



Motiwalla Education & Welfare Trust's

MOTIWALA COLLEGE OF EDUCATIONAL SCIENCES, NASHIK

Technology Based Lesson Plan

Name of the Student Teacher: Joshi, Shubham P. Method/Subject: Science

Name of the School: M.C.F.C.

Lesson No: 1

Sid: 8th

Div: A

Time: 2:10 to 2:35

Date: 12/05/2022

Teaching Subject: Science

Unit/Sub Unit: Inside the atom.

Teaching Method/Type: Lecture method / statement method.

Previous knowledge: Molecules are formed from atoms.

Teaching Topic: (1) Matter. (2) Atom (3) Dalton's Atomic theory.
(4) Atomic structure.

Core Values/Core Elements: Communicating, Attentiveness.

Principle: Atoms are composed of three primary particles Protons, Neutrons and Electrons. Neutrons and protons together make up the denser center known as nucleus.

Set Induction: [Teacher enter in classroom and greet to students]

Dear students, we have learnt about matter, molecules and atoms. Do you know, what is an atom?

Statement of aim: Today, we are going to study how the atoms are form and Dalton's atomic theory.

OBJECTIVES/SPECIFICATION	CONTENT	TEACHING AID
1) Knowledge with understanding [Students will be able to recall the structure of atom & molecules]	(1) Matter: matter is made of molecules (2) <u>Atom</u>: molecules are formed from atoms. An atom is the smallest unit of matter. An atom is the smallest particle of an element.	Interactive white board Page 31 (Presentation doc) Worksheet Youtube.
Knowledge with understanding [Students will be able to define atoms & molecules]	3) <u>Molecules</u>: The molecules of a given substance contain only one atom. Molecules are formed by chemical combination of atoms. (4) <u>Dalton's atomic theory</u>: According to this theory matter is made of atoms and atoms are indivisible. Indestructible. All atoms of an element are alike while different elements have different atoms with different masses.	Audio-visual clip Power point Presentation on Dalton's theory
Knowledge with understanding [Students tell about atom, molecules]	(5) <u>Atomic Structure</u>: An atom is formed from the nucleus & the extra nuclear part. The subatomic particles are (1) protons (2) Electrons (3) Neutrons.	Edmodo [Educational tool]

TEACHER'S ACTIVITY	STUDENT'S ACTIVITY	EVALUATION
Teacher explains about molecules, atom and matter with the help of technology based tools such as white board, PPT and with the help of website.	Students observe the technology tools very carefully & assimilated in the current topic.	(1) what is meant by matter (2) what is an atom?
Teacher explains about molecules, Dalton's atomic theory with the help of audio-video clip, powerpoint presentation.	Students listen very carefully and observe the PPT and videos with interest.	1) Explain the Dalton's atomic theory.
Teacher ask some questions	Students give the answers.	
Teacher explains students about the atomic structure of an atom.	Students listen very carefully with interest	1) Define :- Atomic structure

OBJECTIVES/SPECIFICATION	CONTENT	TEACHING AID
	1] Proton are positively charged particles. 2] Electrons are negatively charged particles. 3] Neutrons are neutral i.e. with no charge.	web site. http://m.youtube.com/watch?v=9P-wDdFgELPM.
Application:- [students tell about different types of atom and molecule]		

TEACHER'S ACTIVITY	STUDENT'S ACTIVITY	EVALUATION
Teacher explains three types of subatomic particles i.e. protons, neutrons, and electrons with the help of educational tool.	Students listen and understand the topic	2] Give reason: Atom is electrically not neutral.
Closure :- Today we all studied about atoms, Dalton's atomic theory and atomic structure.	Students listen carefully	
Recapitulation Teacher ask questions to students		[1] What is atomic number? (2) How many types of subatomic particles are found in atom? (3) What are proton electron and neutron?
Teacher shows the questions on white board which is based on application.	So Students read the question & try to give the answers of questions	(1) What is an atom? (2) Explain Dalton's atomic theory.
Homework :- Teacher gives home work to students.	Students write the home work in their notebook	Questions.

BOARD WORK

Subject: Science Topic: Inside the Atom Std & Div: 8th A Date: 12/05/22

Atom:- Atom is the smallest unit of matter.	mass
Dalton's Atomic Theory:- All atoms of an element are alike while different elements have different atoms with different	Atomic Structure:- (1) Proton (P) (2) Electron (e) (3) Neutron (n)

EVALUATION SCHEME

Rating scale 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent

No.	Steps	Criteria	1	2	3	4	5
1	Lesson Note	Neat, Correct and complete					
2	Introduction	Relevant and stimulating					
3		Revival of previous knowledge and linking with the topic					
4		Statement of Aim and Title writing					
5	Presentation	Clarity and Fluency in / Narration / Illustration					
6		Questions - Clear, concise grammatically correct with interrogative tone					
7		Question - Logical and thought Provoking					
8		Mastery over the content					
9		Selection of IT tools					
10		Use of Tools					
11		Quality of Presentation					
12		Co ordination between tools and teaching					
13		Ease and confidence in using technology					
14		Judicious use of technology					
15		Arrangement of Plan II					
16		Recapitulation as per objectives					
17		Application - appropriate/creative					
18	Evaluation	Homework - Appropriate/activity based					
19		Classroom Management					
20		Time Management					
Total Marks - 100						32	60

Qualitative Feedback:

* Introduction was good.
* mastery over the content was good.
* Application was too good.

32/100

Signature of Group Teacher

[Signature]