

ST. MARK'S SR. SEC. PUBLIC SCHOOL, JANAKPURI

HOLIDAY HOMEWORK

CLASS IX (SESSION 2023-24)

ENGLISH

- Students will design a Literary Magazine on a colored A4-size Scrap File based on the theme of the following prose lessons and poetry from Beehive.
 - The Fun They Had
 - Wind
 - Rain on the Roof
 - My Childhood

- Compare and contrast the life of the people in a Metro with Lakshadweep and Andaman and Nicobar Islands with the help of pictures, articles, paintings, collage under the following heads: -
 - Landscape
 - Population
 - Flora and Fauna
 - Types of Cuisine
 - Traditional Attire
 - Weather forecast
 - Culture and Creed
 - Mode of Transport
 - Source of Entertainment
 - Famous tourist attractions

- Assignments uploaded on the portal for the following chapters :
 - The Fun They Had
 - Wind
 - The Road Not Taken
 - The Lost child
 - The Adventures of Toto

The students are required to complete the assignments in their notebooks and submit it after the summer vacations.

HINDI

- पाठ्यक्रम से संबंधित कविता 'गीत-अगीत' में अनेक उद्धरणों के माध्यम से प्राकृतिक सुंदरता, पशु-पक्षी आदि का वर्णन है और यह सभी मनुष्य को प्रभावित करते हैं।

इस कविता को आधार बनाते हुए अंडमान निकोबार द्वीप समूह की प्रकृति, जलवायु, वहाँ के पर्यटन स्थलों की सुंदरता के बारे में लिखकर उससे संबंधित चित्रों के माध्यम से अपने कार्य को पूर्ण करें। कविता का सार अवश्य लिखें।

निर्देश :- संपूर्ण कार्य A4 SHEET पर पूर्ण करें।

प्रोजेक्ट को आकर्षक बनाने का प्रयास करें।

- कक्षा नवीं में दिए गए PA 1 से संबंधित विषय पोर्टल पर अपलोड कर दिए गए हैं ।
 - स्पर्श- पाठ -२ दुःख का अधिकार पाठ-९ पद (रैदास)
 - संचयन- पाठ-१ गिल्लू
 - व्याकरण- शब्द व पद , अनुस्वार अनुनासिक

यह संपूर्ण कार्य अभ्यास पुस्तिका पर छात्रों द्वारा पूर्ण किया जाएगा।

MATHEMATICS

➤ MATHS LAB ACTIVITIES

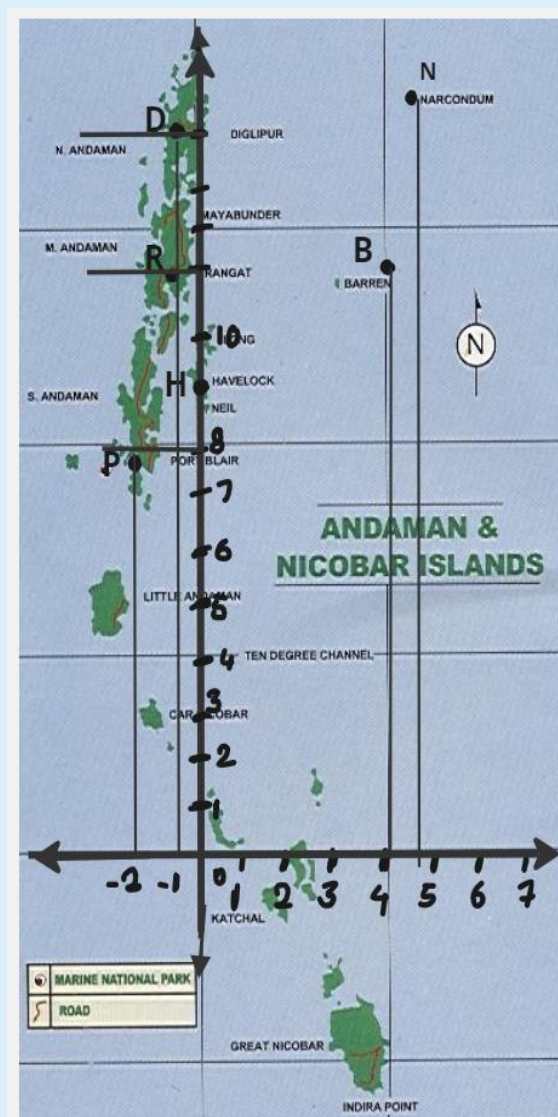
1. To construct a square root spiral by the technique of paper folding.
2. To verify $(a+b+c)^2 = a^2 + b^2 + c^2 + 2ab + 2bc + 2ca$ by the method of paper folding , cutting and pasting.
3. To verify the angle sum property of a triangle through paper cutting and folding.
4. To verify that if two lines intersect each other, then vertically opposite angles so formed are equal.
5. To verify the Mid point theorem by paper folding and pasting method.

➤ ART INTEGRATION PROJECT

Topic: Coordinate Geometry related to Andaman and Nicobar Islands

1.DIGLIPUR

Situated far up in the North Andaman, Diglipur is around 290km by road and 180km by sea from Port Blair.



Write the coordinates of the point Diglipur (D).

2. HAVELOCK ISLAND

Havelock island, officially known as Swaraj Dweep, is one of the largest islands in Ritchie's Archipelago, to the east of Great Andaman

Write the coordinates of the point Havelock Island (H). On which axis does it lie?

3. RANGAT ISLAND

Rangat Island is located in the Middle and South **Andaman** Islands. The approximate distance from Port Blair by road is 180 Kms

Write the coordinates of the point Rangat (R).

4. NARCONDUM

Narcondam, India's easternmost island, is a small volcanic island located in the northern Andaman Sea. The island's peak rises to 710 m above mean sea level.

In which quadrant does Narcondum (N) lie ?

5. Write the ordinate of the point Barren (B).

6. PORTBLAIR

Port Blair is the capital city of the Andaman and Nicobar Islands, a union territory of India .

Write the abscissa of the point Port Blair (P).

➤ MATHS EXHIBITION 2022-23

Prepare a model/game/ project on any one of the following topics:

1. Applications of Maths in everyday life.
2. Geometrocoty: A smart city made of maths
3. Maths in Architecture/ Metro trains
4. Integration of Art and Craft in Maths
5. Maths in Artificial Intelligence

General Instructions:

- Project/Model/Game should be handmade.
- Eco-friendly materials should be used.

➤ Assignments uploaded on the portal for the following chapters :

- Number System
- Coordinate Geometry
- Lines and Angles

The students are required to complete the assignments in their notebooks and submit it after the summer vacations.

SCIENCE

➤ **ART INTEGRATION PROJECT**

THEME: ANDAMAN & NICOBAR AND LAKSHADWEEP ISLANDS

SUB THEME: IMPACT OF HUMAN INTERFERENCE ON NATURAL RESOURCES

(1) The students, in a group of four to five, have to make a research based project on any one of the following human activities on natural resources of Andaman and Nicobar and Lakshadweep Islands.

1. Dredging of navigational channels
2. Coral reef pollution
3. Resource stress introduced by tourist influx
4. Water Shortage
5. Destructive practices like blast fishing
6. Climate change
7. Natural disasters
8. Poaching
9. Anthropogenic threats due to tourism
10. Illegal construction and mining
11. Volatile climatic factors.
12. Degradation of soil as a resource
13. Effects on the mineral content and soil chemistry
14. Threat to natural Biogeochemical cycles
15. Global warming
16. Threat to Biodiversity (flora and fauna)

(2) For visual and performing art as a creative expression they can use forms like:

Nukkad natak, Explanatory drawings, Role play, Cartoon strip, Jewellery designing, Poster making, Poetry, Slogan writing

➤ **SCIENCE EXHIBITION 2022-23**

THEME: SUSTAINABLE DEVELOPMENT GOALS

SUB-THEME:

SDG 7- Affordable and Clean Energy

SDG 9- Industry Innovation & Infrastructure

SDG 11- Sustainable Cities and Communication

SDG 12- Responsible Consumption and Production

SDG 13- Climate Action

General Instructions:

- Project/Model/Game should be handmade.
- Eco-friendly materials should be used.

- Assignments uploaded on the portal for the following chapters :
 - Fundamental Unit of Life
 - Motion
 - Matter in Our Surroundings

The students are required to complete the assignments in their notebooks and submit it after the summer vacations.

SOCIAL STUDIES

➤ **ART INTEGRATION PROJECT**

(Collage and mosaic work with a variety of coloured papers and coloured printed pictures/photographs from magazines and newspapers.)

Take one Chart Paper, divide the same into four parts and make collage using pictures/photographs from magazines and newspapers on Lakshadweep

The following topic to be covered on the chart paper-

- a. **History**- Post Independence Period
- b. **Geography**- Climate, wildlife, natural vegetation, road and water transport
- c. **Economics**- Literacy Rate, Means year of schooling, Health system
- d. **Political science**- Political Parties, Election system (campaign, booths).

➤ **PROJECT WORK**

GEOGRAPHY

One project about different types of disasters, their preparedness and management

1. The Project Report should be handwritten.
2. Acknowledgment
3. Index
4. Topics

•WHAT ARE DISASTERS?

- **TYPES OF DISASTERS: NATURAL & MAN-MADE WITH EXAMPLES
DISASTER MANAGEMENT (PREPAREDNESS):**

- **FIRST AID TO BE GIVEN TO THE PERSON EFFECTED BY-BURNS, BROKENS BONES, NOSE BLEEDIND.ANIMAL BITES, ROAD ACCIDENT (add pictures also)**
- **DISASTER MANAGEMENT PLAN TO SAVE PEOPLE IN YOUR AREA WHERE YOU LIVE IN CASE EARTHQUAKE OCCURS.**

5. Bibliography

- Assignments uploaded on the portal for the following chapters :
 - India, Size & Location
 - French Revolution
 - What is Democracy? Why Democracy?

The students are required to complete the assignments in their notebooks and submit it after the summer vacations.