

Mukand MUKAND LAL PUBLIC SCHOOL
SAROJNI COLONY, YNR

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HOLIDAYS HOMEWORK

CLASS: X
Session (2023-24)

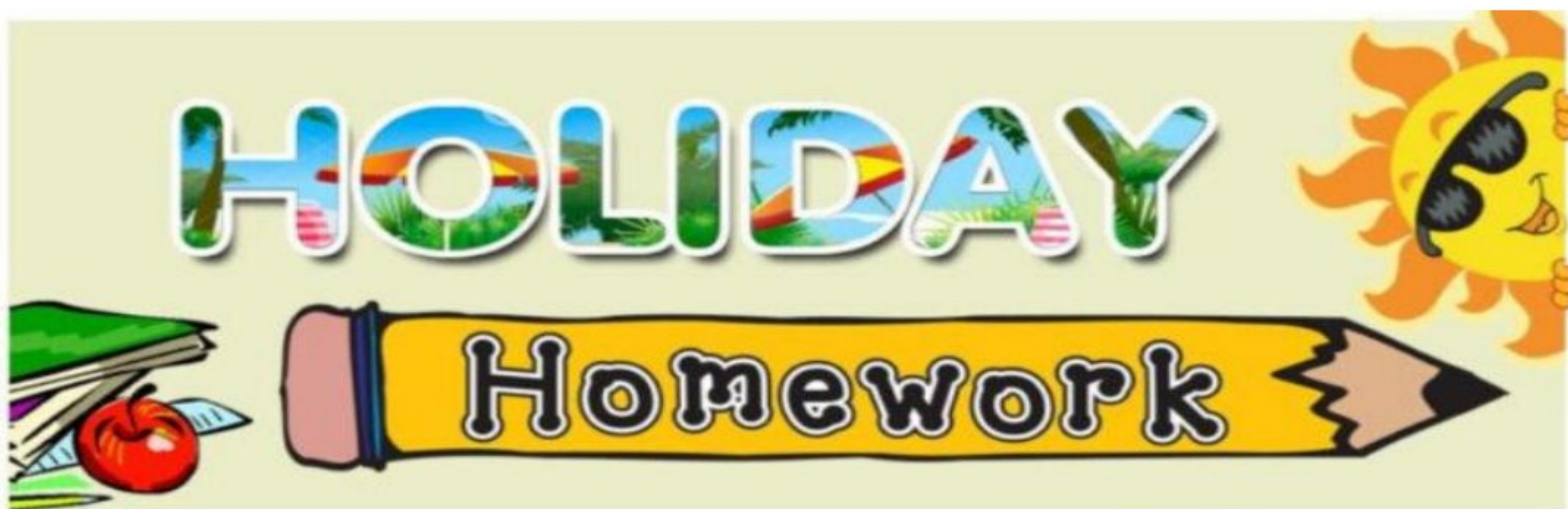


- ❖ **APPRECIATE NATURE** - GO FOR LONG WALKS IN A PARK OR GARDEN WITH YOUR FAMILY AND FRIENDS. GROW A PLANT AND NURTURE IT.
- ❖ **UNRAVEL THE ARTIST IN YOU** - CREATE A NEW STORY, TRY A NEW RECIPE WITH YOUR MOM, LEARN A NEW SONG, PLAY A NEW INSTRUMENT.
- ❖ **GOOD MANNERS ARE THE KEY-** RESPECT YOUR PARENT, GRANDPARENTS AND ALL ELDERS.
- ❖ **USE THREE MAGICAL WORDS** (SORRY, PLEASE AND THANK YOU) OFTEN. 'A LITTLE MORE COURTESY GOES A LONG WAY.'
- ❖ **STAY FIT, STAY HEALTHY** - PLAY YOUR FAVORITE GAME/ SPORT REGULARLY.
- ❖ DEVELOP IN YOURSELF THE SPIRIT OF SPORTSMANSHIP & SENSE OF HEALTHY COMPETITION.
- ❖ **LEARN ABOUT OUR HERITAGE** – FIND SOME TIME TO VISIT MUSEUM AND MONUMENTS. READ ABOUT THEM.
- ❖ LEARN NEW THINGS RELATED TO YOUR COUNTRY.
- ❖ **SAVE NATURE** – CONTRIBUTE TO SAVE OUR PRECIOUS ENVIRONMENT. MINIMIZE THE WASTAGE OF RESOURCES LIKE WATER AND FUEL.

10 REDUCED INEQUALITIES



It aims at reducing inequality within and among countries. This SDG calls for reducing inequalities in income as well as those based on age, sex, disability, race, ethnicity, origin, religion or economic or other status within a country.



ENGLISH

Group 1 (Roll No 1- 10)

- Make a cartoon script/ 3- D decorative presentations on equality in terms of social, political and economic issues and suggest ways to reduce these.

Group 2 (Roll No 11- 20)

- Take an Interview of the officials of NGO 'Aarohan' (running centre at Hindu Girls College , hostel Jagadhri) who is working for the welfare of the handicap children, take pictures and make video of the same.

Group 3 (Roll No 21- 30)

- Prepare a data of students living abroad on the pretext of jobs or higher studies. Prepare a project report on this problem of brain drain and suggest ways to stop this problem. Make your report creative using relevant pictures and drawings.

Group 4 (Roll No 31- 42)

- Prepare wind chimes with pictures of famous social workers who raised their voice against inequality. Each part of wind chime should describe the personality of social worker that you choose.

HINDI

1. ईश्वर ने जब सब समान बनाया तो मानव में क्यों असमानता का चक्र चलाया-

इसी नैतिक भाव से संयोजित अपनी कल्पना से एक लघु नाट्य रचना कीजिए । (1 - 10)

2. भारत में लैंगिक असमानता -विषय को आधार बनाते हुए अर्थ, कारण, उदाहरण एवं असमानता को कम करने के उद्देश्य से युक्त एक शोध पत्र (रिसर्च पेपर) प्रस्तुत कीजिए (11 - 20)

3. जाति, धर्म, शिक्षा, व्यवसाय ,लिंग आदि पर की जाने वाली असमानता काफी समय से प्रचलित है तथा इन क्षेत्रों में समानता लाने के उद्देश्य से कई समाज सुधारको के द्वारा कार्य किए गए हैं ऐसी ही कुछ समाजसेवी संस्थाओं या व्यक्तित्व के बारे में जानकारी संकलित कीजिए तथा उसी पी.पी.टी के रूप में प्रस्तुत कीजिए । (21 - 30)
4. असमानता फैलाने वाली सभी बातें दूर रहे, एक मानव एक धरती का भाव हर ओर रहे विभिन्न क्षेत्रों में असमानता को समाप्त करने हेतु जनजागृति के उद्देश्य से इसी प्रकार के अन्य विचार नारा लेखन (कोई पांच) के रूप में प्रस्तुत कीजिए । (31 - 40)

MATHEMATICS

RNo.1 to 7 –

- Make a working model showing that angle subtended by an arc at the centre of the circle is twice the angle subtended by it in remaining part of the circle.

RNo.8 to 14 –

- Using Straws Make a working model of Thales Theorem.

RNo.15 to 21 –

- Make a working model showing volume of cone is $\frac{1}{3}$ rd of volume of cylinder.

RNo.22 to 28 –

- Make a working model on Pythagoras Theorem.

RNo.29 to 35 –

- Create a Spin Wheel game with numbers 1 to 9 using the concept of probability.

RNo.36 – 42 –

- Find out the value of currency of different countries. Find out the difference between their values assess and analyse. Compare the values of currencies of different countries using graphical method.

SCIENCE

(Strictly adhere to the distribution as per roll numbers)

For classes X A, B

BIOLOGY

- (Roll No.I-3) Make an eco-friendly house generating power with the help of windmills and solar panels.

- (4 - 6) Make a working model of Heart.
- (7 - 9) Working model to show the working of Excretory System.
- (10 - 12) Make a model to show Roof top Garden.
- (13-15) Make a working model of Reflex Action

PHYSICS

- (16 to 18) Free energy generator
- (19 to 21) Illustration of optical phenomenon (optical box)
- (22 to 24) Using science as an approach how can we eradicate inequality in the life of disable people. Write your ideas in a scrap book with pictures.
- (25 to 27) Prepare any Fun games based on scientific phenomenon.

CHEMISTRY

- (28-30) Working model on electrolysis of water.
- (31-33) 3-D model of diamond and graphite using waste material.
- (34-36) Project report on production of cosmetics among different countries by telling the variations/comparisons in the products used in different countries.
- (37-43) 3-D Model of fuel production from garbage.

For classes X C, D

PHYSICS

- (1-3) Prepare a model of Smart parking system
- (4-6) Prepare a model of Hydrobulb and vitamin D Reservoir
- (7-9) Prepare a model of Automatic Irrigation System
- (10-12) Prepare a model of Homemade water purifier
- (13-15) Prepare a model of Fire alarm with auto fan on -off

BIOLOGY

- (16-18) Production of bio diesel from waste vegetable oil to reduce inequality of oil among countries.
- (19-21) Make a working model to show dialysis process.
- (22 to 24) Make a working model to show components of blood.
- (25 to 27) Make a working model to show structure of a flower .

CHEMISTRY

- (28-30) Working model on electrolysis of water.
- (31-33) 3-D model of diamond and graphite using waste material.
- (34-36) Project report on production of cosmetics among different countries by telling the variations/comparisons in the products used in different countries.
- (37-43) 3-D model of fuel production from garbage.

For classes X E, F

CHEMISTRY

- (1-3) Plants as a future oil resource for example Bio petro plant Jatropha.
- (4-6) Make a project report on production of medicines among different countries by telling the difference between the medicines sold in various countries.
- (7-9) 3-D model of Smart Chemistry lab
- (10-12) 3-D model of ethene, ethyne and benzene using clay balls and sticks.
- (13-15) working model of electrolysis of water.

PHYSICS

- (16-18) Prepare a working model to show 'Theft proof car'
- (19-21) Prepare a working model of Oobleck
- (22-24) Prepare a working model of Magnetic barrier
- (25-27) Prepare a working model to show wireless charging system for E vehicle

BIOLOGY

- (28 to 30) Eco-friendly Building Materials that help you save energy and the earth.
- (31 to 33) Make a working model to show double fertilization in flowering plants.
- (34 - 36) Make a working model to show nutrition in amoeba.
- (37 onwards) Make a working model to show internal the structure of a leaf.

SOCIAL SCIENCE

Theme -- Reduce Inequality --Within and among countries*

Roll No 1 to 10

- To prepare a research paper on Child Rights and Responsibilities in India and USA. Use creative way to present the report.

Roll No 11 to 20

- Role play /skit (dialogue writing) on equal access of justice for all.

Roll No 21 to 30

- To prepare a play with dialogues on dignity of labour (sensitizing the audience about equality for all).

Roll No 31 onwards

- To prepare a project report on the role played by any three famous personalities / reformers who worked for the reduction of Inequality in their nation. Make your Project creative using pictures and drawings.

ARTIFICIAL INTELLIGENCE

Roll No. 1 to 15

- Make a beautiful poster on Artificial Intelligence in everyday life.

Roll No. 16 to 30

- Make a powerpoint presentation on AI with the use of following contents:
 - ✓ Definition
 - ✓ Early history
 - ✓ Current status of ai
 - ✓ Challenges of ai
 - ✓ Future of ai
 - ✓ Pros and cons of ai
 - ✓ Conclusion

Roll No. 30 onwards

- Make 3-D MODEL of smart city using waste material. Link for the reference is <https://itchronicles.com/what-is-a-smart-city/>

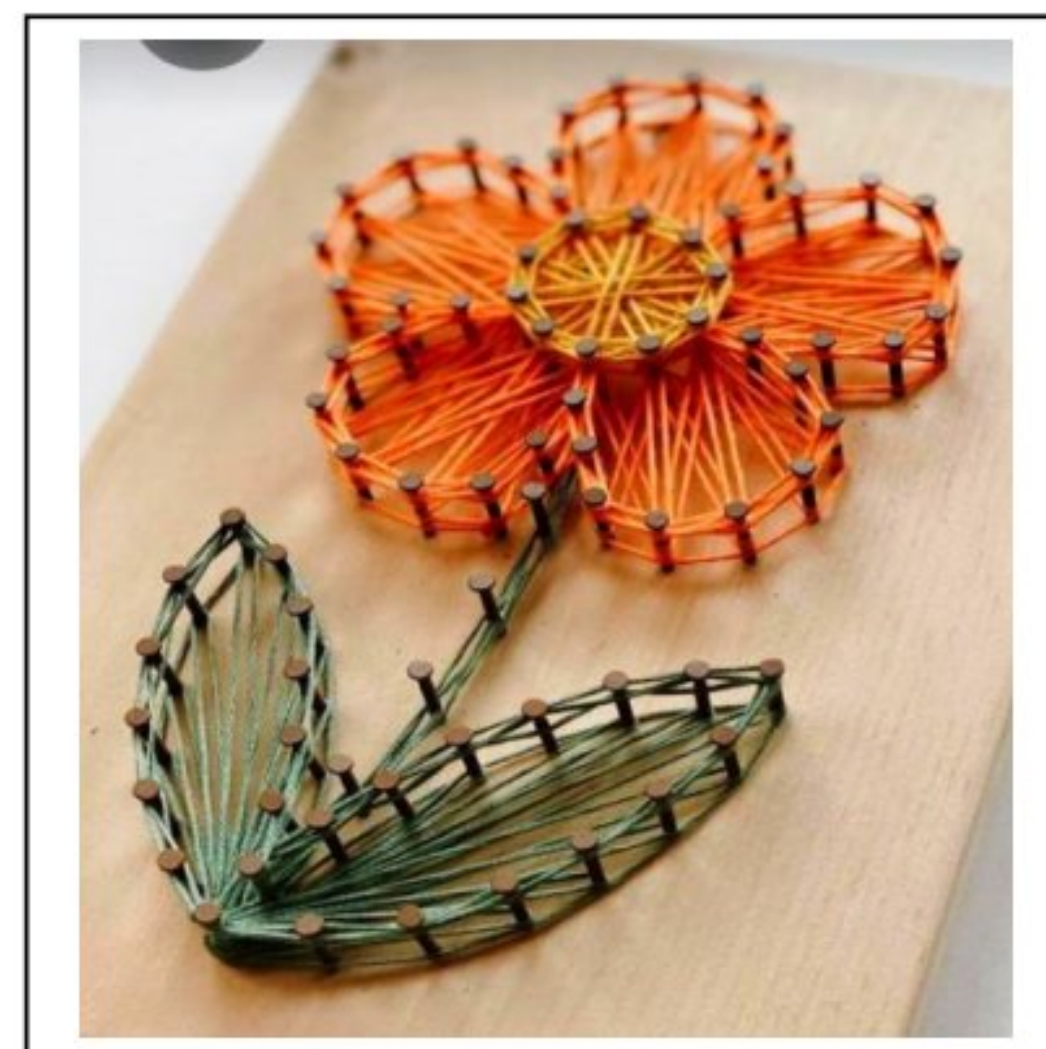


ART AND CRAFT

“The life so short, the craft so long to learn”

Dear students, make a beautiful ‘String Painting’ using your creativity.

Follow the given example.



ART INTEGRATED LEARNING

Topic-Forests

English- Write self formed Poems on 'Forests'

Hindi- वन्य पशु- पक्षियों की निलुप्त होती प्रजातियों के बारे में जानकारी एकत्रित कीजिए तथा उसे सचित्र शोध पत्र के रूप में प्रस्तुत कीजिए।

Maths- Make a graph showing annual rate of deforestation (forest change) in India for last 10 years.

Science-

Roll no. 1-14	Make a Journal on How Tribal people apply science for survival in forests (with coloured pictures of the techniques they are using)
Roll no. 15-27	Write a Research paper on Forest Degradation- Invasive/exotic species, habitat loss, climate change, over use of resources and pollution.
Roll no. 28 onwards	Make Brochure on Extinct species of India by specifying the disturbance they undergone due to Human/ Environmental Interference.

Social Science-

Show various reasons of Forest depletion through Chart/Model.

Write a report on Importance of Forest and conservation.

EBSB PROJECT

Dear Students

To celebrate the unity in diversity of our nation EK BHARAT SHRESHTHA BHARAT (EBSB) program is launched by CBSE. Its aim is to foster National Integration through linguistic literacy, cultural, sports, tourism and other forms of people to people exchanges. All the states are paired in 16 groups. Pairing state of **Haryana** is **Manipur**.

So your **EBSB** Project work is based on the same. You all will make and maintain a **State project Notebook** as per following instructions:

➤ Title Page

MUKAND LAL PUBLIC SCHOOL, SARAJINI COLONY, YAMUNANAGAR

'EK BHARAT SHRESHTHA BHARAT'

Project

Session 2023-24

Name of Project: _____

Name of Student: _____

Name of Class Incharge:

Roll NO. : _____

Ms. _____

Class & Section : _____

Signature of Class Incharge : _____

➤ **1st Page**

- Make a colourful & beautiful map of state Manipur.

➤ **2nd Page**

Name of the state : Manipur

Symbols of Manipur

Capital : _____

Emblem : _____

No. of Districts : _____

Mammal : _____

Language : _____

Bird : _____

Chief Minister : _____

Flower : _____

Governor : _____

Fruit : _____

Area : _____

Tree : _____

Sport : _____

➤ **3rd Page :**

- Write at least 20 sentences in Manipuri. Write the meaning of these sentences in English or Hindi.
- Compare the states of Haryana to that of Manipur and prepare a report (12-15 pages) on Political status of both detailing their major ministries and government. Make it colourful and attractive by pasting pictures related to them.

