



# Delhi Public School Srinagar

## LESSON PLAN

Session 2015-2016

<b>Class</b>	: X
<b>Subject</b>	: Chemistry
For the Month(s) of	: August and September
<b>Theme</b>	: <i>Carbon and its Compounds</i>
<b>Periods</b>	: <i>Theory (12) and Practical (3)</i>

**OBJECTIVES (CONCEPTS & SKILLS):** :

- *Basic concept of Carbon and its compounds.*
- *Concept of existence of carbon, its allotropes and hydrocarbons.*
- *Concept of physical and chemical properties of compounds.*
- *Structure and nomenclature of organic compounds.*
- *Textbook problems related to the topic.*

*The teacher will keep the following skills in view:*

- *Scientific Aptitude*
- *Thinking skills*
- *Reasoning Skills*
- *Attentiveness*
- *Listening Skills)*

**LEARNING OUTCOMES** :

- *Make it sure that the student learns the concepts given.*
- *The brief idea properties of carbon and its compounds.*
- *Different types of hydrocarbons and their properties, especially Ethanol and Ethanoic acid*

**INSTRUCTIONAL TOOLS & REFERENCES** : In addition to general teaching tools like white board, marker, etc, the teacher will use demonstration method showing reactions between different compounds of carbon and their preparation.

The References used will be :

- i. Book of Chemistry by Pradeeps publication.
- ii. Science and Technology Text Book for class X.

**PEDAGOGY** :

- i. Activating Prior Knowledge by Random Questioning
- ii. Introducing the topic to be taught after getting the expected response from the students.
- iii. Developing hypothesis by (a) Brainstorming, (b) Lecture , (c) Discussion and (d) In Text Questions

**ACTIVITY/ASSIGNMENT/PROJECTS** : The teacher will give Home Assignments and the areas of assessment will be:

Content of Knowledge, Presentation, Correctness, Time Management and Thinking skills

**ASSESSMENT**:

- i. Divide the students in the class in four groups and ask them to give examples of carbon compounds in our daily life.
- ii. Remind the students about the physical and chemical properties of carbon compounds and reaction between them.
- iii. Group Discussion related to structure and nomenclature of carbon compounds.
- iv. In Text Questions

**FA<sub>3</sub> & SA<sub>2</sub> SYLLABUS** :

FA Syllabus:

- Basic concept of Carbon and its compounds.
- Different types of reaction undergone by carbon compounds.
- Concept of structure and nomenclature of organic compounds.
- Textbook problems related to the topic.

**SA Syllabus:** Same as FA