

LESSON PLAN

SUBJECT	SCIENCE	CLASS – VIII	NO. OF PERIODS REQUIRED : 7
LESSON TO BE TAUGHT	Chapter : 13 — Sound		
MY FOCUS	1. Sound 2. Sound produced by humans 3. Sound needs a medium for propagation 4. Human ear 5. Related terms –amplitude, time period and frequency of a vibration 6. Characteristics of sound 7. Audible and inaudible sounds 8. Noise and music 9. Noise pollution and measures to limit noise pollution		
STUDENT ACTIVITY	Group discussion on : Hearing impairment and the ways to overcome this problem		
PRACTICE ASSESSMENT	Q1. Why do women have shriller voice than men? Ans. Because the frequency of women's voice is higher than that of men.		
	Q2. Can sound produced on the moon travel to the earth? Give reason. Ans. No, there is no air present there and sound cannot travel through vacuum.		
	Q3. Write any two main causes of noise pollution. Ans. Road traffic and noise from industries		
ADDITIONAL INFORMATION	The smallest bone of the human body is present in ear called stapes.		
CAN DO STATEMENTS	1. Students are able to understand that sound is produced by rapid to and fro movements called vibrations. 2. Students are able to understand that humans produce sound in the larynx due to vibration in the vocal cords. 3. Students are able to understand that sound travels with maximum speed in solid and with minimum speed in gases. 4. Students are able to understand that the human ear has three parts – outer, middle and inner. The auditory nerve connects the inner ear to the brain. 5. Students are able to understand that the maximum distance to which an oscillating object moves from its central position is called amplitude. The time taken to complete one oscillation is called the time period. The number of oscillation per second is called frequency. 6. Students are able to understand the factors which make the sounds different from each other. These factors are loudness , pitch and quality 7. Students are able to understand that human can hear sound with frequency between 20 hertz and 20000 hertz. 8. Students are able to understand that regular vibrations produce musical sound whereas irregular vibrations produce noise. 9. Students are able to understand that excess noise in our environment is called noise pollution. It is harmful for health.		