

LESSON PLAN

Class : X	Name of the Teacher : SUNKARI RAMBABU
Subject : SOCIAL STUDIES	School : ZPHS, Garudabilli

Name of the Lesson/ Unit	Topic	No. of Periods Required	Time line for teaching		Any specific Information
			From	To	
Climate of India	<ul style="list-style-type: none"> Climate and Weather Climographs 	2	19/08/2022	20/08/2022	The state of atmospheric conditions over an area at a particular time refers to weather. Climate refers to such conditions over a large area and long period. Climographs shows temperature, rainfall etc.
	<ul style="list-style-type: none"> Factors influencing climate and weathers 	3	22/08/2022	24/08/2022	Latitudes, land water relationship, Relief and upper atmospheric currents are the factors influencing climate and weather.
	<ul style="list-style-type: none"> Seasons 	2	25/08/2022	26/08/2022	Winter, summer, advancing monsoon, retreating monsoon are the seasons in India.
	<ul style="list-style-type: none"> Global warming and Climate change AGW 	2	27/08/2022	29/08/2022	Global warming that occurred due to human activities is called AGW. (AGW- Anthropogenic Global Warming)
	<ul style="list-style-type: none"> Impacts of climate change on India 	1	30/08/2022	30/08/2022	Melting glaciers, increase sea level, submerged seashore areas are the impacts of climate change on India.

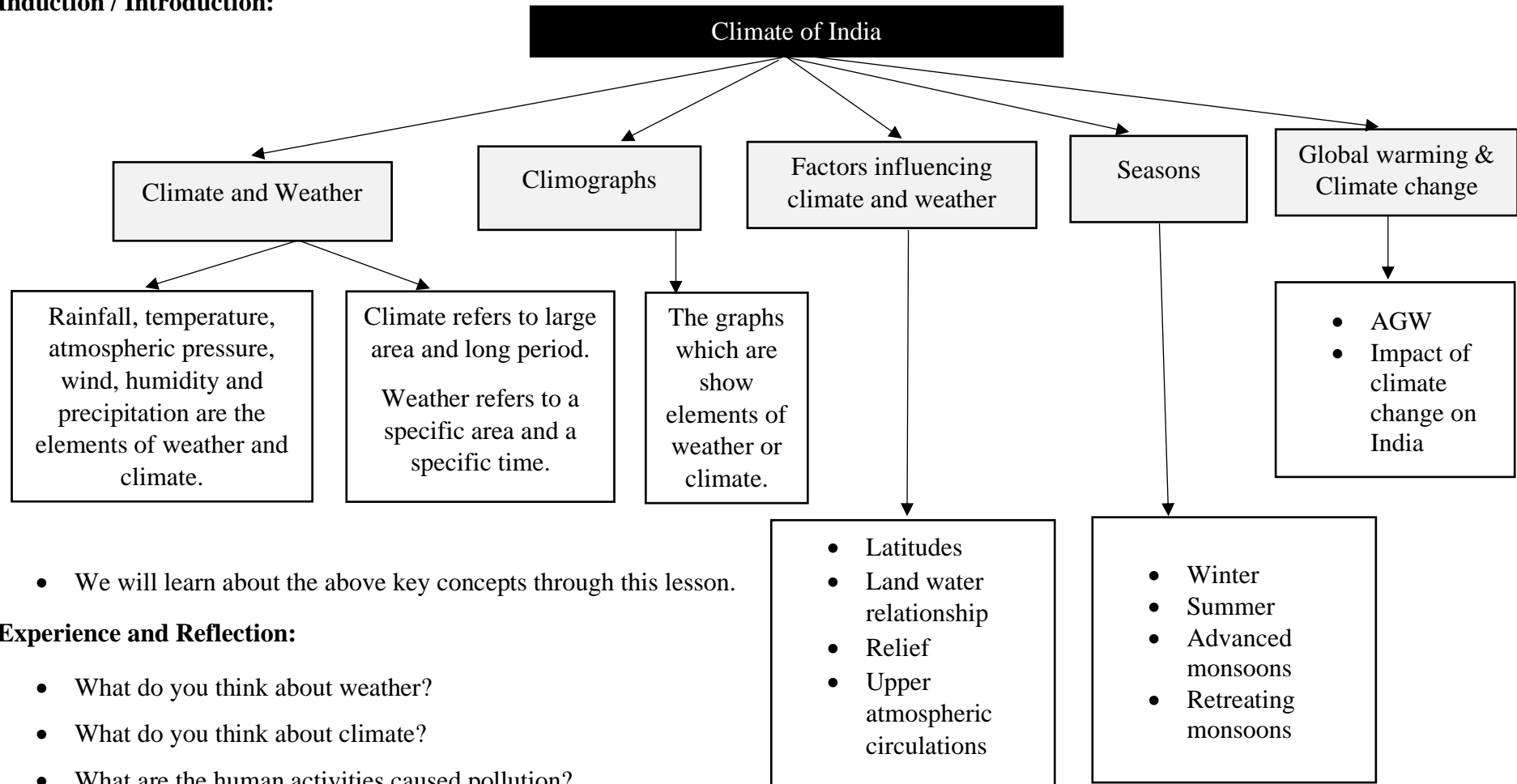
Prior Concepts / Skills:

- Temperature, rainfall
- Weather
- Latitudes, longitudes
- Equator, Tropic of cancer etc.
- Human activities that are caused to global warming.
- Season – winter, summer, rainy
- India – states
- Hemispheres etc.

Learning Outcomes	No. of Periods
▪ Differentiate weather and climate.	10
▪ Analyse climographs and understand the elements of climate or weather.	
▪ Appreciate the role of monsoons in the development of India.	
▪ Understand the climate controls or factors influencing climate or weather.	
▪ Explain the seasons in India.	
▪ Understand the concept of AGW and its impact on India.	

TEACHING LEARNING PROCESS

Induction / Introduction:



- We will learn about the above key concepts through this lesson.

Experience and Reflection:

- What do you think about weather?
- What do you think about climate?
- What are the human activities caused pollution?
- Name any two cyclones which were recently occurred?

Explicit Teaching / Teacher Modelling (I Do)	Group Work (We Do)	Independent Work (You Do)	Check for Understanding Questions	TLM (Digital + Print)
<ul style="list-style-type: none"> ➤ Explain the differences between weather and climate, elements of climate, climographs. ➤ Ask to collect newspaper clippings related to weather and climate and prepare a report on them as a group activity. ➤ Ask to fill up the table in textbook page no.46 based on the climographs in textbook page no.45. ➤ Ask to answer the intext questions in text book page no.46 based on the table in that page. ➤ Ask to point the places in India map which are given in the climographs in text book page no.45. 	<ul style="list-style-type: none"> ➤ Participated in collection of newspaper clippings related to weather and climate and prepare a report on them. 	<ul style="list-style-type: none"> ➤ Fill up the table in textbook page no.46 based on the climographs in textbook page no.45. • Note down the answers to the intext questions in text book page no.46 based on the table in that page. • Point out the place in India map which are given in the climographs in text book page no.45. 	<ul style="list-style-type: none"> • What are the elements of climate or weather? • What are the differences between climate and weather? • What is meant by climograph? 	<p>Textbook - APSCERT</p> <p>PPT</p> <p>World map</p> <p>Globe</p> <p>DIKSHA video</p> <p>Climographs</p>

Explicit Teaching / Teacher Modelling (I Do)	Group Work (We Do)	Independent Work (You Do)	Check for Understanding Questions	TLM (Digital + Print)
<ul style="list-style-type: none"> • Explain about factors influencing on climate and weather – Latitude Land water relationship Relief Upper atmospheric circulations • Demonstration about influence of latitudes on climate and weather based on the PPT – Prime latitudes and India map. • Explain the influence of land water relationship, relief and upper atmospheric circulations based on India map and DIKSHA video. • Ask to collect the information recording the places which are highly influenced by relief, land water relationship as a class room work. • Ask to locate the above identified places in India map. 	<ul style="list-style-type: none"> • Participated in collect the information recording the places which are highly influenced by relief, land water relationship. 	<ul style="list-style-type: none"> • Note down the notes related to factors influenced on climate and weather. • Locate the places identified in class room work in India map. 	<ul style="list-style-type: none"> • What are the factors influencing on climate and weather? • How land water relationship influenced on weather and climate of a place? • How relief influenced on a climate of a place? 	<p>Textbook - APSCERT</p> <p>PPT</p> <p>World Map</p> <p>India Map</p> <p>DIKSHA video</p>

Explicit Teaching / Teacher Modelling (I Do)	Group Work (We Do)	Independent Work (You Do)	Check for Understanding Questions	TLM (Digital + Print)
<ul style="list-style-type: none"> • Explain about seasons and traditional seasons in India. • Display the India maps in textbook page no.49, 50, 52 and explain about seasons. • Ask to analyse the India maps in textbook page no.49, 50, 52 as a group work. • Ask to read the India maps in textbook page no. 49, 50, 52 and prepare some questions based on them as an individual work. • Ask to answer the intext questions in textbook page no. 47 -50. 	<ul style="list-style-type: none"> • Participated in the group work on the India maps in textbook page no.49, 50, 52 as a group work. 	<ul style="list-style-type: none"> • Read and prepare questions on the India maps in textbook page no. 49, 50, 52. • Answer the intext questions in textbook page no. 47 -50. 	<ul style="list-style-type: none"> • What are the seasons in India? • Name the traditional seasons in India? • What do you know about western disturbances? • What is meant by October heat? • Which is the coldest month in India? • Which is the hottest month in India? 	Textbook - APSCERT PPT World Map India Map Globe DIKSHA video
<ul style="list-style-type: none"> • Explain about global warming, climate change and AGW. • Organise group discussion on impacts of climate change on India. • Ask to collect the information related to cyclones occurred recently. 	Participated in group discussion on impacts of climate change on India.	<ul style="list-style-type: none"> • Collect the information related to recent cyclones. • Note down the impacts of climate change on India. 	<ul style="list-style-type: none"> • Expand AGW. • What are impacts of climate change on India? 	Textbook - APSCERT PPT India Map DIKSHA video

Afresh Information/ Current events related to this topic

This is a table of all storms in the 2022 North Indian Ocean cyclone season. It mentions all of the season's storms and their names, duration, peak intensities according to the IMD storm scale, damage, and death totals. Damage and death totals include the damage and deaths caused when that storm was a precursor wave or extratropical low. All of the damage figures are in 2022 USD

Asani	May 7 – 12	Severe cyclonic storm	110 km/h (70 mph)	988 hPa (29.18 inHg)	Andaman and Nicobar Islands, Andhra Pradesh , Tamil Nadu , Karnataka , Odisha
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List of Northern Indian Ocean tropical cyclone names (effective from 2020)

List	Contributing nation												
	Bangladesh	India	Iran	Maldives	Myanmar	Oman	Pakistan	Qatar	Saudi Arabia	Sri Lanka	Thailand	U.A.E.	Yemen
1	Nisarga	Gati	Nivar	Burevi	Tauktae	Yaas	Gulab	Shaheen	Jawad	Asani	Sitrang	Mandous	Mocha
2	Biparjoy	Tej	Hamoon	Midhili	Michaung	Remal	Asna	Dana	Fengal	Shakhti	Montha	Senyar	Ditwah
3	Arnab	Murasu	Akvan	Kaani	Ngamann	Sail	Sahab	Lulu	Ghazeer	Gigum	Thianytot	Afoor	Diksam
4	Upakul	Aag	Sepand	Odi	Kyarthit	Naseem	Afshan	Mouj	Asif	Gagana	Bulan	Nahhaam	Sira
5	Barshon	Vyom	Booran	Kenau	Sapakyee	Muzn	Manahil	Suhail	Sidrah	Verambha	Phutala	Quffal	Bakhur
6	Rajani	Jhar	Anahita	Endheri	Wetwun	Sadeem	Shujana	Sadaf	Hareed	Garjana	Aiyara	Daaman	Ghwyzi
7	Nishith	Probaho	Azar	Riyau	Mwaihout	Dima	Parwaz	Reem	Faid	Neeba	Saming	Deem	Hawf
8	Urmi	Neer	Pooyan	Guruva	Kywe	Manjour	Zannata	Rayhan	Kaseer	Ninnada	Kraison	Gargoor	Balhaf
9	Meghala	Prabhanjan	Arsham	Kurangi	Pinku	Rukam	Sarsar	Anbar	Nakheel	Viduli	Matcha	Khubb	Brom
10	Samiron	Ghurni	Hengame	Kuredhi	Yinkaung	Watad	Badban	Oud	Haboob	Ogha	Mahingsa	Degl	Shuqra
11	Pratikul	Ambud	Savas	Horangu	Linyone	Al-jarz	Sarrab	Bahar	Bareq	Salitha	Phraewa	Athmad	Fartak
12	Sarobor	Jaladhi	Tahamtan	Thundi	Kyeekan	Rabab	Gulnar	Seef	Alreem	Rivi	Asuri	Boom	Darsah
13	Mahanisha	Vega	Toofan	Faana	Bautphat	Raad	Waseq	Fanar	Wabil	Rudu	Thara	Saffar	Samhah

Assessment:

1. Describe India's climate controls?
2. What are disagreements between "developed" and "developing" countries about AGW?
3. What is meant by global warming?
4. What are the activities caused global warming? Give suggestions to prevent global warming?
5. Write a short note on factors influencing climatic variations in hilly areas and deserts?
6. Point out the given places in India map? Chennai, New Delhi, Leh, Jaipur, Anantapur, Gangtok, Trivandrum, Hyderabad.

Signature of the Teacher

Signature of the Headmaster

Visiting officer with remarks