



HOLIDAY HOMEWORK

CLASS IX

PORTFOLIO



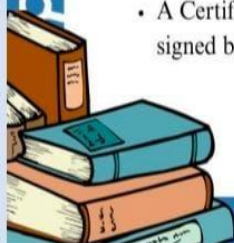
A portfolio is a purposeful collection of student work that exhibits the student's efforts, progress, and achievements in one or more areas. A student portfolio is a collection of student work compiled over time to showcase a learner's progress, skills, and achievements. This can include project work samples, finished assignments, case studies, and self-reflections. The portfolio should be neat and legible, with an emphasis on quality of content, accuracy of information, creative expression, proper sequencing and relevance.

Some of the criteria to be kept in mind while making your Portfolio are:

1. Organisation: Neatness and visual appeal
2. Creativity of work and presentation
3. Originality of work: Plagiarism is strictly prohibited.
4. Evidence of student's learning and growth
5. Identification of specific skills to show improvement over time

HOW TO MAKE YOUR PORTFOLIO?

- Maintain a ring binder to record all the essential activities, achievements, projects, etc.
- The first page should bear the school details, student details like name, class, section and roll number of the child along with the current academic session.
- The binder should be divided into separate sections in the following specified order for all subjects:
 1. English
 2. Hindi
 3. Punjabi
 4. Mathematics
 5. Science
 6. Social Science
 7. Computers
 8. Miscellaneous (Art/Music/Sports/CCA)
- You can separate the sections for each subject by creating Section Divider Sheets for each subject.
- The second page in each section should contain an index (different for each subject) wherein the activities kept in the portfolio are written in a sequence.
- Keep a record of the projects, holidays' homework, assignments, or research work you have completed, along with any acknowledgments or awards received.
- A Certificate of Completion to be made at the end of the portfolio duly signed by the class teacher.



LINK: www.youtube.com/watch?v=aj2vzRuMseA

Holidays Homework: Class IX (2024-25)

Subject: ENGLISH

1. Ek Bharat Shreshtha Bharat (Art integrated Activity)

A. Story Depiction: The folk tales of Tripura reflect a symbiotic relationship between human beings and nature. They also reflect the socio-economic system and social values of the society. Choose one of the folk tales of Tripura and make a well-illustrated comic script on A4 sheet.

Sample Comic script:



B. Write a diary entry in 100-120 words about your experience of doing something for the first time.

2. Environment friendly activity: Let's contribute towards sustainability by reducing plastic pollution. Use your creativity to design a file folder using a paper covering. Decorate it with natural dyes or hand impressions or any other nature-friendly way.

3. Portfolio Making: A portfolio is a collection of documents that showcase your skills. Use the file folder you have made with paper as your portfolio. Give the title 'Subject Enrichment file'. Write your name, class & sec (session), roll no, subject and teacher-in charge on the title page.

4. REVISION: Revise all the lessons done till now.

MODE OF SUBMISSION

All the work has to be done in A4 size sheets and duly compiled in your portfolio.

HINDI

कक्षा 9

विवरण पत्रिका (Brochure) -

त्रिपुरा और मिज़ोरम के लोक - नृत्य

1) विद्यार्थी एक विवरण पत्रिका (Brochure) तैयार करेंगे जिसका विषय होगा

~~ त्रिपुरा के लोक नृत्य (roll no. 1 से 20)

~~ मिज़ोरम के लोक नृत्य (roll no.21 से 40)

2) हिंदी समाचार पत्र के संपादकीय लेखों में से सामाजिक समस्याओं अथवा देश और पर्यावरण से संबंधित कोई दो लेख चुनें और उन्हें रंगीन पृष्ठ पर चिपकाइए। उन पर आधारित 5-5 लघु प्रश्न बनाइए और रंगीन पृष्ठ पर लिखिए।

SANSKRIT

1.दिए गए विषयों-

परोपकार,सत्य मित्रता सत्संगति पर 4सूक्तियां लिखें,याद करें।(A-4sheet पर)

2.मिजोरम और त्रिपुरा के लोकनृत्यों संबंधी, विवरण पुस्तिका बनाएं

3.कक्षा में कराएशब्द रूप धातुरूप याद करें।

Holiday Homework 2024-25

Mathematics

Class IX

- ❖ Revise the chapters Ch-1, 2 and 3
- ❖ Activity 1 is a group activity comprising of 4 students.
- ❖ Activity 2 and 3 are individual activities.

Activity 1: Ek Bharat Shreshtha Bharat Project

"State Connection: Mathematics and Culture Exchange"

Objective: To explore the mathematical and cultural aspects of paired states Chandigarh, Tripura, and Mizoram.

Research and gather information about the states of Chandigarh, Tripura, and Mizoram, focusing on their cultural heritage, traditions, and unique features. Identify mathematical concepts or topics that can be related to the cultural aspects of each state. For example:

Chandigarh: Explore geometric patterns in Chandigarh's architecture, such as the Rock Garden or Capitol Complex.

Tripura: Investigate mathematical principles in Tripura's traditional dance forms or handicrafts, such as symmetry in weaving patterns.

Mizoram: Study mathematical elements in Mizoram's indigenous games or tribal art, such as counting techniques or geometric motifs.



Create a presentation or multimedia project that highlights the mathematical connections and cultural exchange between Chandigarh, Tripura, and Mizoram. Include visuals, diagrams, and explanations to support your findings.

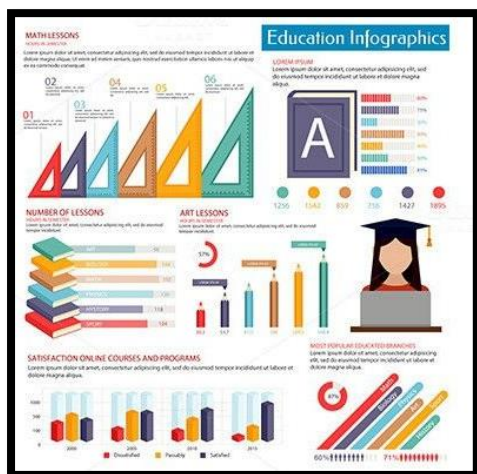
Activity 2: Environmental Consciousness

Title: Green Math: Calculating carbon 

Objective: To promote environmental awareness and eco-friendly behaviour through mathematical calculations and analysis.

Calculate your carbon footprint using online calculators or guided worksheets. Identify areas where you can reduce your environmental impact, such as transportation, energy consumption, and waste generation.

Design a poster or info graphic including tips for reducing carbon emissions, conserving energy, and minimizing waste. Example is given below.



Activity 3: Art Integration

Title: "Mathematical Masterpiece: Artistic Expressions of Mathematics"

Objective: To explore mathematical concepts through artistic expression and creativity.

- Choose a mathematical concept or topic that interests you, such as geometry, symmetry, patterns, or fractals. Create an artwork inspired by your chosen mathematical theme using any artistic medium of your choice, such as drawing, painting, collage, sculpture, or digital art. Describe how you incorporated mathematical concepts into your creative process and what inspired your artistic choices.

Activity 4: Experiential Learning

Title: "Exploring Pi"

Objective: To find the value of pi through activity method.

- Pi (π) is a mathematical constant that represents the ratio of a circle's circumference to its diameter. The value of pi is approximately 3.14159, but it has been calculated to millions of digits beyond the decimal point. Let's measure some circular objects around us to find the value of Pi. For this activity refer to the sheet posted in the Google classroom.

HOLIDAY HOME-WORK
CLASS -IX (2024-25)
SCIENCE

CHEMISTRY

ACTIVITY 1

Perform an activity to study the rate of evaporation of water considering the factors of surface area, temperature and wind speed



OBSERVATION TABLE:

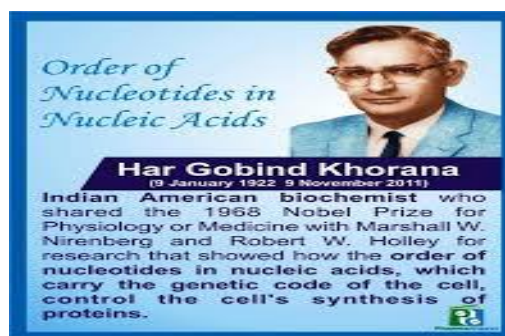
S.No.	CONDITIONS	TIME TAKEN FOR EVAPORATION	INFERENCE
1	In Sunlight (a) Water taken in a cup (b) Water taken in a saucer		
2	In room without fan (a) Water taken in a cup (b) Water taken in a saucer		
3	In room with fan (a) Water taken in a cup (b) Water taken in a saucer		

2. **“All truths are easy to understand once they are discovered; the point is to discover them.”**

Show your artistic skills by making a poster of the influential Scientist in the field of Chemistry depicting his contributions in brief.

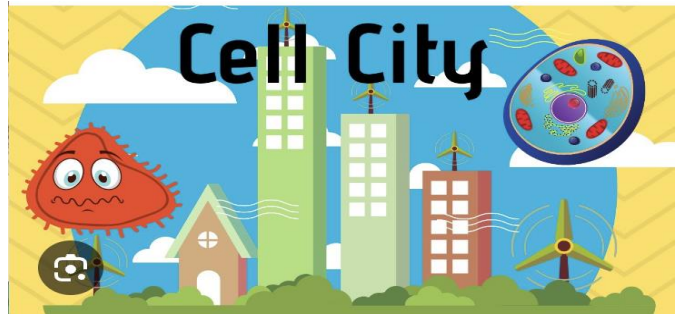
You can use any medium for the above.

An example is given



BIOLOGY

1. Draw a colourful **CELL-CITY** depicting various cell organelles and relating them to different parts of City based on the Functional Unit of Life.



2. a) Make a project on the widely grown crop by the farmers of the given state. It should include the following;



Cropping patterns

Irrigation facilities available

Harvesting season (and if some festival of that state can be related to it)

Uses and nutritive value of that crop.

b) Provide the following information about state bird or state animal

Common name

Scientific name

Habitat

Habits

Project should be on colourful sheets and not in a notebook. Support your project with colourful pictures / illustrations

Please note

Roll No 1-10,21-30 Tripura

11-20 ,31-onwards Mizoram

3. Find information on the various scientist who discovered various cell components (Structure of Cell membrane; Nucleus; Endoplasmic reticulum; Ribosomes; Golgi Bodies; Lysosomes; Mitochondria; Plastids etc.)

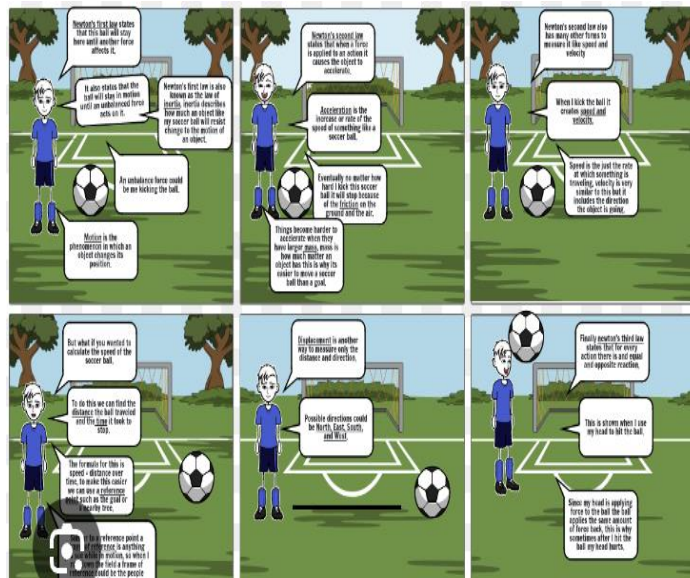
PHYSICS

Let's reinforce the concepts of motion by weaving your own story and illustrating it in the form of a **comic strip** on any one of the given topics:

- Distance and Displacement
- Speed and velocity
- Uniform Circular motion

To make your comic strip captivating

- *create 6-8 panels on A-3 sheet
- * illustrate using colourful drawings (You could use any medium of colouring).



SOCIAL SCIENCES

Class 9

All activities to be done in one activity file.

Don't waste paper or use plastic or non-biodegradable material in your Activity File.

Be an **Eco Warrior**.

Disaster Management

Make a 8 sides (4pages), **Hand written project** in your Activity File, on what a 15 YEAR OLD should do to protect oneself and the family during / before Disasters like **Floods, Cyclones, Earthquakes, and Landslides only**. (ANY TWO DISASTER ONLY)

Write about Any One disaster to affect Tripura or Mizoram- it's causes and impact.

(Source: Chapter 2- Towards safer India Part 2 book. Pdf of the same sent on class groups).

You will **paste or draw** relevant pictures related to the disaster, with proper headings and write about the Disaster.

You will ***integrate art work*** to decorate your pages.

Democratic politics

Follow the General Elections

Make a **collage**- Using one page (two, sides) in your Activity File, giving information about the number of seats, Local and National Parties in the electoral foray, (With party symbols) and winners and the losers, in Tripura / Mizoram and Chandigarh.

History and Geography

Group Activity

Make a Power Point presentation (maximum of 15 slides on the topic given below and upload on Google classroom by 10 July.

Using chapter **Forest society and colonialism of History and Flora and Fauna**. (Lesson 5 of Geography)

Find out the following information regarding

The Forest Laws, uses of forest wood by colonialists, and deforestation and its impact on Villagers lifestyle. Include the impact of Flora and Fauna on these Forest societies due to modernization. Present this information in your PPT in a original manner. (In assigned groups).

Use sources mentioned in the Book and those given by the teacher.

***Read the Newspaper daily.**

***Revise whatever has been done in class in all subjects.**

Computer Holiday

Class IX

Make a collage on chart showing Evolution on Telephone from landline to mobile. With its year of evolution, picture and a sentence on it.

Art and Craft

Class 9

Draw and colour any 5 topics e.g.: -

landscape, still life, composition, animal drawing etc, using any medium of colours.

Art Integrated activity:

Brochure making - Create a Brochure on Tripura and Mizoram. (any topic)