

# CLASS VII MULTI-DISCIPLINARY PROJECT (MDP) ASSIGNMENT: EXPLORING FORESTS & WILDLIFE

**OVERALL PROJECT GOAL:** Develop a comprehensive understanding of forest ecosystems, wildlife interdependence, critical threats, and conservation strategies, ultimately proposing a practical action plan for sustainable living.

## 1. THE FOREST ECOSYSTEM: INVESTIGATE STRUCTURE & INTERDEPENDENCE.



**Task:** Create a detailed cross-section diagram showing 'Canopy,' 'Understorey,' and 'Forest Floor' layers. Explain the roles of decomposers.

- Research and illustrate a unique forest food chain.

**INTERDISCIPLINARY QUESTION:** How do forest layers contribute to animal diversity?

## 2. FORESTS: OUR GREEN LIFELINE: EXPLAIN SERVICES & RESOURCES.



**Task:** Detail 5 critical global services provided by forests (e.g., oxygen production, water cycle regulation).

- List 5 key local resources.

**INTERDISCIPLINARY QUESTION:** Calculate the estimated forest area required for your city's oxygen needs based on map data. Diagram the forest water cycle.

## 3. IDENTIFYING THREATS: ASSESS CAUSES & CONSEQUENCES.

**Task:** Select one major threat (e.g., deforestation, wildfires, species endangerment).

- Research its primary human and natural causes.
- Present a global map of affected areas and a 'BEFORE/AFTER' visual comparison.



**INTERDISCIPLINARY QUESTION:** Present a case study of a specific species affected by habitat loss.

## 4. REPORTING ON CONSERVATION IN INDIA.



**Task:** Use an Indian map to locate and create profiles for 3 major national parks (e.g., Jim Corbett, Kaziranga, Periyar). Detail the status and key actions of one major conservation project (e.g., Project Tiger).

**INTERDISCIPLINARY QUESTION:** Create a fact file on an endangered Indian species and design a conservation poster.

## 5. DEVELOPING OUR ROLE: PROPOSE CONSERVATION & SUSTAINABLE LIVING.



**Afforestation/Reforestation:** Planting trees.



**Recycling:** Use paper, reduce, reuse.



**Awareness:** Spread knowledge.



Conservation of local forests, and ideas of protection at trust trees.

**Task:** Devise a comprehensive 5-step personal or school-wide action plan for sustainable resource use (e.g., paper use, reforestation, local awareness). Design a community awareness event or skit.

**INTERDISCIPLINARY QUESTION**

**EVS** Integrate math, art, and language to present your plan with practical data and a creative approach.

## INTEGRATION GUIDELINES & FINAL SUBMISSION DETAILS

Your final project should be a combined presentation of all five task reports. Include a reflection on how different subjects (Science, EVS, Art, Social Studies) contributed.

**Final Submission Due Date:** [Insert Date] | **Evaluation Criteria:** Research depth, integration across subjects, clarity, creativity, and practical applicability. | **Teacher Signature Field:** \_\_\_\_\_



# KENDRIYA VIDYALAYA



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केन्द्रीय विद्यालय संगठन

## MULTIDISCIPLINARY PROJECT WORK

### Topic - Conservation of plants

Class -VII \_\_\_\_\_

Subject Teacher - \_\_\_\_\_

Subject -Science \_\_\_\_\_

#### 1. What is plant conservation? Why is it important for the environment?

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Conserve plants,  
conserve life.

#### 2. What are the main causes of deforestation?

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Trees cut for farming



Cutting trees for timber



Mining activities



Forest fire

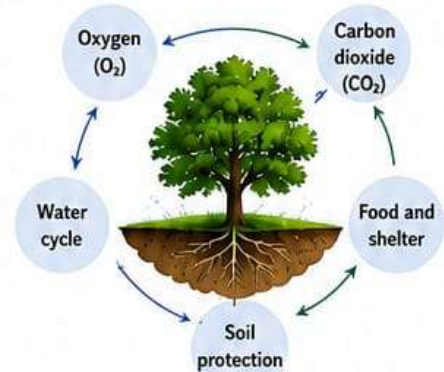
#### 3. How do plants help in maintaining ecological balance?

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#### 4. What is afforestation and reforestation? Explain with examples.

| Afforestation | Reforestation |
|---------------|---------------|
| <hr/>         | <hr/>         |
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Afforestation



Reforestation

#### 5. What are endangered plant species? Give two examples.

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Red Sanders



Himalayan Yew

#### 6. How does cutting trees affect rainfall and climate?

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