

# ANDAMAN AND NICOBAR ISLANDS: ECOLOGICAL COMMUNITY- FLORA AND FAUNA

## My Summer Time Class 8

"Art-integration is a cross-curricular pedagogical approach that utilises various aspects and forms of art and culture as the basis for learning of concepts across subjects. As a part of experiential learning, art-integrated education creates joyful learning and imbibing the Indian ethos. It is an integration of Indian art and culture. This art-integrated approach will strengthen the linkages between education and culture."

Given below are the summer time activities integrated with various art forms.

### ENGLISH

#### Design a Scrapbook

The Andamans are home to some of the richest varieties of flora and fauna, with 86% of the Andaman and Nicobar Islands covered in primary tropical rainforests. Of the 2000 plus species of plants that grow on the Andaman and Nicobar Islands, at least 1300 are exclusive and not found in mainland India. 225 species, the Islands are home to the largest and most spectacular butterflies of the world. About 50 varieties of forest mammals are also found here.



- Design a creative scrapbook album on the rich diversity of Andaman and Nicobar Islands depicting a collection of ten species of butterflies found there.
- *Students will paste the pictures of ten species of butterflies and also include a short description of each. Include their unique facts or special features (if any). Make the scrapbook album well illustrated and creative.*

### HINDI

**करते हैं तन-मन से वंदन, जन-गण-मन की अभिलाषा का  
अभिनंदन अपनी संस्कृति का, आराधन अपनी भाषा का।**

भारत के अण्डमान व निकोबार द्वीपसमूह में अनेक क्षेत्रीय भाषाएँ बोली जाती हैं । विशेषकर क्षेत्रीय राजधानी पोर्ट ब्लेयर और उस से दक्षिण में स्थित गाँव-बस्तियों में अनेक स्थानीय बोलियाँ बोली जाती हैं।

**गृहकार्य:** अंडमान व निकोबार में बोली जाने वाली क्षेत्रीय भाषाओं एवं स्थानीय बोलियों से संबंधित किसी भाषा की जानकारी देते हुए कोई एक रचना और रचनाकार के विषय में जानकारी एकत्रित कीजिए एवं A4 साइज शीट पर बुकलेट तैयार करें।

**निर्देश:**

1. बुकलेट को आप कोई भी आकार दे सकते हैं।
2. बुकलेट में चित्र चिपकाना या बनाना अनिवार्य है।
3. चित्र रंगीन होने चाहिए।
4. बुकलेट के कवर पेज पर विषय अवश्य हो ।
5. बुकलेट के पहले पृष्ठ पर आपका नाम, कक्षा और विभाग अवश्य लिखा होना चाहिए।
6. पृष्ठ हल्के रंग के होने चाहिए ।
7. बुकलेट को सजावटी सामग्री द्वारा सुसज्जित कीजिए।

### Mathematics and Social Science

Make a diorama for the Rainforest of Lakshadweep Islands, Andaman and Nicobar Islands. Each class will create a diorama (a scenic representation in which sculpted figures and lifelike details are displayed) showing their selected habitat.

Kindly note:

1. To create the diorama project, a shoe box or other small box may be used as the space for the diorama. The box should not be bigger than an adult sized shoebox. Students may use plastic figures or mould items from clay to represent animals, plants, and objects in their projects.
2. Materials such as magazines (for photos), silk or plastic plants, popsicle sticks, toothpicks, glue, construction paper, and other craft items may be used. Creativity is encouraged!



3. You will be creating a diorama of a habitat on the topics given below. You may make a creative diorama in a group of 5 or individually
4. Guidelines for diorama:
  - (a) You need to cover the inside of your box using paper. This should reflect the habitat that you chose. For example, an ocean habitat would have a blue background to represent water.
  - (b) Write your name and the habitat you chose on the back of the box.
  - (c) At least two animals that live in this habitat
  - (d) At least two plants that live in this habitat
  - (e) Label the items in your habitat
  - (f) On the back of the shoebox, using an index card, describe your habitat by answering the following questions:
    - What are the two specific features of that habitat?
    - What types of plants and animals live in this habitat?
    - What is the environment of this habitat like?
  - (g) After completing the project, you will present your project to the rest of the class. Be prepared to describe your habitat and explain your project work.

**TOPICS:**

**VIII A•** Rainforest in Andaman and Nicobar Islands. Calculate the area of the rainforest in square kms. Also, collect the statistical data of length and breadth of canopies found in rainforests .

**VIII B and C•** Aquatic ecosystem in Andaman and Nicobar Islands. Make a list of 10 unique species of aquatic animals found in Andaman and Nicobar Islands. Note down the population of these species in a tabular form.

**VIII D and E•** Lakshadweep at a glance: Coral Island in Lakshadweep . Collect the facts about Lakshadweep Islands on the basis of the following in a tabular form.

- Area
- Total Population
- Distance from Airport
- Literacy rate
- Net sown area
- Density of population
- Geographical location

**VIII F•** Plant diversity in Lakshadweep Islands.

Collect the data of Lakshadweep Islands climate, temperature range (high and low), rainfall range(days with rain and no rain), absolute and relative humidity from 1st June 23 to 20th June 23.



## SCIENCE

### Habitat Heroes

The Andaman and Nicobar Islands are situated in the southeastern part of the Bay of Bengal and are considered to be a biodiversity hotspot. The Islands play a crucial role in maintaining the ecological balance of the region, as they are home to a large number of endemic species, including animals, birds, and plants.

Endangered species are those that are at a high risk of becoming extinct in the near future due to various factors such as habitat destruction, chasing, pollution, and climate change. The project aims to enable students to explore some of the species of the Andaman and Nicobar Islands that are home to a diverse range of flora and fauna, many of which are classified as endangered.

Some of the endangered and extinct species found in the Andaman and Nicobar Islands are: Saltwater Crocodile, Nicobar Pigeon, Dugong, Andaman Ironwood etc.



To promote the conservation of these endangered species, various measures have been taken by the government and non-government organisations.

1. Establishing protected areas and national parks to conserve the natural habitats of these species.
2. Implementing strict laws to prohibit hunting, poaching, and trade of these endangered species and their products.
3. Encouraging sustainable tourism practices that do not harm the natural habitats of these endangered species.

**Activity :** Develop a GIS-based map or app that provides information on the distribution, habitat, and conservation status of endangered species in Andaman and Nicobar Islands. The map or app can be designed to raise awareness among tourists, researchers, and conservationists about the biodiversity of the region, the threats and challenges facing the species, and the opportunities for conservation and research.

Note: Use this link for your reference

[https://drive.google.com/file/d/19ikZ2Do2\\_zgf97A51xptmYsS5zSiFMPS/view?usp=drivesdk](https://drive.google.com/file/d/19ikZ2Do2_zgf97A51xptmYsS5zSiFMPS/view?usp=drivesdk)

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