

5 Step Lesson design for Geography

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General objectives of Geography Teaching:

- To study earth as the home of human beings.
- To study areal differentiation of the earth's surface.
- To study interaction between human beings and their environment.
- To develop patriotism among the learners.

(Note: Mention the general objectives on the first page of lesson plan book. No need to mention them with each lesson.)

Date:

Class

Subject: Geography

Topic:.....

Entry behaviour:

Students are expected to know about their State, its regions, hottest and coldest regions, regions receiving high rainfall, and know about the dry region of the State.

Learning outcomes: SWBAT

- Know about the "altitude" as a factor affecting climate of J&K

Learning resources:

- Map(s) of J&K depicting different regions of J&K.
- Diagram(s) showing altitude of different regions of J&K.

OPENING: (Introduction or Launch)

Q: What is the name of our state?

Answer: Jammu and Kashmir

Q: How many regions are there in our state?

Answer: There are 3 regions: Jammu, Kashmir and Ladakh.

Q: Which of these regions is cold?

Answer: Ladakh.

Q: Which region receives highest rainfall?

Answer: Jammu

Q: Which region has moderate temperature conditions?

Answer: Valley of Kashmir

Q: These facts reveal that the climatic conditions of Jammu and Kashmir are not uniform. The climatic conditions of Jammu and Kashmir vary from region to region. Why do the climatic conditions vary?

Answer: ?

So, we need to understand what are the reasons and factors that cause the temperature to vary in the three regions of J&K

I DO (Explain)

Can you imagine any factors that could determine the climate of a place? If learners are able to think about any, then the teacher will take up one of those factors first. Otherwise the teacher will proceed with taking up for example: "altitude."

(Using the diagram showing altitudes of Jammu, Kashmir and Ladakh)

How many regions are there in J&K? (Letting students point to the regions on the diagram/map, if they can identify)

What is the height of Jammu above sea level?

What is the height of Srinagar above sea level?

What is the height of Leh above sea level?

What is this height above sea level called?

Now we have come to know that height above sea level is called altitude.

The altitude of Jammu, Kashmir and Ladakh are 366mts, 1585mts and 3505mts respectively as seen in the diagram.

S. No	City	Altitude (in mts)	Mean annual Temperature	Climatic type
01	Jammu	366	25 ^o	Sub-tropical

So with the increase in altitude, temperature decreases. Jammu has sub-tropical type of climate.

We do: (Guided practice/Explore)

Now children, you will break into groups of 4 each and using the diagrams I expect you will find the altitude and, temperature and climate type of Srinagar and Leh. The teacher may provide them other learning resources like map of J&K, diagrams depicting altitude and pictures from textbook.

S. No	City	Altitude (in mts)	Mean annual Temperature	Climatic type
01	Jammu	366	25 ⁰	Sub-tropical
02	Srinagar	1585	13 ⁰	Temperature
03	Leh	3505	5 ⁰	Sub-arctic

During this phase the teacher will help the struggling learners and groups and help them use the resources made available by the teacher.

You Do: (independent practice/Summarise)

Now, dear students, you have already worked to find out different altitudes and temperatures, now it would be fine if you present your findings before the whole class the information they have put together. During presentation the teacher may help struggling groups and learners and also ask some questions that may help in generalization like which areas within Kashmir/Jammu/Leh could be colder than others. (like hill-stations are colder than main towns). The teacher should also see whether the learners have an idea about distance in 'meters' and temperature in 'degrees.'

(Note: in this lesson design the learners are asked to **Summarise** the understood content through presentation in groups. Otherwise, **Independent Practice** could be initiated individually where the teacher can give them tasks individually to reinforce learning.

Closing:

- Which region has highest altitude in J&K?
- Which region has lowest altitude in J&K?
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The teacher may ask some questions and give home assignment.