

SUBJECT – GEOGRAPHY

TOPIC-AIR

CONTENT	GENERAL OUTCOMES	SPECIFIC OUTCOMES
	The students will be able to-	The students will be able to-
-PRE- CONTENT Seasons in India and concept of atmosphere	recall the major Seasons of India	enlist the major Seasons of India
-CONTENT Weather Climate	gather some facts about weather and climate	tabulate the difference between weather and climate
-Factors influencing climate	identify the Factors influencing climate	collect information about major factors that influence the climate of a place
-Winds	recognise the different types of winds	classify winds into 3 broad divisions:-Permanent, Seasonal and Local
-Map Activity Major pressure belts	examine the relationship between temperature and associated pressure belts	locate different pressure belts on world political map
-POST CONTENT • Worksheet	apply knowledge to complete the worksheet	collaboratively work in the discussion of questions given in the worksheet

HOMEWORK/ASSIGNMENT

- Read the lesson
- Make a weather report of any five major cities of India as experienced in the last week.
- Complete the Question&Answers in notebook

MONTH-JULY**CLASS-VII**

TEACHER'S ACTIVITY	STUDENT'S ACTIVITY	TEACHER'S OBSERVATION AND REMEDIAL TAKEN
Teacher will-	Students will-	
-take up the brainstorming session recalling the features of the atmosphere and seasons in India	-recall the features and make the diagram of the layers of the atmosphere	
-initiate a group discussion on the concept of weather and climate based on Think-Pair-Share activity	-take part in the activity and share their views about the features of weather and climate	
-ANNEXURE 4A hold a discussion on factors affecting the climatic conditions of a place	ANNEXURE 4a prepare weather report of one week of five major cities of India and will list the factors behind such weather conditions	
-ANNEXURE 4B highlight the different types of winds	participate in the discussion and take notes of important points	
-ANNEXURE 4C - MAP ACTIVITY -guide the students to complete the activity	-ANNEXURE 4c follow the instructions to complete the activity	
-refer to the worksheet given in the ANNEXURE 4C	-complete the worksheet given in the ANNEXURE 4c	

Teaching Aids: Newspaper, Weather reports, Activity sheet and other relevant material

Methodology/Innovative Methods: Weather report reading, Finding information about cyclones from the internet, Sharing of information amongst friends, Quiz, Crosswords, Activity based learning

Interdisciplinary Links: Geography – Climate and weather, Value Education – Weather report from the newspaper

COORDINATOR

HOD

VICE PRINCIPAL

PRINCIPAL

ANNEXURE 4A- Teacher will highlight the factors affecting the climate of a place.

FACTORS WHICH AFFECT CLIMATE

- LATITUDE
- ALTITUDE
- DISTANCE FROM THE SEA
- PRESSURE AND WIND SYSTEM
- RELIEF
- OCEAN CURRENTS

ANNEXURE 4a- Students will prepare weather report of one week of five major cities of India and will list the factors behind such weather conditions

ANNEXURE 4B- Teacher will explain different types of winds.

TYPES OF WINDS

PLANETARY

TRADE

WESTERLIES

PERIODIC

LOCAL

ANNEXURE 4C- Teacher will guide the students to complete the activity.

ANNEXURE 4c- Students will follow the instructions to complete the activity.

EXPERIENTIAL LEARNING-ACTIVITY NO. G - IV

Subject	Geography
Class	IV
Chapter	L-4, Air
Topic	Weather and Climate
Time	20 minutes
Nature of Activity	Individual

Activity Title - Map pointing

What will I learn(Learning Outcomes)? - The students will be able to:

- examine the relationship between temperature and associated pressure belts of an area.
- locate different pressure belts on the world political map.

SKILLS: Analysing and Applying

What I have to do? – To mark the major pressure belts on the world political map.
What do I require? – pencil/pen, eraser, world map.

What do I need to know? –

- Elements of weather-Temperature, Air pressure, Wind and Precipitation.
- Air pressure belt-A pressure belt is a region on the earth which is dominated by either high pressure cells or low pressure cells.

Teacher's Activity- Teacher will:

- explain the development and concept of air pressure.
- explain the major pressure belts and guide the students to locate the same on a world political map.
- ask the students to bring a world political map, pencil, pen, colours and eraser for the map activity.

- instruct students to use red colour for low pressure belts and blue colour for high pressure belts.

Student's Activity- Students will:

- locate the major pressure belts on the world political map.
- paste the maps in their notebooks.

What have I observed?

Observation table- Major Air Pressure Belts*Sample filled.

<u>Major Air Pressure Belts</u>	<u>Location</u>	<u>Climatic conditions</u>
*Equatorial low pressure	0 to 5 degree north and south of the equator	Due to vertical rays of the sun here, there is intense heating.

What have I learnt?

- Air pressure is measured by an instrument called _____.
- _____ are the horizontal movements of air caused by temperature changes, which in turn cause changes in air.

What am I curious to learn?

- Tropical Cyclone Amphan has hit the coast of West bengal. This has evolved due to the unequal heating of the earth surface. Find out more about the development and effects of this cyclone.

Let me evaluate myself-

Q.1 Fill in the blanks.

(I) The standard unit of measuring temperature is degree_____

(II) Places with high-temperature have _____ air pressure.

(III) Average Weather conditions take over a long period of time in a large area is known as _____.

Q.2 Name the two elements of weather.

Ans. _____
_____.

Q.3 Match the Columns:

Column A	Column B
(a) Permanent Winds	I Monsoons
(b) Seasonal Winds	II Land and Sea breeze
(c) Local Winds	III Westerlies and Easterlies

Q.4 State whether the following statements are true or false.

- Our atmosphere is divided into five layers.
- Climate can change from day today.
- The air always moves from low-pressure areas to high-pressure areas.
- Local winds blow only during a particular period of the day or year in a small area.
- Heavy air rises up and creates a high-pressure area.

Q.5 Draw and label the diagram of Land and Sea breeze.