

Lesson Plan cum Monitoring Tool (PRTs/HMs/TGTs/VPs)

[A] Planning Format

Class/Section...8th..... Subject...Science..... Chapter... **Metals and non-metals**..... No. of periods..... Date of Commencement..... Expected date of completion..... Actual date of Completion.....

Gist Of The lesson	Targeted learning outcomes (TLO)	Teaching learning activity Planned	Questions on TLOs, HOTS & correlation with other subjects	Content skills to be developed	Suggested activities to inculcate life skills	Strategies to evaluate life skills
<p>Metals and non metals</p> <p>Physical properties of metals</p> <p>Physical properties of non metals</p> <p>Chemical properties of metals and non metals.</p> <p>Reaction with water</p> <p>Reaction with oxygen</p> <p>Reaction with acids</p> <p>Reactions with bases</p> <p>Displacement reaction</p>	<p>To enable the students : to know characteristic features of Metals and non metals</p> <p>Differentiate between metals and non metals and can give examples.</p> <p>applications of metals and non metals</p>	<p>Activity: Burning of magnesium ribbon in presence of oxygen.</p> <p>Activity: Identification of metals and non metals on the basis of their physical properties</p> <p>Activity: To show that when metals react with acids produce hydrogen gas.</p> <p>Activity: To test the nature of rust. Whether it is acid or base</p> <p>Activity: To understand displacement reaction</p>	<p>L-3 Q.1: Name two metals which are both malleable and ductile.</p> <p>Q.2: Name a metal and non metal which exist in liquid state at room temperature</p> <p>Q.3: Identify the most and the least reactive metal amongst the following: K, Cu, Au.</p> <p>L-2 Q.1: Which metal is used for making foils for packing of medicine tablets?</p> <p>Q.2: Which metal is used for decorating sweets?</p> <p>Q.3: Name a non-metal which is a</p>	Critical thinking	<p>A man went to jewellery shop to get the silver jewellery cleaned but after a week he found that jewellery becomes black and also there is loss in weight of the jewellery</p>	<p>Questionnaire : Give reasons</p> <ol style="list-style-type: none"> 1. What can be the reason for loss in weight? 2. What is the reason for turning it black? 3. What are other metals from which jewellery can be made? 4. Is it ethical for the jeweller to do such activity? 5. Where should the customer put his grievance?

Uses of metals		Activity: To make an electric circuit to check conductivity	good conductor of heat and electricity. Q.4: Oxides of non-metals are generally of which nature? Q.5: Why silver does not displace hydrogen from dilute hydrochloric acid. L-3 1. Give five points of difference between metals and nonmetals? 2. Give some uses of metals and nonmetals?			
Uses of non metals						

Name and Signature of the Teacher:

Date:

