

# HOLIDAY HOMEWORK

2022-2023

CLASS IX

SUBJECT: ENGLISH

1. PORTFOLIO- PREPARE A PORTFOLIO WITH THE FOLLOWING

- Introduction
- My strengths
- I need to improve on...
- My achievements
- I have participated in...
- The books I have read
- The book I wish to read

2. Include your Letter to The Prime Minister about your desire to support, "The Need to Conserve Soil" campaign launched by Isha Foundation (in the portfolio).

3. DICTIONARY Find 3 new words every day for 15 days, write these words with their meanings on ruled A4 sheets and attach these sheets in a folder.

4. DESIGN YOUR OWN NEWSPAPER- The newspaper should have five sections: (one page each). Use A4 sized sheets

i) Headlines-news around you that you think has made headlines (You can also attach pictures) For eg-A Tree Plantation Drive in your society, write about that event, take pictures and add your views) eg-Lost and Found classifieds Someone in your society has lost their pet dog/cat-write a classified ad in your newspaper related to this

ii) Creative Corner- Your own poetry or story

iii) Sports- A report of a game you played or witnessed.

iv) Entertainment (jokes, funny incidents Games Puzzles)

Parameters for Assessment Quality of Content, Originality, and Presentation.

**\*Make a separate folder for the third and fourth sheet.**

## ग्रीष्मावकाश गृहकार्य 2022-23

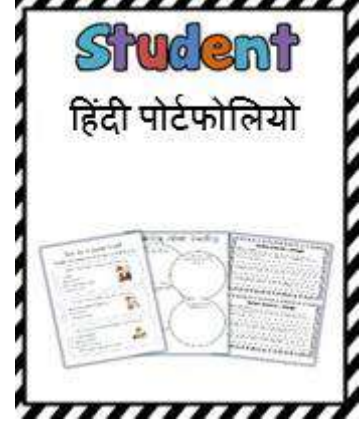
### कक्षा - नौवीं विषय - हिंदी

#### 1. हिंदी पोर्टफोलियो -

कक्षा में दी गई सूचनाओं के अनुसार हिंदी पोर्टफोलियो बनाएँ।

पोर्टफोलियो के मुद्दे -

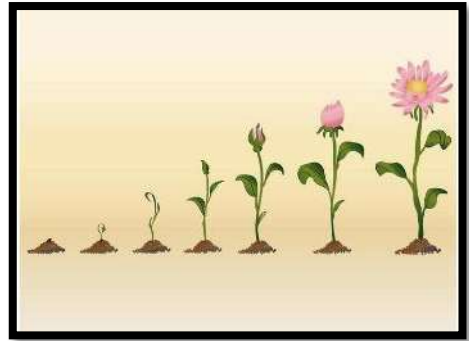
- विद्यालय का नाम व लोगो
- विद्यार्थी व परिवार का परिचय
- मेरी रुचि -
- मेरा लक्ष्य -
- मेरी क्षमताएँ -
- मेरी उपलब्धियाँ -
- मेरे द्वारा पढ़ी गई पुस्तकें-



- #### 2. विद्यालय में विद्यार्थी परिषद के चुनाव के लिए हो रही चुनावी प्रक्रिया और संपूर्ण चुनाव का विवरण देते हुए एक रिपोर्ट लिखिए।



- #### 3 इन छुट्टियों में कोई सब्जी फल या अनाज उगाएँ । हर सप्ताह उसकी फोटो लेकर कॉपी में चिपकाएँ । उसके उगाने की प्रक्रिया तथा मिट्टी संरक्षण के उपाय बताते हुए अपने अनुभव लिखिए।



# HOLIDAY HOMEWORK

2022-2023

CLASS IX

SUBJECT: MATHEMATICS

DA mind map is a diagram used to visually organise information in a hierarchy , showing relationship among the pieces of the whole . Prepare a mind map of chapter 1 Number system in your class work notebook.

```
graph TD
    Numbers --> Real
    Numbers --> Complex
    Real --> Rational
    Real --> Irrational
    Rational --> Integer
    Rational --> Fraction
    Integer --> Whole
    Integer --> Negative
    Whole --> Natural
    Whole --> 0
    Natural --> Even
    Natural --> Odd
    Prime
    Co-prime
    Fraction --> Proper
    Fraction --> Improper
    Composite
    perfect
```

### Number System

**Numbers**

**Rational Numbers**  
If p and q are integers & q ≠ 0  
The Rational Numbers are all the numbers that can be expressed in the form of  $\frac{p}{q}$  where p and q are integers & q ≠ 0

**Irrational Number**  
A number is called an Irrational Number, if it cannot be written in the form  $\frac{p}{q}$ , where p & q are integers and q ≠ 0.  
All Non-terminating & Non-repeating decimal numbers are Irrational numbers.  
E.g.  $\sqrt{2}, \sqrt{3}, \sqrt{5}, \sqrt{7}, \pi$ .  
0.12342678954253419 ... etc.

**Rational numbers includes:-**

1. Fractions
2. Terminating Decimal Numbers
3. Non - terminating & Repeating Decimal Numbers

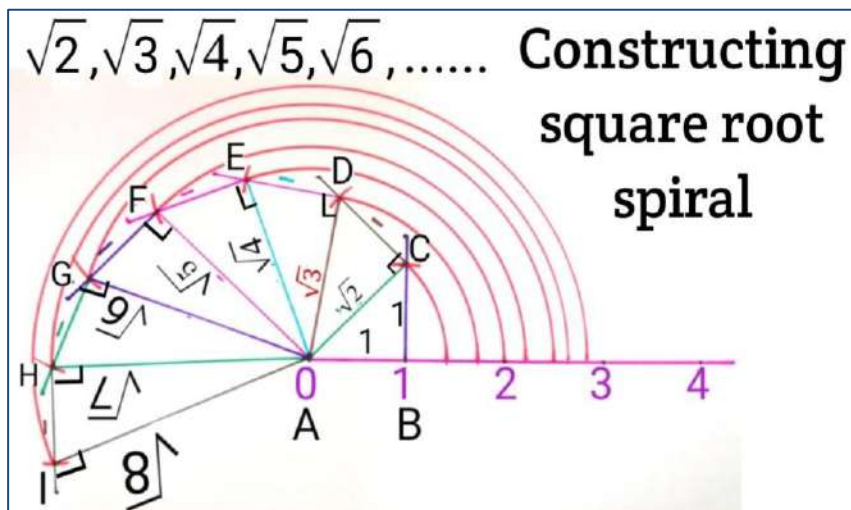
**Note:-** There are infinitely many rational numbers between any two rational numbers.

II) Maths Activity Notebook

Represent the given irrational numbers on number line and justify the construction.

a)  $\sqrt{20} = \sqrt{4^2 + 2^2}$

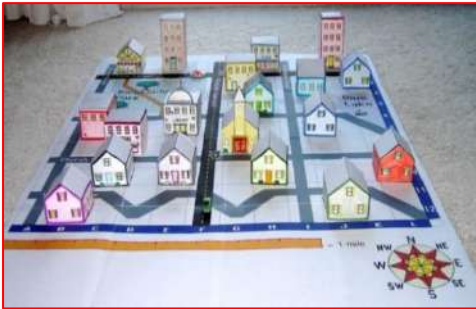
b)  $\sqrt{57} = \sqrt{7^2 + 2^2 + 2^2}$



III) CREATIVE SECTION -

Model Making - Planning to construct.



TOPICS	INFORMATION TO BE GATHERED	ACTIVITY TO BE DONE
	<p>Observe the structures and plans of the buildings around you. Ex- Own House, Society, School, Shopping complex, etc.</p>	<p>Prepare a model of a house/School/Shopping complex using different 3D shapes with the innovative changes which you would like to incorporate.</p>

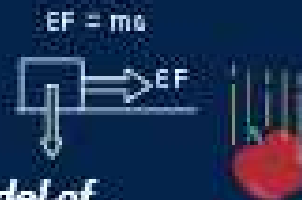
Materials for making model - paper pulp, waste material, clay, etc. The models should be comparatively bigger.

# HOLIDAY HOMEWORK: SCIENCE

2022-23

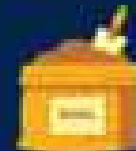
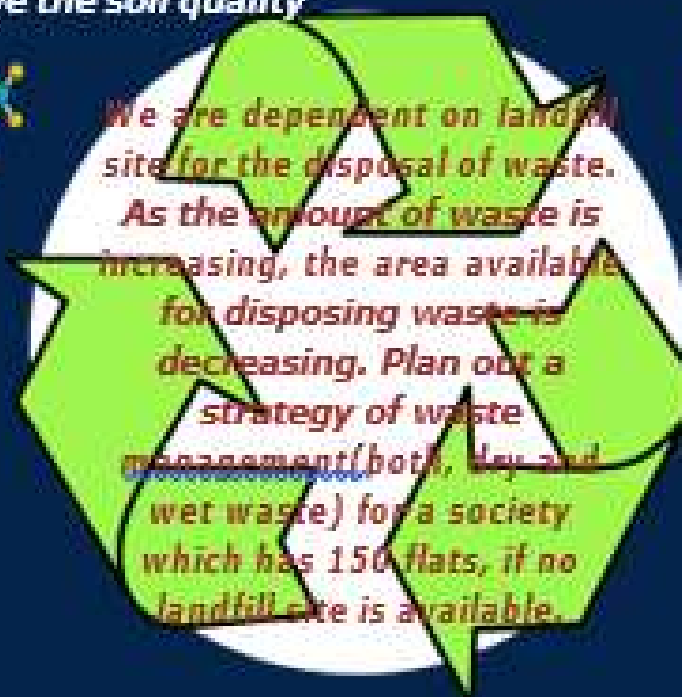
CLASS IX

- *Make a handmade educational toy demonstrating motion*
- *Make a clay model or paper mache model of plant/animal cell*
- *AIP: Gather information on flora and fauna in the state of Odisha*
- *Practise diagrams*  
*Maintain the lab notebook*



## SOIL SAMPLE

- *Collect soil samples from different places (garden soil, roadside soil, river bank, pottery soil, crop field soil, etc). Find out their pollution level. Suggest measures to improve the soil quality*



**HOLIDAY HOMEWORK**  
**2022-2023**  
**CLASS IX**  
**SUBJECT: SOCIAL SCIENCE**

1) Prepare a Project Report on, “**Effects of Russia-Ukraine War**”.

Refer to the topics given below and choose any two :

i. **Social Effects:**

- a) Loss of life (Human Resource)
- b) Loss of Family.
- c) Effect on children
- d) Education.

ii. **Climatic/Environmental effects:**

- a) Climate
- b) Water
- c) Atmosphere
- d) Soil
- e) Flora
- f) Fauna

iii. **Economy.**

2. Project Work-Disaster management:-The students will choose a recent human made or a natural disaster and write a research report on it, (max 10-12 pages)with illustration,data and verified information, marks distribution-Content(2),Presentation-(2) and Viva .
3. Prepare a dictionary of new words from the first chapter of History, Geography, Economics and Democratic Politics.

## **HOLIDAY HOMEWORK**

**2022-2023**

**CLASS IX**

### **SUBJECT: INFORMATION TECHNOLOGY**

- **Create a game with the help of any game development app or software** ( Eg : Microsoft Makecode, Gamesalad, Unity etc)
  - + Recording of the project /game ( Maximum 5 min Duration)
  - + Brief description of the project/game. Voice over can be done in English or Hindi.
  - + File saving format Student name \_class & section
  - + Upload your project/game file to Google Drive , OneDrive or any other cloud storage and share the link in below given Google form.
  - + <https://forms.gle/8cqc3XZ6A2ya6sxi7>

**OR**

- **Make a video/movie for Effective Communication**

Key Topics

- + Types of Communication.
- + Principles of Effective Communication.

**Follow the given Instructions**

- + Students should use their own voice for voice over. Voice over can be done in English or Hindi.
  - + Maximum duration of video 5 min
  - + File saving format Student name \_class & section
  - + Upload your project/game file to Google Drive , OneDrive or any other cloud storage and share the link in below given Google form.
- <https://forms.gle/8cqc3XZ6A2ya6sxi7>

**OR**

- **Create a Power Point Presentation (PPT) for Stress Management Techniques.**

- Students will do Deep breathing or any other relaxing exercise on daily basis .
- Shoot a small video and insert it in PPT.

**Follow the given Instructions:**

- ✚ File saving format Student name \_class & section
- ✚ Upload your project/game file to Google Drive , OneDrive or any other cloud storage and share the link in below given Google form.

<https://forms.gle/8cqc3XZ6A2ya6sxi7>





## ग्रीष्मावकाश-गृहकार्यम्

विषयः – संस्कृतम्

1) एकं विषयम् अधिकृत्य मौलिकलेखं(article) लिखत।

यथा- देशः, माता, पिता, गुरुः, विद्या, पर्यावरणम्, योगः, समयस्य सदुपयोगः, शिक्षा, अनुशासनम् इत्यादयः।

2) निवेशसूचिका(पोर्टफोलियो)- निम्नलिखितं विषयं अधिकृत्य संस्कृत-

निवेशसूचिकायाः निर्माणं कुरुत।

स्वमूल्याङ्कनम्- विद्यालयस्य नाम, लोगो, स्वपरिचयः, स्व-उपलब्धयः, स्वक्षमताः, धेयं च।



### 3) भीत्तिपत्रकनिर्माणम् (चार्टनिर्माणम्)-

- i) शब्दरूपाणि- कवि, साधु, पितृ इत्यादयः।
- ii) धातुरूपाणि- शक्, ज्ञा, कृ, श्रु, लभ् इत्यादयः धातवः पञ्चलकारेषु
- iii) सन्धयः, प्रत्ययाः इत्यादयः।

### 4) संस्कृत-अव्ययानां प्रयोगाः संस्कृतगीतेषु कुरुत।

(संस्कृत अव्ययों का प्रयोग संस्कृतगीतों में कीजिए तथा लेखनपुस्तिका में लिखिए।)  
(एकदा, कदा, अत्र, तत्र, सर्वत्र, कथम्, किमर्थम्, अपि, च इत्यादयः)

यथा-

पठत संस्कृतम् वदत संस्कृतम् ।

लसतु संस्कृतं चिरं गृहे गृहे च पुनरपि ॥



5) निम्नलिखितं विषयम् अधिकृत्य स्वविचारान् संस्कृतम् अथवा हिन्दी भाषायां लिखत।

अ) संस्कृतभाषायाः महत्त्वं सौन्दर्यं च।—  
(संस्कृतभाषा का महत्त्व तथा सौंदर्य।)  
अथवा

आ) भारत को फिर से विश्वगुरु बनाने के लिए संस्कृतभाषा का महत्त्व तथा योगदान।  
जैसे-

- संस्कृतभाषा का भूतकाल (पतंजली योग, आर्यभट्ट इत्यादि)
- संस्कृतभाषा का वर्तमान में देश तथा विदेशों में प्रयोग (News में, आयुर्वेद डॉक्टर, IIT में संस्कृत का प्रयोग इत्यादि)
- भविष्यत्काल में संस्कृत भाषा की आवश्यकता
- संस्कृतभाषा की वैज्ञानिकता।

6) संस्कृत में उपलब्ध किस सूत्र को पाइथागोरस का प्रमेय नाम दिया गया है ? जानकारी प्राप्त कीजिए और कॉपी में लिखिए।

# HOLIDAY HOMEWORK

2022-2023

CLASS IX

SUBJECT: LIBRARY

## **“READING IS PASSPORT TO COUNTLESS ADVENTURES”**

### READING ACTIVITY FOR SUMMER VACATION

SR NO	CLASS	ACTIVITY
1	IX	DESIGN BOOK COVER AND MAKE BOOK MARK
2	IX	WRITE AT LEAST TWO BOOK REVIEWS OF YOUR FAVORITE BOOKS.
3	IX	READ THE BOOK IKIGAI (AUTHOR : HECTOR GARCIA)

To gain information on various topics visit the following websites

<http://www.jagranjosh.com/hindi-general-knowledge/>

<http://bharatdiscovery.org/>

<http://www.careersalah.com/quiz.htm>

<http://www.arvindguptatoys.com/>

For useful e - resources kindly visit our Schools Library

Website: <https://apskirkeelibrary.wordpress.com/e-resources/>

**HOLIDAY HOMEWORK**

**2022-2023**

**CLASS: IX**

**SUBJECT: PHYSICAL EDUCATION**

1. Write down all the 14 principles of sports training.
2. What are the basic physical fitness component required any one sport / game of your choice?
3. Write down the 4 objectives of sports training.
4. Write down the types of malnutrition.
5. Make an optimum dietary plan for a person of your age  
(In written form).

# **HOLIDAY HOMEWORK**

**2022-2023**

**CLASS: IX**

## **SUBJECT: LIFE SKILLS**

### **1. What Challenges Me?**

It's important to know what skills challenge us so we can begin to think about how to tackle them. Take a look at each skill and highlight the ones that challenge you most.

READING	TEAMWORK	SINGING
SELF-CONTROL	WRITING	GETTING ALONG WITH OTHERS
ART	LISTENING	FOLLOWING DIRECTIONS
SCIENCE	MATH	BEING ON TIME
MAKING FRIENDS	DANCING	SPORTS
PLAYING AN INSTRUMENT	SPEAKING IN FRONT OF A GROUP	FOCUSING
COMPUTER SKILLS	PROBLEM-SOLVING	ORGANIZATION

**Choose one of the challenges you highlighted. How can you take steps to begin to tackle it?**

### **2. Just Like the Movies**

Just as we face challenges, the characters in movies, TV shows, and books face challenges that they have to overcome, too. Think about a character who inspired you by overcoming a challenge. Write about the problem the character faced, how the character overcame it, and why that character inspired you. Please kindly paste the picture of the character who has inspired you.

# **HOLIDAY HOMEWORK**

**2022-2023**

**CLASS IX**



**SUBJECT: ART & CRAFT**

- 1) Define the term “Landscape Painting”.**
- 2) Collect information about any three famous landscape Artist and paste their pictures and write about them in your note copy.**
- 3) Draw a landscape by using your imagination.**
- 4) Make an Invitation card for Annual Sports Day. ( Size 6 X 9 Inch)**
- 5) Make a Creative Bookmark.**



- 6) Design a magazine cover page -Theme – Online Education**