



# Delhi Public School Srinagar

## LESSON PLAN

Session 2015-2016

**Class** : X  
**Subject** : Chemistry  
For the Month(s) of : October  
**Theme** : *Periodic Classification of elements.*  
**Periods** : *Theory (10) and Practical (3)*

### OBJECTIVES (CONCEPTS & SKILLS:) :

- *Basic concept of Classification of elements and its need.*
- *Concept of various attempts of classifying elements.*
- *Concept of physical and chemical basis of classification of elements.*
- *Mendleevs classification and its periodic table.*
- *Modern periodic table and its division into various blocks.*
- *Periodic properties of elements and their trends.*

*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 elements and their classification.*
- *Different attempts of classification.*

- Modern periodic table, locating the position of an element wrt their group and period.
- Periodic properties and their trends.

**INSTRUCTIONAL TOOLS & REFERENCES** : *In addition to general teaching tools like white board, marker, etc, the teacher will use demonstration method showing chart of periodic table.*

*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 learn periodic table.*
- ii. *Remind the students about the physical and chemical properties of elements.*
- iii. *Group Discussion related to studying the trends in physiochemical properties shown by elements within period and group.*
- iv. *In Text Questions*

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

FA Syllabus:

- *Basic concept of elements and their properties.*
- *Different elements and their location in periodic table.*
- *Concept of modern periodic table.*
- *Textbook problems related to the topic.*

**SA Syllabus:** Same as FA