Swaraj Public School, Damla
Aff. No :531727   School Code:41704
Website :www.spsdamla.edu.in
Session 2023-24
Summer Enrichment Programme
Theme – Innovation from Amigo Home
Class - X

Mukand

SUMMER TIME, SUMMER TIME

LET'S GO OUT AND PLAY

TIME FOR FUN AND LOTS OF SUN

I LOVE THESE KIND OF DAYS

SUMMER TIME, SUMMER TIME

SWIMMING TO STAY COOL

PILLOW FIGHTS,

AND LATE NIGHT FIGHTS

AN AWESOME BREAK FROM SCHOOL

:) **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 ALONG WAY.'

:) **STAY FIT, STAY HEALTHY** - PLAY YOUR FAVOURITE 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

ENGLISH

Kindly refer to Assignment sheets to be posted as PDF Document.

HINDI

Movie Reviews

* I am kalam (Roll no.1 to 7)

* The kerala story(Roll no.8 to 14)

* R R R (Roll no.15 to 21)

* Kasmir files (Roll no.22 to 28)

* Bhagat Singh (Roll no.29 to 31)

विज्ञापन तैयार कीजिए

1. अपने पुराने मकान के बेचने सम्बन्धी विज्ञापन का आलेख लगभग 25-30 शब्दों में तैयार कीजिए।

2. हिंदी की पुस्तकों की प्रदर्शनी में आधे मूल्य पर बिक रही महत्तवपूर्ण पुस्तकों को खरीदकर लाभ उठाने के लिए लगभग 25-30 शब्दों में एक विज्ञापन लिखिए।

3. रोज समाचार पत्र पढ़े और मुख्य खबरों का एक कोलाार्ज बनाएं।

MATHS

1. Make Keren calculator using cardboard.(Tanish and Waris)

2. Make a working model of ATM machine .(Ridhima and Priyanshi)

3. Make a model of Callinometer used to find out the angle of deviation and angle of elevation.(Madhur)

4. Make a model to show the proof of Pythagoras theorem.(Ramandeep)

5. Make a working model to prove that the length of tangents from external point to a circle are equal.(Dimple and Bhavya)

6. Make a working model to show the arithmetic progression series. (Rudrakshi)

Common for all students (activities from Lab manual)

1. To draw the graph of a quadratic equations

2. To verify the conditions of consistency /inconsistency for a pair of linear equation in two variables by graphical method.

3. To obtain geometrically the solutions of a Quadratic equations e.g $x^2+4x+32$ by completing the square method.

4. To check that the given sequence is an A.P or not.

5. To find the median of the data obtained from real life situations.

SCIENCE

"Time is the Greatest Innovator" so give yourself time to try, proceed and create from your lovely Amigo's Home. To innovate the educational tools and working model from Amigo Home as allotted by your respective Mentor.

1. Working model of haemodialysis
2. Plastic bottle vacuum cleaner.
3. Drone at home
4. Working model of water purification system
5. Wind and solar energy irrigation system
6. Bio fuel from the algae
7. Herbal recycled paper and paper disposable cutlery
8. Water fountain
9. Cooler working model
10. Working model of excretory system
11. Gel Electrophoresis using home kit.
12. Plastoscope
13. Phone control humanoid robot
14. Mini flour mill
15. Rain Water Harvesting and Generation of Hydroelectricity.
16. TLM for human anatomy
17. Acidity of tea leaves
18. 3D periodic table
19. Models of Allotropes of Carbon and shapes of carbon compounds.

To write the protocol in the practical files from Lab manuals of the following aim of experiments. The format and the instructions to be followed as guided in attached document. Make sure the procedure to be written in past tense only.

1. Determination of the focal length of: Unit-III
i) Concave mirror
ii) Convex lens by obtaining the image of a distant object.

2. Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. Unit - III

3. Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. Unit-II

4. Tracing the path of the rays of light through a glass prism. Unit-III

5. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).Unit-II

6. Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I. Unit-III.

7.Determination of the equivalent resistance of two resistors when connected in series and parallel. Unit-IV

8. Preparing a temporary mount of a leaf peel to show stomata. Unit II

9. Experimentally show that carbon dioxide is given out during respiration. Unit-II

- **Revision of the syllabus till done.**
- **And solve the given assignments for practice on A4 sheets.**

SOCIAL SCIENCE

Roll No. 1 to 5

Haemodialysis

1. What is haemodialysis?

2. What is the process of haemodialysis?

3.what are the three types of haemodialysis?

4. What are the complications of haemodialysis?

5. What are the advantages of haemodialysis?

Roll No. 6 to 10

1. How do you make a vacuum cleaner out of a plastic bottle?

2. What plastic is used in vacuum cleaners?

3. How do you make a vacuum inside a bottle?

4. How does DIY vacuum works?

5. Is it possible to create a pure vacuum?

6. Can you create a vacuum in a water bottle?

Roll No. 11 to 15

1.What is the use of drone at home?

2.Can a drone lift a home?

3. At what height can drones fly?

4. Where drones is prohibited in India?

5. Why drones are expensive in India?

Roll No. 16 to 20

1. What are the models of water purification?

2. How to design a water purifier?

3. What is the principle of water purifier?

4. What is the basic principle of water purifier?

5. Which material is used for purification?

Roll No. 21 to 25

1. What is the acidity of tea leaves?

2. What causes acidity in tea?

3. Which tea reduces acidity?

4. Does milk increases acidity in tea?

5. which foods reduce acidity?

Roll No. 26 to 31

1. What is the acidity of tea leaves?

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AI (Artificial Information)

What is Innovation? Make a working model of How AI is used in innovation?

LINK :- https://youtu.be/3J7uxTBh4SA

:- https://youtu.be/djcPk94_BCc

ART & CRAFT

1- Make a cloth bag / jute bag with fabric paintings

2- Make a free hand Ganesha (creative) painting on A3 sheet

EBSB

*Title page

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SWARAJ PUBLIC SCHOOL DAMLA, YAMUNANAGAR

'EK BHARAT SHRESHTHA BHARAT'

Project

Session 2023-24

Name of class incharge Ms.____

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Name of project_____

Name of student_____

Roll no: _____

Class & Section :_____

Signature of class incharge_____

1stPage:-   **Make a colourful & beautiful map of state Manipur.**

2ndPage:-

Name of the state	:	**Manipur**
Symbols of Manipur	:	
Capital	:	
Fruit	:	
Emblem	:	
No. of Districts	:	
Mammal	:	
Language	:	
Bird	:	
Chief Minister	:	
Flower	:	
Governor	:	
Tree	:	
Area	:	
Sport	:	

3rd page:-   **Learn and write 5-10 alphabets of Manipuri.**

4th page :-   **History of Haryana and Manipur**

5th page :-   **Culture of Haryana and Manipur**

6th page :-   **Crops grown in Haryana and Manipur**

7th page:-   **Dresses of haryana and manipur.**

8th page:-   **Festival of haryana and manipur.**

9th page:-   **Power generation sources in haryana and manipur**

SPECIAL DAYS ACTIVITIES:

➢ **FATHER'S DAY ACTIVITY:** **(To be submitted till 15 June)**
Make a Beautiful collage/album of your childhood pictures with your father and present that to him on fathers day also send the picture to the class teacher by 15th June.

➢ YOGA DAY **ACTIVITY:** **(To be submitted till 21 June)**
Do yoga with your parents and send photos on that day.