

SALWAN PUBLIC SCHOOL, RAJENDRA NAGAR
CLASS – X
LESSON PLAN-2

CHAPTER-14: SOURCES OF ENERGY

Topic	Non conventional sources of energy
Class Transaction	Total: 3-4 periods (approx. 35 min each) Sub-topics: 1.Non- Conventional sources of energy 2.Renewable and non renewable resources 3. Environment conservation
Pre-requisite for the course	Students should previously know the 1. Classification of conventional and non-conventional sources of energy. 2. Importance of energy obtained from non-conventional sources. 3. Understand the need of non conventional resources
Learning Objectives	Students will be able to: - Differentiate between conventional and non conventional sources of energy - Explain how energy can be harnessed from natural resources. - Understand that non conventional sources has been developed to meet the demands of energy - Explain various non conventional sources with their mechanisms - Correlate the advantages and disadvantages of using non conventional sources - Justify that demand of energy should not be met at the cost of exploiting resources and degrading environment.
Methodology (The teacher can use the mentioned techniques, wherever applicable ,and can use any other too.)	<i>Transaction would proceed in the following manner-</i> <i>Brain Storming-</i>The class would start with a discussion on what the students have already learnt in the previous classes and hence what is it that they would learn now. They would also be told the significance of the topic that they would be studying. Methodology – Lecture-cum discussion Method, Demonstration method Introduction of the topic- Teacher will introduce the topic by asking various questions: Sample 1- Name some of the conventional fuels. Sample 2- How are they different from non conventional fuels. Sample-3 Why are we developing mechanisms to harness energy from non conventional sources. Explanation: Teacher will explain the types of non conventional sources of energy using a power point presentation and digital content. - All non conventional sources will be explained with their mechanisms. - Various sources of energy will be explained giving emphasis on their advantages and disadvantages. - Each source of energy will be explained along with the process of harnessing energy from them. - All the sources of energy will be correlated with the law of

	transformation of energy using images and digital content. - Teacher will also explain the importance of environment and renewable resources using facts and textual material.
Learning Outcomes	After the completion of the topic, learners will be able to: - Enlist non conventional sources of energy - Explain the importance of non conventional sources. - Understand the importance of harnessing energy from them. - Differentiate renewable and non-renewable sources of energy
Self-Study, Homework Assignments	On completion of the chapter, students will be able to answer the following revision questions: 1. Make a list of sources of energy which we can obtain from the sea. 2. Explain the mechanism of working of solar cell. 3. Write a short note on the nuclear fuels and their various hazards? 4. Why is it essential to save our natural resources? Also write any five eco-friendly fuels which should be extensively used in future? 5. Differentiate between renewable energy and non renewable energy.