

LESSON PLAN (PERIOD -WISE)

SUBJECT: SOCIAL SCIENCE

GRADE: VII

Chapter Number and Title of Chapter	CHAPTER 4 AIR
Period Number	DAY 1 (approx. 40 min each)
Learning Objectives	Students will be able to 1) Define the meaning of Atmosphere. 2) Explain the concept of composition of air. 3) Explore different layers of Atmosphere.
Teaching Aids / Resources	Video (Explanation) . Power point presentation.
Previous Knowledge/ Curiosity Questions	Students will be asked various questions related to their previous knowledge. Q1) What are the essential things which we need for our living? Q2) Which layer protect us from harmful UV rays? Q3) What are four domains of the earth? Q4) Which gas is inhaled and exhaled by humans?
Announcement of topic	Students today we will study about the concept of Atmosphere , its composition and structure.
Teaching Methodology/ Strategy	Transaction will proceed in the following manner- TOPIC : ATMOSPHERE AND ITS COMPOSITION ACTIVE LEARNING Students will be asked to make different groups and find out different gases which are present in our Atmosphere and why they are essential for us. TOPIC:- STRUCTURE OF ATMOSPHERE DIFFERENTIATION Students will be ask to find out different layers of Atmosphere and how they are helpful to us. <i>Guided practice followed by Independent Practice-</i> NCERT questions to be discussed in the classroom.
Content Obligatory Vocabulary (Keywords)	Atmosphere- The earth is surrounded by a huge blanket of air . Greenhouse gas- Carbon dioxide released in the atmosphere creates a green house effect by trapping the heat from the earth.. Global Warming- When the level in the atmosphere increases due to factory smoke or car fumes, the heat retained increases the temperature of the earth.

	Troposphere- It is most important layer and life exists here only. Its height is 13km. Stratosphere- It extends up to height of 50km. Here weather phenomenon took place. Mesosphere- It extends up to 80 km. Meteorites burn in this layer. Thermosphere- It extends between 80 to 400 km. It helps in radio transmission.
Learning Concepts/ Teaching Points	In this chapter we will study about:- 1 The concept of Atmosphere and its composition. 2 The Structure of Atmosphere.
Subject Enrichment Activities for Internal Assessment	1) Draw a pie chat using different things for representing gases and label them. 2) Draw a well labelled diagram of Structure of Atmosphere.
Recapitulation :	Q1)FILL UPS: a) _____ is surrounded by huge blanket of air. b) _____ creates greenhouse effect in atmosphere. Q2) GUESS WHO AM I :- a) I am plentiful gas in nature. b) Life exists in this layer and weather phenomena like rainfall, fog occur here. c) I am free from clouds and aeroplanes fly here. d) I am the third layer and Meteorites burn here. e) I am the upper most layer and I have very thin air. f) I helps in radio transmission.
Assignment:	Students will be given question in their homework related to the concept. Q1) Define Atmosphere. Q2) What is composition of Air? Q3) Name all the layers of Atmosphere and Explain them in detail. Q4) Why nitrogen is helpful to the plants?