

Pre-content/Content/ Post-content	Learning Outcome/Objectives	
<u>Pre-content:</u>	<u>General</u>	<u>Specific</u>
Students know that there is a diverse variety of plants, animals and microorganisms, living in desert. All kinds of plants, animals and other organisms inhabiting a region make up its biodiversity. <u>Contents:</u> ➤ Importance of conservation ➤ Deforestation ➤ Conservation of forests ➤ Threatened Species <u>Post-content:</u> Students will be able to understand that ➤ Difference between wild life sanctuary, national parks and biosphere reserve ➤ How one monitors plants and animals, and how one finds out which species are endangered ➤ Importance for conserving biodiversity	Students will be able to: • discuss the importance of biodiversity i.e. flora and fauna. • explain about the protected areas. • sensitivity towards flora and fauna in order to conserve biodiversity	Students will be able to: • develop the definition of conservation and biodiversity • explore and identify the causes of deforestation • explore the consequences of deforestation • explore Biosphere reserves, Wild Life Sanctuary and National Parks mark on the map of India. • discover the cause of extinction • identify the animals which have become extinct • develop the concept of Endemic species • create awareness of threats posed to wildlife and plants • differentiate between extinct species and endemic species. • adopt the methods of conserving forests

Home Work/Assignments

- Exercise questions
- Extra questions
- Worksheet

AND PROGRESS**MONTH: MAY****CLASS: VIII**

Teacher's Activity	Student's Activity	Teacher's Observation and Remedial action taken
Teacher will- introduce the Lesson and Involve the students in an open discussion on various types of species present on the Earth, their habitat and steps taken for their protection. <u>Annexure 7(A)</u> divide the students into groups and instruct the students to perform an activity on fuel reserves. <u>Annexure 7(B)</u> explain about Flora and Fauna of the Pachmarhi region using ICR content explain about the organization which have been actively involved in conservation of natural resources e.g. CHIPKO movement, Green Peace, PETA etc	Students will- be divided into groups and will be involved in a productive discussion on Why loss of biodiversity is a threat to our environment. <u>Annexure7(a)</u> mark biosphere reserve, national parks and wildlife sanctuaries on India's political map. <u>Annexure 7(b-i)</u> paste pictures of any 3 flora and any 3 fauna of Pachmarhi Biosphere Reserve in their notebooks. <u>Annexure 7(b-ii)</u> paste pictures of 3 species which are endemic to the Pachmarhi Biosphere Reserve <u>Annexure7(b -iii)</u> develop a small RED DATA book of any 10 endangered flora and fauna in India find out about any two independent organization who are actively involved in conservation and write a short paragraph on work done in past 2 years	

Teaching Aids- Active Inspire boards, ICR, Materials for sorting out, Material required for activities, Worksheets

Methodology/Innovative Methods: Activity based teaching, Know to Unknown, Discussions, Audio visual.

Interdisciplinary Links – Art – Creative skills will be developed. English – It will improve the power of expression while explaining the activity and also vocabulary. Geography- It will help the students mark the places in different states.

HOD**Coordinator****Vice-Principal****Principal**

Annexure7 (A), (a)

ACTIVITY NO. 7 – WINDOW TO OUR RICH BIODIVERSITY

Subject	Science
Class	VIII
Chapter/Unit	Conservation of Plants and Animals
Topic	Map Activity
Time	30 minutes
Nature of Activity	Individual

What will I learn (Learning Outcome)?

Will discover the different protected areas on the map of India.

Skills: Analyzing and Creating

What I have to do?

To mark the different protected areas on the map of India.

What do I require?

Political map of India, Internet and Pencil

What do I need to know?

Biological diversity or biodiversity, refers to the variety of organisms existing on the earth, their interrelationships and their relationship with the environment. Wildlife sanctuary, national park and biosphere reserve are names given to the areas meant for conservation and preservation of forest and wild animals.

➤ **Teacher's Activity**

Teacher will-

1. inform the students a day before to bring the political maps of India.
2. explain the importance of conservation of plants and animal species.
3. make pairs of the students and will explain the steps of the activity.
4. ensure that each participant of the pair performs the activity on his/her own.

How will I proceed?

➤ **Student's Activity**

Students will follow the instructions given by the teacher and will write the names of the protected areas marked on the given map of India using the internet.

What have I observed?

Mark the following on the political map of India:-

- 1) Sariska Tiger Reserve
- 2) Ranthambore National Park
- 3) Gir National Park
- 4) Kaziranga National Park
- 5) Kanha National Park
- 6) Sasan Gir Sanctuary
- 7) Periyar National Park
- 8) Chinnar Wildlife Sanctuary
- 9) Pachmarhi Biosphere Reserve
- 10) Nilgiri Biosphere Reserve

What have I learnt?

Plants and animals of a particular area are known as the _____ and _____ of that area. Species found only in a particular area is known as _____.

What am I curious to learn?

- Let me find out about the endemic and endangered species present in different parts of India.
- Let me study the biodiversity of a park nearby. Prepare a detailed report with photographs and sketches of flora and fauna.
- Let me find out about the campaigns launched to protect threatened species like the one launched by Karnataka Government- 'Project Elephant' to save Asian elephants in the state.

Let me evaluate myself

1. What do you mean by the term biosphere reserves?

2. What are 'rare species'? Give some examples.

3. How can we protect wildlife?

4. What is Van Mahotsav? Who started it and when?

5. A new species X is introduced in a forest. How is it likely to affect the local species of that area?

Annexure7 (B), (b-i), (b-ii)

Subject: Science

Activity - National Parks and Sanctuaries in Pachmarhi Biosphere Reserve.

Chapter- Conservation of Plant and Animals

Class: VIII

Duration: 30 minutes

Nature of the activity: Group

Learning Outcome: Students will be able to predict the number of National Parks and Sanctuaries in Pachmarhi Biosphere Reserve.

What we have to do?

Study the Pachmarhi Biosphere Reserve and Identify the National Parks and Wildlife Sanctuaries in that area.

What do we required?

Outline map of Pachmarhi Biosphere Reserve, Cut outs of names of the Wildlife Sanctuaries and National parks in that area.

How do we proceed?

➤ **Teacher's Activity:**

Teacher will be giving following instructions to the students:

1. Students will be divided into groups and each group is provided with the above material.
2. Students will be asked to observe the map carefully and paste the named cut outs of Wildlife Sanctuaries and National Parks at the correct place in the Map.

➤ **Student's Activity:**

Students will paste the cut outs in the given maps.

What do we observe?

What have you learnt?

1. What is a Biosphere Reserve?

2. What is the basic difference between a Wildlife Sanctuary and a National Park?

3. List a few measures taken to conserve the Wildlife in India.

What more can we do?

- Find out the number of national parks, wildlife sanctuaries and biosphere reserves in your district, state and country. Record in Table below.

Protected Area	Wildlife Sanctuary	National Park	Biosphere Reserve
In My District			
In My State			
In My Country			

- Find out any 4 Flora, Fauna and Endemic Species of Pachmarhi Biosphere Reserve and enter it the table given below.

Pachmarhi Biosphere Reserve

S.NO	Flora	Fauna	Endemic Species
1.			
2.			
3.			
4.			

Annexure7b (iii)

Students will develop a small RED DATA book of any 10 endangered flora and fauna in India.