

LESSON PLAN

SUBJECT	SCIENCE	CLASS – VIII	NO. OF PERIODS REQUIRED : 7
LESSON TO BE TAUGHT	Chapter : 18 — Pollution of Air and Water		
MY FOCUS	1. Air –Composition 2. Air Pollution 3. Air Pollutants – Smog, CFCs, Carbon monoxide, Unburnt particles 4. Case study –The Taj Mahal 5. Green House Effect-Global warming 6. Acid Rain 7. Step to reduce air pollution 8. Water Pollution and its harmful effects 9. Potable Water – Ways to make water fit for drinking		
STUDENT ACTIVITY	Group discussion on ‘Air Pollution : Causes and Control’.		
PRACTICE ASSESSMENT	Q1. Name the gases that are mainly responsible for acid rain. Ans. Sulphur dioxide (SO₂) and Nitrogen dioxide (NO₂).		
	Q2. Carbon monoxide is one of the most dangerous pollutants .Do you agree? Ans. Yes, because it mixes with blood and prevents it from carrying proper amount of oxygen.		
	Q3. Carbon dioxide is the only greenhouse gas .Do you agree? Give reason. Ans. No, gases such as methane, nitrous oxide and water vapour also contribute towards the greenhouse effect.		
ADDITIONAL INFORMATION	Van Mahotsav is an annual tree planting festival celebrated all over India for a week in the month of July. During this festival millions of trees are planted .It was started in 1950 by K.M. Munshi who was the Union Minister for Agriculture and Food at that time.		
CAN DO STATEMENTS	1. Students are able to analyse the main components of air. 2. Students are able to enlist and explain major air pollutants and their harmful effects. 3. Students are able to suggest possible steps to be taken to control air pollution. 4. Students are able to relate air pollution with water pollution. 5. Students are able to recognize the major water pollutants. 6. Students are able to conduct simple investigations to seek answers to queries. For e.g. (1) Why Ganga has become one of the most polluted river of the world? (2) What can be done to conserve air and water for future generations? 7. Students are able to explain the ways to make the water fit for drinking.		