



**AUROBINDO INTERNATIONAL SCHOOL**

(Affiliated to CBSE, Affiliation No. 1730992)

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Affiliation No. 1730992

## **Class: IX Session 2023-2024**

Dear Students,

As the warmth of the summer sun approaches, it's time to embrace the much-anticipated summer holidays! We hope this break provides you with ample opportunities to relax, recharge, and explore new horizons. However, before you embark on your well-deserved vacation, we have some exciting yet enriching homework assignments to keep your mind engaged during this period.

We believe that learning doesn't have to be confined to the four walls of a classroom, and the summer holidays offer the perfect canvas for expanding your knowledge and nurturing your creativity. These assignments are designed to provide you with a sense of adventure, intellectual stimulation, and personal growth.

Throughout the summer, our dedicated team of educators will be available to guide and support you whenever needed. Feel free to reach out to us for any clarification, inspiration, or assistance you may require on your homework assignments.

We eagerly await your return in the coming academic year to hear about your captivating experiences and witness the growth you have achieved. Make the most of this summer break, embrace the joy of learning, and let your enthusiasm shine through!

Wishing you a truly unforgettable and enriching summer holidays!

### **'TO-DO' LIST DURING THE HOLIDAYS:**

- *Spend time outdoors, walking, playing, jogging etc.*
- *Speak to your friends, don't just message them on social media.*
- *If you are lucky enough to have siblings, plan some special time to hang-out together or play with them.*
- *Try to have meals without a mobile phone so that you can interact with your family members without distraction.*
- *Read good books. A few of them are suggested in this assignment too.*
- *Do something kind such as pulling weeds out in garden, watering the plants, helping your family members in their daily chores.*
- *Tidy your room and make your bed, you have plenty of time!*
- *Relax... and come back refreshed to take up school tasks with full zeal after vacation!*

## INSTRUCTIONS

- ❖ Entire work would be assessed for internal assessment.
- ❖ Work should be based on creativity, productivity and clarity.
- ❖ Punch the A-4 size sheets and submit in a single file for all subjects. Scrapbook to be submitted separately.
- ❖ Revise & prepare syllabus of PA-1 for upcoming exam for all subjects in the month of July for a glorious achievement.

### Subject: English

Design a magazine of disabled women with brief achievements, of Rajasthan as well as Nagaland “who have raised hopes for the disabled.”

Follow the given spikes:

- \* Students have to prepare a decorated file with a cover page related to the topic of assignment.
- \* Second page should be index page with all the contents covered.
- \* A4 size paper to be used for the project.
- \* Picture and drawing should be included to support the content.

### Sub: Hindi

1. 'लालच बुरी बला है' विषय पर रचनात्मक सोच के साथ लगभग 100 शब्दों में लघुकथा लेखन कीजिए।
2. नागालैंड और राजस्थान के त्योहार, वन्यजीव अभ्यारण, वेशभूषा, हस्तशिल्प और खान-पान का तुलनात्मक वर्णन करते हुए प्रोजेक्ट फाइल तैयार कीजिए।
3. कबीरदास जी और रहीमदास जी का संक्षिप्त सचित्र परिचय देते हुए पाँच दोहे सुलेख के रूप में लिखिए तथा उन्हें सस्वर याद कीजिए।
4. प्रतिदिन प्रातःकाल सैर करने जाइए तथा प्रातःकाल सैर के लाभ बताते हुए अपने छोटे भाई को पत्र लिखिए।
5. निम्नलिखित वर्णित रचनाकारों की रचनाओं में से स्वरूचि अनुसार किसी एक रचना का ग्रीष्मावकाश में अध्ययन कीजिए।  
मुंशीप्रेमचंद – गोदान, कर्मभूमि, पूस की रात  
मैथिलीशरण गुप्त – साकेत, पंचवटी  
सुमित्रानंदन पंत – पल्लव  
महादेवी वर्मा – अतीत के चलचित्र  
सुभद्राकुमारी चौहान – बिखरे मोती

नोट:- 1. विद्यार्थी समस्त हिन्दी कार्य फाइल में बनाकर जमा करायें।

## Sub: Mathematics

### WORKING MODEL / PROJECTS

1. Make a working model on Number System.  
[https://youtu.be/Km2f\\_MNYy-o](https://youtu.be/Km2f_MNYy-o)
2. Make a working model on polynomials – (Types of Polynomials)  
<https://youtu.be/vHZMFx8rlhY>

## Sub: Science

### Chemistry

1. Make a portfolio on different atomic models.
2. Make a working model of any one:-
  - Hydro-Electricity generator (Roll no. 1 to 9)
  - Prepare a model to demonstrate movement of particles in solid liquid and gas.(NCERT Book Page No.-13) (Roll no. 10 to 19)
  - Design a small scale filtration plant to clean muddy water. (Roll no. 20 to 28)

### Physics

Dear Students, Kindly note that the following points:-

- Keep your work neat, well-organized, and free from grammatical errors.
  - Cite your sources for any information or images used.
  - Demonstrate creativity, critical thinking, and a genuine interest in physics.
  - Enjoy the process and feel free to explore additional physics concepts that interest you.
1. Prepare an Investigatory project report on Motion and Forces Investigation
    - a. Choose a specific type of motion (e.g., linear, circular,) or force (e.g., gravity, friction, magnetism).
    - b. Conduct an investigation to explore the characteristics and effects of the chosen motion or force.
    - c. Record your observations, measurements, and any patterns or relationships you observe.
    - d. Present your findings in a clear and organized manner, including graphs or charts if applicable.
    - e. The project is to be done using loose sheets - white/colored A4 size sheets. The Project Report should be hand written by the students themselves.
  2. Make a working model of Newton Disc to show that white light is made up of seven colors.

Link:

[https://www.youtube.com/watch?v=UjhXP7F93rs&list=PLperP\\_3l53opYYAok2zka4C1mqtHb8Cn5&index=3](https://www.youtube.com/watch?v=UjhXP7F93rs&list=PLperP_3l53opYYAok2zka4C1mqtHb8Cn5&index=3)

Submit your completed projects in the format specified on 3rd July, 2023 (Monday).

### Biology

- Students have to submit the file made on the Topic “Natural resources of Nagaland and Rajasthan and their management”. This topic may include pollution, weather, rainfall, global warming etc.

## Sub: Social Science

### Objectives

The main objectives of giving project work on Disaster Management to the students are to:

- create awareness in them about different disasters, their consequences and management
- prepare them in advance to face such situations
- ensure their participation in disaster mitigation plans
- enable them to create awareness and preparedness among others.

### Topics

Select any one from the list of natural disasters given below.

- Earthquake
- Cyclone
- Flood
- Drought
- Landslide

Select any one from the list of man-made disasters given below

- Chemical and biological attack
- Rail accidents
- Fire
- Oil spills
- Industrial accidents

Based on your selection, enumerate the following in your project:

- Introduction: Meaning
  - Causes
  - Do's and don'ts
  - Prevention and mitigation measures
  - Your Emergency Kit
  - Include two case studies (one from each state) on any natural or man-made disasters which commonly affect **Nagaland** and **Rajasthan**.
- Case study should include **causes, impact and mitigation** strategies adopted to reduce the impact of such disaster.

## Sub: Sanskrit

विशेष निर्देश:-

1. समस्त कार्य आंतरिक मूल्यांकन के अंतर्गत जाँचा जाएगा।
2. कार्य आकर्षक, सृजनात्मक और प्रस्तुति योग्य होना चाहिए।
3. इनके अंक परीक्षा में जोड़े जाएंगे।

मूल्यांकन बिंदु	कुल अंक 5
1. रचनात्मकता	2
2. वर्तनीगत शुद्धता	2
3. सुलेख	1

कार्य

1. नागालैंड राज्यस्य राज्यपक्षी कः अस्ति? चित्रेण सहितं पञ्च वाक्यानि लिखत।
2. चित्रं रचयित्वा तस्योपरि संस्कृते पञ्च वाक्यानि लिखत।
3. निज मित्रेण अथवा परिवारस्य सदस्येन सह संस्कृत भाषायाम् संवाद कुर्वन् ऑडियो/वीडियो निर्माण कुरु च संस्कृत गूगल क्लास रूम स्ट्रीम मध्ये प्रेषयतु।

## Sub: Information Technology

- 1) Make a creative Power Point Presentation on “How to Overcome Examination Phobia.” Or “Ethics in computing”.
- 2) Design an Appreciation Certificate in Word Processor using all the formatting features.  
Points to Remember:-
  - Your Presentation should include minimum 7 and maximum 10 slides.
  - **The first slide should include your complete name, class, and section along with the PPT heading.**
  - You can E-Mail the PPT and Certificate to this id - poojajakhar156@gmail.com and mention your name and class in subject column.

## Sub: French

1. Écrivez un exposé sur la géographie de la France marquant les montagnes, les fleuves , les pays voisins sur la carte de France.
2. Expliquez la vie quotidienne à Nagaland comme les habitations, les modes de vie, l’agriculture etc. en incluant des images dans vos propres mots.  
(Faites sur la feuille A4)



## ART INTEGRATED PROJECT

### State - Nagaland

Préparer une présentation créative tout en faisant une étude comparative de la géographie, des danses, de la nourriture, des festivals, etc. de la France et du Nagaland.

(Prepare a creative power point presentation while doing a comparative study of geography, dances, food, festivals, etc. of France and Nagaland.)

