Create A Word Document On "Self-management ''Create the Document by following given styles as Instructed:

· Headings: Font Name: Times New Roman, Size: 24, Colour: Red

· Paragraph: Apply Style Text Body From The Style Gallery

· Quotes: Font Name: Broadway, Size: 16, Colour: Black, Alignment: Center

· Add Images Wherever Needed