



MUKAND LAL PUBLIC SCHOOL

SAROJNI COLONY, YNR

AFFILIATION NO.:- 530294

SCHOOL CODE: - 40279

Website:-www.mlpschool.edu.in

Contact: - 01732-250092, 257513

HOLIDAYS HOMEWORK

CLASS: IX

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.

16 PEACE, JUSTICE AND STRONG INSTITUTIONS



It aims at promoting peaceful and inclusive societies, providing access to justice for all and building effective, accountable and inclusive institutions at all levels. People everywhere should be free of fear from all forms of violence and feel safe as they go about their lives whatever their ethnicity, faith or sexual orientation.



ENGLISH

Group 1 (Roll no 1-10)

1. Prepare wall hangings showing how we can achieve 100% development in India.

Group 2 (Roll no 11-20)

2. 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 society, take pictures and make video of the same.

Group 3 (Roll no 21-30)

3. Write an article on 'Are wars necessary to establish peace'? Prepare a research report on causes of war between Russia and Ukraine. Make your report creative by using pictures and relevant drawings.

Group 4 (Roll no 31-42)

4. Prepare a Kathputli Show and write a funny script based on the chapter The Fun they had' Use your creativity to make it more interesting.

HINDI

1. वैश्विक शांति का प्रतिबिंब है न्याय व्यवस्था इस विषय को आधार बनाते उसे लेख रूप में प्रस्तुत कीजिए। (1-10)
2. न्याय व्यवस्था के प्रति कृतज्ञता के भाव से उद्धोधित नारा लेखन (कोई तीन) तथा कविता लेखन संबंधित कार्य कीजिए। (11-20)
3. लोकतंत्र को सक्षम बनाने हेतु तथा न्याय व्यवस्था के प्रति जन जागृति के उद्देश्य से समाज में कुछ ऐसी संस्थाएं तथा गैर सरकारी संगठन (एन.जी.ओ) हैं जो इसके लिए प्रयत्नरत हैं उनकी सूची बनाइए तथा उनकी कार्यशैली को शोध पत्र के रूप में प्रस्तुत कीजिए । (21-30)
4. न्याय व्यवस्था या न्यायिक प्रणाली को पोस्टर मेकिंग के माध्यम से प्रस्तुत करते हुए अपने शब्दों में लिपिबद्ध कीजिए । (31-40)

MATHEMATICS

Roll No.	Project Work	Model
1-15	Make a bar graph on a chart paper regarding top 10 Peaceful countries in the world and explain it briefly.	Make a working model on Algebraic Identities. https://youtu.be/RR_1OMK_Ww
16-30	Make a bar graph on a chart paper regarding top 10 countries with best Justice systems and explain it briefly.	Make a working model on Pythagorean Theorem. https://youtu.be/A7Kz3Sybzw
31 onwards	Make a bar graph on a chart paper regarding top 10 best institutions in the world and explain it briefly.	Make a working model on Lines and Angles. https://youtu.be/21RxPyIa1Bs

SCIENCE

WORKING MODELS

(Strictly adhere to the distribution as per roll numbers)

IX A, B

BIOLOGY

- (Roll No.1-3) Make a model representing a Hydroponics System: A solution for a food problem.
- (4-6) Write a research paper on MILLETS: The Future Food of India.
- (7-9) Working model to show the working of nerve cell
- (10 to 12) An AI based mobile app to detect 39 diseases of two crops tomato and potatoes
- (13-15) Develop workstation to show Cost Effective Health And Hygiene Aids

PHYSICS

- (16-18) Make a working model of solar powered car.
- (19-21) Make a working model of automatic street light
- (22 to 24) Make a working model of syringe robotic arm
- (25 to 27) Make a working model of energy efficient home

CHEMISTRY

- (28-30) Make a model of Tyndall effect.
- (31-33) 3-D model of Rutherford experiment.
- (34-36) Working model of a fun game showing formula of cation and anions.
- (37 onwards) Report on 'How we can maintain peace in the environment by reducing noise/ air pollution'.

IX C, D

PHYSICS

- **(Roll No.1-3)** 3D Painting (Decorate/Design any object using eco – friendly materials)
- **(4 - 6)** Prepare a working model showing Laser light show.
- **(7 - 9)** Make a model of Magnetic levitation globe
- **(10 - 12)** Make your own bubble machine
- **(13-15)** Make a working model of Archimedes screw

BIOLOGY

- **(16-18)** Develop a workstation to show vegetative propagation techniques
- **(19-21)** Make a model to show Hybridization technique by taking one example from the recent discoveries.
- **(22 to 24)** Make a working model of a plant cell.
- **(25 to 27)** Make a working model to show different type of plastids.

CHEMISTRY

- **(28-30)** Prepare a model of Smart school. (Maintaining sustainable environment and peace)
- **(31-33)** Make a working model Of Sodium Atom.
- **(34-36)** Working model of a fun game showing formula of cation and anions.
- **(37 onwards)** Research work on Environmental laws.

X E, F

CHEMISTRY

- **(RollNo.1-3)** Prepare a working model of Argon Atom.
- **(4-6)** Wealth from waste recycling fused or waste CFL bulbs to enlighten rural India and create livelihood diversification.
- **(7-9)** Flow chart of smart Schools maintaining peace and sustainable environment.
- **(10to12)** Presentation on topic- How can we reduce pollution by using science and technology to maintain peace and justice.
- **(13-15)** Draw a map of a factory which helps in maintaining a peaceful environment.

PHYSICS

- (16-18) Make a working model of a drone.
- (19-21) Make a working model of musical fountain
- (22 to 24) Make a working model of Newton's cradle.
- (25 to 27) Make a working model of balancing scale

BIOLOGY

- (28 to 30) Make a working model to show different types of plastids.
- (31 to 33) Make a working model to show Hybridization technique by taking one example from recent discoveries.
- (34-36) Make a working model to show different cropping patterns that benefit the environment in the long term.
- (37 onwards) Make a working model to show how xylem and phloem work.

SOCIAL SCIENCE

Roll No. 1-10

- **Hope and desire for peace-** Make a kite and write a message on it.

Roll No. 11-20

- **Future Citizen:**

Students will share the history of their country's Independence and write essays on how Independence impacts their lives and communities. By examining how each country celebrates independence, students write about each other's histories, civic rights, and values. Present in the form of a research paper. Make it creative using relevant pictures and drawings.

Roll No. 21-30

- **Local History:** Students research on culture, traditions, and history of their hometowns . Present it in form of a newspaper of minimum four pages. Give a beautiful title to your newspaper. Make it creative using relevant pictures and drawings.

Roll No.31 onwards

- **Every Day is Earth Day:** students create a poster Let Earth be not divided in pieces but worked upon to save a peaceful existence.

Natural Disaster (Compulsory for all):

What is Natural disaster? How many types of disaster are there?

Students share their knowledge for reducing the impact of disasters on their local communities.

ARTIFICIAL INTELLIGENCE

Roll No. 1 to 15:

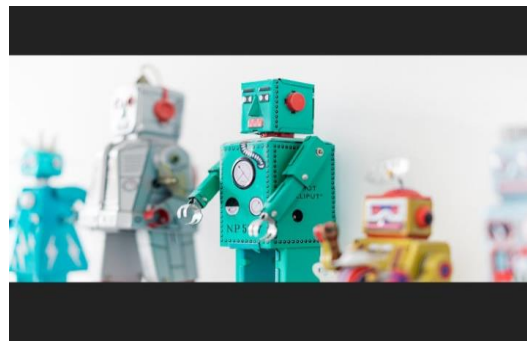
- Make an app of your own using Artificial Intelligence. Present the working of App through Powerpoint presentation.

Roll No. 16 to 30:

- Make a working robot with a waste cardboard.
Picture for the reference is given

Roll No. 30 onwards:

- Make a 3-d model of Smart Home based on IoT using waste material . Link for the reference is :
<https://www.interviewbit.com/blog/iot-projects/>



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- Conservation of Energy

English-

- Write a Script (between two or many people) on “Conservation of Energy” telling about the threats and ways to save energy.
- Write a slogan to aware the people to save energy.

Hindi-

ऊर्जा के विभिन्न प्राकृतिक संसाधनों जैसे सूर्य, जल, वायु, तथा वृक्ष आदि के महत्व को नारा लेखन/ कविता लेखन के माध्यम दर्शाते हुए उसका सचित्र प्रस्तुतिकरण फ्लैश कार्ड के रूप में कीजिए।

Maths-

- Make a bar graph of your electricity bills from April 2022 to April 2023.

- ✓ In which month your electricity bill was maximum and minimum.
- ✓ Find the mean of all electricity bills.
- ✓ Suggest 5 ways how you can minimise your electricity bill
- Write a short note on energy conservation.

Science-

Roll no. 1-14	Make a magazine to show use of solar panels, water harvesting structures, recycling techniques used by industries of your home city (5-8 pages). Present it with a beautiful cover page.
Roll no. 15-28	Develop a Robotic system by using E-waste
Roll no. 29 onwards	Make a Model to show reduced consumption of Electricity and also to support the usage of renewable sources of energy. (Solar panels, tree plantation, building materials etc)

Social Science-

- Write different ways that we are using for conserving energy in our school.
- List the different energy sources which are being used in your locality.
- Write up on Ancient structures/monuments which are being used in India to conserve energy.

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 15 sentences in Manipuri. Write the meaning of these sentences in English or Hindi.
- Make a project report (12 to 15 pages) on major food crops grown in Manipur. Write about Famous dishes of Manipur (at least 5)- Ingredients used and method of preparation of those dishes. Paste pictures also.
- Prepare one of the famous dishes of Manipur at home. Click your photo with the dish and paste it in your project report. Write the recipe of the same.

