

**LESSON TITLE:** Conservation of Plants and Animals

**TIME** [in 60 minutes]

## OVERVIEW

Students will explore the Biosphere Reserves of India using the Google Earth Voyager Stories and will gain appreciation and understanding of the biosphere through this lesson.

**SUBJECT/TOPIC :** Biosphere Reserves of India

**AGE LEVEL:** Grade VIII



### Learning Objectives:

Learners will be able to:

1. conserve diversity and integrity of plants, animals and micro-organisms.
2. promote research on ecological conservation and other environmental aspects.



### Inquiry

1. Name the different layers of atmosphere
2. Enumerate the places where we find life on earth.
3. How does earth's temperature affect the biosphere reserves?






### Materials Needed

1. Access to Google Earth
3. Computer with projector
3. Student Copies of lesson quiz
4. Poster boards
5. student Internet access

### Lesson Summary

- Engage: Locate the different Biosphere Reserves of India based on Google Earth imagery.
- Explore: Gather information from multiple sources about the Biosphere Reserves and the plants, animals and micro-organisms that live there.
- Explain: Identify changes to the Biosphere Reserves of India and hypothesize the causes and how the flora and fauna is being affected.

	<ul style="list-style-type: none"> <li>● Revise: Adjust hypotheses based on additional evidence from class discussion.</li> <li>● Apply: Make an impact by creating a poster and educational campaign and an action plan that addresses the threats of climate change to the flora and fauna.</li> </ul>
 <b>Sustainable Development Goals</b> <ol style="list-style-type: none"> <li>1. SDG- 13</li> <li>2. SDG- 14</li> <li>3. SDG- 15</li> </ol>	 <b>Culminating Task/Assessment</b> <p>Students will work collaboratively to create an educational campaign about the effects of climate change on the flora and fauna and what humans can do to help.</p>

 <b>Textbook Chapter : Conservation of Plants and Animals</b>
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## Lesson Plan:

### Engage (5 minutes)

- Display some pictures of variety of living things including plants and animals, living in a region.
- The pictures also show the interaction between plants and animals.
- The learners will describe the pictures.
- Then the terms 'flora' and 'fauna' are introduced and the learners are asked to describe the two terms giving examples from the pictures seen.
- The learners are then asked to discuss examples of how flora and fauna may interact with each other.

### Explore (25 minutes)

- Introduce the first source of information using Google Earth Voyager story.  
<https://earth.google.com/web/@18.88963803,85.26999488,-199.66874357a,4364934.22846033d,30y,0h,0t,0r/data=MicKJQojCiExOEK4UHVraUstMkJFZzVqRHltZUdZT0gwOXNkckVJWVg6AwoBMA?authuser=0>
- Learners record observations of the flora and fauna found in the biosphere reserves of India
- Learners will identify the impact of climate change on the biodiversity and discuss the consequences.

### Explain (20 minutes)

- Learners work in small groups and share their hypothesis and evidence.
- Learners will enumerate the places where we find life on earth.
- Learners will try to find the answer for the impact of global warming/climate change on the biosphere reserves.

### Revise (10 minutes)

Learners will discuss on the following :

- conserve diversity and integrity of plants, animals and micro-organisms.
- Ways to promote research on ecological conservation and other environmental aspects

### Credits

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