

# KENDRIYA VIDYALAYA GOLDEN ROCK

## Class IX Holiday Home Work

### English:

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#### 1. Reading:

Read any one of the following books:

1. Coolie by Mulk Raj Anand
2. Kabuliwala by Rabindranath Tagore
3. The Jungle Book by Rudyard Kipling

After reading, write a Book Review in about 100–150 words.

#### 2. Writing Skills:

Write a Formal Letter to the Editor of a newspaper about the importance of saving water in your locality.

Write a Descriptive Paragraph on A Day Without Electricity. (120–150 words).

#### 3. Speaking Activity:

Prepare a 1-minute speech on any one of the following topics:

- i. Importance of Mental Health
- ii. The Role of Youth in Nation Building
- iii. My Vision for a Better World.

#### 4. Vocabulary Building:

Create a Mini-Dictionary:

Choose 40 new English words from your Literature Textbook.

Write the meaning and frame one sentence for each word.

#### 5. Grammar Practice:

Write one example sentence for each tenses (12).

### Hindi:

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1 पशु पक्षियों से संबंधित एक कहानी लिखिए।

2 यात्रा वृत्तांत के आधार पर तिब्बत की स्थिति के बारे में लिखिए।

3 कबीर के धार्मिक और सांप्रदायिक सद्भाव संबंधी लिखिए।

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## Maths:

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### SUBJECT ENRICHMENT ACTIVITY

"Mathematician's Biography" about yourself( Write on A4 sheets)

You have spent many hours in different Mathematics classes over the past years. Some of your experiences have been positive whereas some may have been challenging.

Let's write a: " Mathematician's Biography" about yourself based on the following criteria:

1. The first paragraph should introduce your biography. Use an interesting opening sentence.
2. In the second paragraph write your best and the worst of your class in a few sentences. Be generic in your views.
3. In your third paragraph write at least two strategies you have used to solve a problem mathematically.
4. In the final paragraph share what are you looking forward to and your worries about mathematics in this class.
5. Use complete sentences to express yourself.

### WORKSHEET ( Write on A4 sheets )

1. Find 2 rational and 2 irrational numbers between 4 and 5.
2. Locate  $\sqrt{5}$  on a number line.
3. Find two irrational numbers between 0.1 and 0.12
4. Find the decimal expansion of  $11/17$ .
5. Give an example for each, if two irrational numbers, whose
  - (i) difference is a rational number.

(ii) difference is an irrational number.

(iii) sum is a rational number.

(iv) sum is an irrational number.

(v) product is a rational number,

(vi) product is an irrational number.

(vii) quotient is a rational number.

(viii) quotient is an irrational number.

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7. Rationalise the denominator of  $\frac{4}{\sqrt{7}+\sqrt{3}}$

8. Simplify:  $(\sqrt{5} + 2\sqrt{3})(\sqrt{5} - 2\sqrt{3})$

9. Solve: (i)  $(16^{-1/5})^{5/2}$  (ii)  $(0.001)^{1/3}$

10. What number replaces the question mark '?'

6 8 3

9 5 1

7 ? 4

11. What comes next in the sequence?

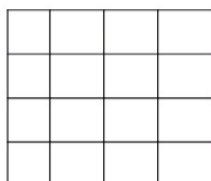
1 + 5 = 18

2 + 10 = 36

3 + 15 = 54

4 + 20 = ?

12. Fig. shows a four-by-four square. How many squares are there in all?



13. The adjacent histogram shows weekly wages (in rupees) of workers in a factory.

From the histogram answer the following

i. In which wage -group are the largest number of workers being kept? What is their number?

ii. What is the amount which is obtained by the least number of workers? What is the number of such workers?

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## SST

### # Subject Enrichment Activity:

1. Read all the chapters of History and Political Science book.
2. Compile the map locations and identification for all the chapters of History and Geography given in the syllabus by filing them in the map of India.

# Artificial Intelligence

## Topic:

"AI Project Lifecycle with Consideration of Ethics and Morality"

## Instructions:

1. Choose a problem that you want to solve using Artificial Intelligence. This will be the base for your project idea. (Use your creativity – make your own unique concept!) ([Ex: A Hotel Running in loss \(do not use this example\)](#))

2. Apply the 6 stages of the AI Project Cycle to your chosen project. The six stages are:

- Problem Scoping
- Data Acquisition
- Data Exploration
- Modelling
- Evaluation
- Deployment

3. Clearly mention how you will follow ethics and morality in the development of your AI solution.

- You must include at least one ethical and one moral principle that you will follow.

4. Ensure your presentation is neat, well-organized, and easy to understand.

5. Copying from classmates is strictly not allowed. Plagiarism will result in loss of marks.

6. Submission is due on the first day after school reopens.

7. Be prepared to present and explain your project in class.

This assignment will be counted towards your internal marks, so give it your best effort!

*Wishing you a productive and creative holiday!*

CLASS – IX(HHW)

1.शब्दरूपाणि –

बालिका , अस्मद् , युष्मद् ,

2. धातुरूपाणि –

पठ् , गम् ,

3. उचितसर्वनामपदैः वाक्यं निर्माणं कुरुत

युष्माकम् , आवयोः युवयोः अस्माकम्

क. एषः.....विद्यालयः ।

ख. एषा ..... अध्यापिका ।

ग. भारतम् ..... देशः ।

घ. एतानि..... पुस्तकानि ।

4. कोष्ठकात् उचितपदं चित्वा रिक्तस्थानानि पूरयत -

क. ....अहम्.....पठामि । (वयम् / अहम्)

ख ..... गच्छथः । (युवाम् / यूयम् )

ग. .... क्रीडनकानि । (युष्मान् / युष्माकम् )

घ. .... छात्रे स्वः । (वयम् / आवाम् )

5. मञ्जूषातः पर्यायवाचि पदानि चित्वा लिखत

पिपासा , रविः , वस्त्राणि

वसनानि -----

सूर्यः -----

तृषा -----

6. शब्दरूपे रिक्तस्थानानि पूरयत -

	एकवचनम्	द्विवचनम्	बहुवचनम्
पञ्चमीविभक्ति	.....	बालकाभ्याम्	बालकेभ्यः
षष्ठीविभक्ति	.....	बालकयोः	.....

7. एकवचनात् बहुवचने परिवर्तनं कुरुत-

ते , यूयम् , युष्माकम् , वयम् , अस्माकम् , ताः

एकवचनम्	-	बहुवचनम्	एकवचनम्	-	बहुवचनम्
म्					
क. सः	-	.....	घ अहम्	-	.....
ख. त्वम्	-	.....	ङ मम	-	.....
ग. तव	-	.....	च सा	-	.....