



**RAMJAS SCHOOL ANAND PARVAT**  
**HOLIDAY HOMEWORK: 2021-2022**  
**CLASS IX**

**ENGLISH**

1. Create a Google form and conduct a survey on **ANY ONE** of the following topics.

- Eco friendly products used by people
- Rising digital awareness and usage
- Time Management ways followed by people

Sample Size- 30 people

Present the data in an analytical paragraph in 100 words.

Compile everything in a **PowerPoint Presentation** using the given format. Save in your Google drive as Shared file with open access and mail it your teacher as an attached file.

Slide 1- Topic, Name of the student, class and roll number

Slide 2- Questionnaire designed to conduct the survey

Slide 3- Data obtained in form of a bar graph or pie chart

Slide 4- Analytical paragraph based on the graph or chart

Slide 5 – Your Experience in conducting survey , collecting data and analysing it.

Slide 5- Acknowledgement

2. Take some useless product to convert it into either a decoration piece using your Creative Instinct or a useful product like a any organiser. Make a short video or take photographs of yourself while creating the Best out of Waste.

Use the given format to make a chart and complete the information.

*Picture of the Art Piece created by you*

Name \_\_\_\_\_

Time Spent: \_\_\_\_\_

Things used: \_\_\_\_\_

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*Procedure:*

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The procedure should be written in **Passive Voice**. Make a PDF of the above chart and compress to 4MB and mail it to [alka.v@ramjasap.edu.in](mailto:alka.v@ramjasap.edu.in) along with the video or pictures clicked while preparing the dish. The due date of submission is **7 June 2021**

3. Reading Skill – Read Malgudi Days by RK Laxman

**All questions are compulsory and their marks will be counted in S.E. and M.A. for Term 1**

## **HINDI**

नोट:- कार्य अपनी विद्यालय की उत्तर पुस्तिका में ही करें।

1- कहानी की किसी पुस्तक में से कोई एक कहानी लिखें या काट कर चिपकाए तथा

उस कहानी को संवाद रूप में लिखें

2- नारा लेखन (स्लोगन) देश भक्ति से संबंधित एक नारा लिखें।

शिक्षा का महत्व बताते हुए एक नारा लिखें।

3-अपनी व्याकरण पुस्तक में से परीक्षा के लिए याद करें- पर्यायवाची शब्द(1-50)

विलोम शब्द (1-50)

श्रुतिसम शब्द (1-40)

4. कक्षा में पढ़ाए गए पाठों की पुनरावृत्ति करें।

## **MATHS**

1. Revise : Chapter 1 (Number System)
  
2. Do the following questions
  - (I) Rationalise the denominator:  
 $(\sqrt{6} + \sqrt{3})/(\sqrt{6} - \sqrt{3})$  [ Ans.  $3 + 2\sqrt{2}$  ]
  
  - (II) If  $x = 9 + 4\sqrt{5}$ ; find the value of  $x + 1/x$  [Ans. 18]
  
  - (III) Representation  $\sqrt{3}$  on the number line
  
  - (IV) If  $(\sqrt{3} + \sqrt{2})/(\sqrt{3} - 2) = x + y\sqrt{6}$ , find the value of x and y. [ Ans.  $x = 5, y = 2$  ]
  
  - (V) Find a rational number and an irrational number between  $5/7$  and  $9/7$ .
  
3. Project: Construct the square root spiral upto  $\sqrt{7}$
  
4. Project: Draw the following co-ordinate on a graph sheet A ( -2, 0), B (0, 2), C(2, 0) and D(0, -2). Name the figure by joining them. Also find it's area.

## **SCIENCE**

### **PHYSICS**

- A. Prepare a project on " Different types of motions of an object". Use A4 size sheets. The project should be of 5 to 6 pages.
- B. Answer the following questions in your physics notebook.
  - Q1. Define motion of an object.

Q2. The state of rest and motion is relative. Comment.

Q3. Name any five physical quantities and give their units.

Q4. Differentiate between distance and displacement.

Q5. Have you ever experienced that the train in which you are sitting appears to move while it is at rest? Share your experience.

## **BIOLOGY**

**NOTE- To be done on A-3 sheet**

**Multiple assessment activity – visual presentation**

Draw a diagram of:

Plant Cell (Even Roll Nos.)

Animal Cell (Odd Roll Nos.)

on A-3 sheet. Give the diagram a 3-D effect using waste material (biodegradable & non-biodegradable). Avoid the use of pulses and grains. Label the diagram. Presentation should be colourful and creative and neat.

## **CHEMISTRY**

1. Prepare a power point presentation consisting of 10-15 slides on the topics allotted to you as per your roll number. The slides can include activities, interesting videos, fun, facts etc.

1. Roll no: 1-22 Characteristics of particles of matter and states of matter
2. Roll no : 23-46 Change of states of matter and evaporation

## **SOCIAL SCIENCE**

**Disaster Management**

**Students of Class IX class have to submit a handwritten project on;**

**I. “Prevention and Mitigation of Common Disasters in India”. Select any one the topic for your project.**

- Earthquake
- Flood
- Any man – made disaster

**Based on your selection from above, enumerate the following in your project:**

- Meaning
- Causes
- Prevention and mitigation measure

**Give an example of any one of the Disasters that you have chosen to work upon & provide a detailed report on it.**

**General Instructions:**

1. The project should be hand written.
2. It should be well presented, researched, and pictorial.
3. The project should consist of a Cover page, table of contents, acknowledgements, bibliography and headings.
4. The project should be done on A4 size sheets.
5. The project should not exceed 15 pages.
6. The distribution of marks for the Project Work is on content accuracy, originality, presentation and creativity.

**II. Map Activity – Subject -Geography (On the Outline Political Map of India)**

**Chapter-1: India-Size And Location (LOCATE AND LABEL)**

- Indian States with Capitals, Tropic of Cancer, Standard Meridian.  
(To be done in the map book)