Lesson plan

Class: VI *Subject:* Science

Topic: Metals and Non-Metals *Curriculum or/& Book Name:* S.T.B.B Jamshoro

Date: 05-05-26 *Duration:* 40 min

Specific Learning Objectives:

Students will be able to:

- *Differentiate between metals and non-metals*
- *Recognize real-life metals and non-metals examples*
- *List examples of metals and non-metals in the surrounding*

Skills/Attitude:

Observing skills, differentiating skills

Teaching Resources:

Rings, bracelet (metal), chalk, pencil

Classroom Management Rules & Strategy:

Red, Yellow, Blue traffic lights cards will be used to make the students follow the rules

Teaching Method:

Demonstration, activity based

Procedure:

Initiation*:*

The teacher will show a pen and a pencil and she will ask students what's the difference between the materials of both. Students will respond according to their prior knowledge. These have different materials because they are made from 2 different elements and today we will discuss about these elements: Metals and non-metals.

Development:

There are certain properties of metals and non-metals that make them different from one another.

1. *Metals* are conductors which means that they allow electricity to pass through them and *non-metals* are insulators and they don't allow electricity to pass. The wires in our home is a great example of differentiating metals and non metals.the wires have copper inside that conducts electricity and is a metal while the outer covering of the wire is made up of pvc which is an insulator and a non metal.
2. *Metals* are mostly ductile which means tthat they can be reformed into thin wires whereas non metals are non ductile means they cannot be converted into sheets
3. Metals are malleable which means that they can be converted into thin sheet and non metals are non malleable.
4. *Metals* conduct heat and *non-metals* don't conduct heat.teacher gives example of steel spoon and wooden spoon.while cooking food steel spoon gets heaten up very fast but the wooden one does not conducts heat in it because it is a non metal

Now teacher will call students and students will sort metals and non-metals from classroom and list them on the board.

Recap*:*

The teacher will once again repeat the properties of metals and non-metals.

Board Summary

Topic: Metals and Non-Metals

METALS	**NON-METALS**
conductor	**insulator**
malleable	**Non-malleable**
ductile	**Non-ductile**
Conducts heat	**Does not conduct heat**