



# COLUMBIA FOUNDATION SCHOOL

*D – Block, Vikas Puri, New Delhi - 110018*

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## HOLIDAY HOMEWORK - CLASS IX

### **MATHEMATICS**

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1. Do the assignments of Chapter 1 and chapter 2 uploaded on school website in assignment notebook.
2. Revise Chapter 1 and Chapter 2 with all examples from NCERT.
3. Learn three new tricks to do calculation faster and write them on A4 size sheet.
4. Prepare a working or non working model with real life application of mathematics by using waste material available at home.

### **SOCIAL SCIENCE**

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1. Revise the syllabus completed so far in the class
2. Project work/model/chart/poster making has to be done according to Roll No.

#### Disaster management:

Prepare charts on disaster management which should include causes, Do's, Don'ts effects and case study of the related disaster.

- |                   |   |
|-------------------|---|
| 1. Roll no. 1-5   | Earthquake                              |
| 2. Roll no. 7-12  | Flood                                   |
| 3. Roll no. 13-18 | Cyclone                                 |
| 4. Roll no. 19-24 | Landslide                               |
| 5. Roll no. 25-30 | Fire                                    |
| 6. Roll no. 31-36 | Nuclear Explosion                       |
| 7. Roll no. 37-43 | Chemical disaster / Biological disaster |

(For class IX – C)

#### A. Minerals

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|---|----------------|
| i. Model on classification of minerals  | Roll no. 1-5   |
| ii. Model on occurrence/origin of minerals  | Roll no. 6-10  |
| iii. Poster showing map on minerals found in different regions of India and world | Roll no. 11-15 |
| iv. Chart on the uses of minerals   | Roll no. 16-20 |
| v. Poster on conservation of energy resources                                     | Roll no. 21-25 |
| vi. Model on alternative sources of energy  | Roll no. 26-32 |
| vii. Collage on mining hazards and safety measures                                | Roll no. 32-38 |

## SCIENCE

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- 1) Complete the assignments provided for each Physics, Chemistry and Biology in the respective notebooks.
- 2) Revise thoroughly whatever is done in the class.
- 3) Prepare a **Model** based on any innovative idea on judicious use of resources
- 4)\* For Class IX A

Prepare a **Project Report** on the topic given below according to your class **Roll nos.** Include the following points while preparing the report.

1. About the Person
2. Source of Inspiration
3. Moments of failure
4. Their revolutionary work with respect to Nature

- Roll No. 1 to 4: Water man of India(River Revolution)
- Roll No. 5 to 8: Saleem Ali ( Bird man of India)
- Roll No. 9 to 12: Bio Toilets( Mapuskar)
- Roll No. 13 to 16: Chewang Norphel (Artificial Glaciers)
- Roll No. 17 to 20: Jadav Payeng
- Roll No. 21 to 24: Dr. Rani Bang
- Roll No. 25 to 28: Rajesh Naik (Organic Farms)
- Roll No. 29 to 32: Mahima & Vijendra Shekhawat (Haathi Chaap)
- Roll No. 33 to 36: Siddappa (Generating Electricity)
- Roll No. 37 to 40: Biodegradable Sanitary Napkins
- Roll No. 41 to 44: Rajinder Singh (Founder of Tarun Bharat Sangh)

- 4) For Class IX B

Prepare a **Project Report** on the topic given below according to your class

### **Roll No.**

- Roll No. 1 to 4: Procedure of E- Waste management
- Roll No. 5 to 8: E- waste Management in India
- Roll No. 9 to 12: Comparison of E- waste management in India with any other country
- Roll No. 13 to 16: Traditional and Modern ways of E- waste Management.
- Roll No. 17 to 20: Waste Mobile Phone- Its components, their disposal and recycling.
- Roll No. 21 to 24: Waste Television- Its components, their disposal and recycling.
- Roll No. 25 to 28: Waste Keyboard- Its components, their disposal and recycling.
- Roll No. 29 to 32: Waste Electric fan- Its components, their disposal and recycling.
- Roll No. 33 to 36: Waste Stabilizer- Its components, their disposal and recycling.
- Roll No. 37 to 40: Waste Electric Iron- Its components, their disposal & recycling.
- Roll No. 41 to 44: Waste C.P.U.- Its components, their disposal and recycling.

## ENGLISH

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1. Read a novel of your choice and make a project report on the novel that you read.

\*\*\*Points to remember

- Make a beautiful cover page, of the novel, for your project.
  - Write the summary of the novel.
  - Describe your favourite character in your own words.
  - Critically analyse the novel.
2. Read newspaper daily and paste different types of notices from the newspaper in your copy.
3. Write a poem or short story on conservation of natural resources /conservation of nature.

## COMPUTER APPLICATIONS

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Prepare a chart on any of the following topic:

- i. Cloud computing
- ii. Cyber safety
- iii. Artificial intelligence
- iv. Computer networking
- v. Social networking
- vi. Computer system(hardware & software)
- vii. Various shortcuts in Ms-word

NOTE:

- Prepare an attractive chart on any one topic.
- Chart may include 3-D effect in the pictures.
- Do not use thermocol, you may use mount board.
- Chart may include written content as well as picture.

*Those students who have collected waste material for creating best out of e-waste are exempted from this home work, but they have to submit the item that they have created from e-waste.*

ग्रीष्म अवकाश - गृहकार्य  
कक्षा - नवीं

मानव संसाधन के निम्नलिखित में -  
शिक्षा और स्वास्थ्य की भूमिका पर अपने  
विचार प्रकट कीजिए।

नोट - इसके लिए किसी कार्डबोर्ड अथवा  
अन्य वस्तुओं को प्रस्तुतीकरण के उपयोग  
में लार्स ~~जैसे~~ टाइल, पुरानी प्लेट, पुराने  
शादी के कार्ड, पुरानी बोटल आदि।

गृहकार्य असाइमेंट  
कक्षा : नवीं

1. अपठित गद्यांश - पृष्ठ नं० 29  
अभ्यास - 12 और 13
2. अपठित काव्यांश - पृष्ठ नं० - 37  
अभ्यास कार्य - 8 और 9
3. अनुच्छेद लेखन -  
(1) आशिक्षा एक कलंक।  
(2) संघर्ष ही जीवन की कसौटी है।  
(3) हिंदी बनी दिंग्लिश।