

GURAB BAL YADAV SURTI SHIKSHA M.P

BORAWAN (M.P)

SESSON - 2021-22

LESSON PLAN FILE

NAME - Komal Agrawal

Class - B.ed II year (3rd sem)

Subject - Physical Science



शिक्षा का उद्देश्य

शिक्षा कहती है, “मैं सत्ता की दासी नहीं हूँ, कानून की किंकरी नहीं हूँ, विज्ञान की सखी नहीं हूँ, अर्थशास्त्र की बांदी नहीं हूँ. मैं तो धर्म का पुनरागमन हूँ. मनुष्य बुद्धि, हृदय एवं सर्व इन्द्रियों की स्वामिनी हूँ. मानव शास्त्र एवं समाज शास्त्र मेरे दो चरण हैं. कला और कारीगरी मेरे दो हाथ हैं. विज्ञान मेरा मस्तिष्क है. धर्म मेरा हृदय है. निरीक्षण और तर्क मेरी दो आँखें हैं. इतिहास मेरे कान हैं. स्वातंत्र्य है. मेरा श्वास है. उत्साह और उद्योग मेरे फेफड़े हैं. धैर्य मेरा व्रत है. श्रद्धा मेरा चैतन्य है. ऐसी मैं जगदम्बा हूँ. जगद्दात्री हूँ. मेरा उपासक कभी किसी का मोहताज नहीं रहेगा. उसकी सभी कामनाएँ मेरी कृपा से तृप्त हो जाएंगी. मैं इस समाज के प्रत्येक बालक को अपना उपासक बनाकर सम्पूर्ण जगत में विकास के साथ-साथ शिक्षा का अलौकिक प्रकाश फैलाना चाहती हूँ.

आचार्य काका कालेलकर



गुलाबबाई यादव स्मृति शिक्षा महाविद्यालय, बोरवां

प्रमाण-पत्र


प्रमाणित किया जाता है कि

छात्राध्यापिका Kemal Agrawal

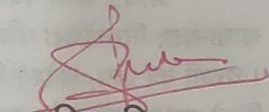
पिता/पति ने Gurish Agrawal

विषय Physical Science पाठयोजना

का प्रस्तुतीकरण मेरे निर्देशन में किया


छात्राध्यापिका



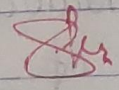
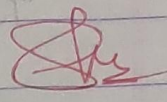
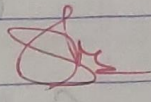
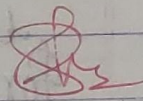
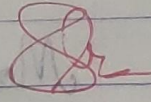
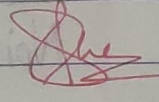
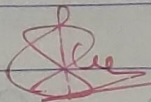
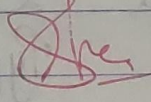
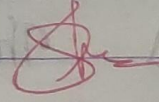
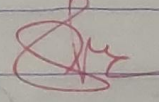
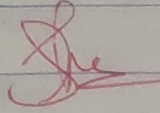

विषयशिक्षक

Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidyalaya, Borawan (M.P)

प्राचार्य
डॉ. सुरेन्द्र कुमार तिवारी

प्राचार्य
स्वा. गुलाब बाई यादव स्मृति शिक्षा
महाविद्यालय, बोरावां, (छरगोवा) न. प्र.

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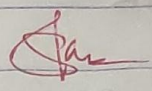
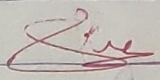
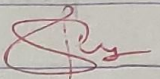
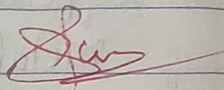
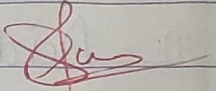
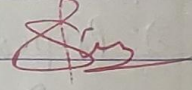
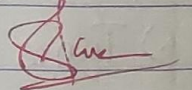
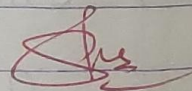
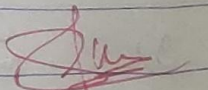
डॉ. सुरेन्द्र कुमार तिवारी
 प्राचार्य
 स्व. गुलाबबाई यादव स्मृति शिक्षा
 महाविद्यालय, बोरवां, (खरगोन) म. प्र.

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Index

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श्री. सुनेन्द्र कुमार तिवारी
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LESSON PLAN - 01

Name - Hemant Agrawal

class - 10th

Subject - Physical Science

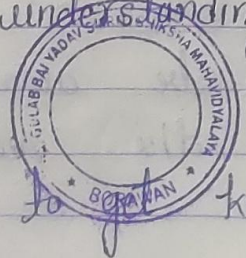
Topic - metal & non-metal

Date & time -

Duration - 40 min

General Objectives -

1. To develop the interest of student in learning Science.
2. To develop the abilities of imagination, reasoning & observation.
3. To inculcate creativity in students.
4. To develop the understanding about the reading & observation.
- 5) To enable them to get knowledge contained in the lesson.



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 महाविद्यालय, बीरवाड़ा (खुरगोन) म.प्र.

6) To develop inquiring minds and creativity about science and the natural world.

7) To develop thinking power of student in the field of science.

* Specific Objectives :-

Student will be able to

- 1) understand about the elements.
- 2) understand about the types of element that is metal and non-metal.
- 3) Understand about the basic knowledge regarding metals and non-metals.

* Teaching Aids :-

Blackboard, chalk, dusters, diagrams, pointers etc.

* Teaching method - Explaining.

* Previous knowledge about the topic :-

Student should be aware with the basic knowledge about the metal, Non-metal

& elements. So that they can learn more about that in more details.

* Introduction →

S.No.	Teacher's activity	Student's activity
1)	Teacher asked the student that what is constituents of air?	Nitrogen, Oxygen gas Hydrogen gas, argon.
2)	which element is used in the manufacturing of ornaments and coins?	Gold & Silver
3)	which element is present in papers?	Carbon
4)	So students O_2, N_2, H_2 gold, copper, in which group we placed it?	No Response.

* Statement of Aim :- ^{knowing} So student today we

will learn about elements, metals and non-metals in more detailed.

Teaching Point	Teacher's activity	Student Activity
1) Element	<p>it may be defined as those substance in which same type of atoms are present is called elements</p> <p>eg. Gold, Iron, carbon hydrogen, oxygen Nitrogen etc.</p>	Listening Carefully
2) Types of element	<p>@ Metal :- it may be defined as those elements in which 1, 2 or 3 electrons are present in its last shell and have tendency to lose their electron and form ions are called metal</p>	Listening Carefully

Teaching point	Teachers activity	Student activity
	<p>Eg:- Gold, silver, Iron Zinc, copper, sodium calcium etc.</p> <p>⑤ Non-metal :- It is defined as those elements in which 4, 5, 6, 7 electrons are present and have tendency to gain electrons to form anions are called non-metals.</p> <p>Eg:- Hydrogen, oxygen Nitrogen, carbon, Sulphur Argon etc.</p>	<p>Listening Carefully</p>

✦ Recapitulation :- Student today we learn about the basic knowledge of metals & non-metals and their definitions.



Home work:-

- ① Learn and memories about the definitions and examples of metals and non-metals.
- ② Pickout the metals & non-metals from the following -
Carbon, Silicon, Zinc, copper, gold, platinum, lead, mercury, bromine
Barium, Sulphur, Oxygen, chlorine etc.
- ③ Read Carefully & gives the correct option from the multiple choice questions.

Answer
Praise Sign

Answer
Teacher's Sign
Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidyalaya, Borawan (M.P.)



LESSON PLAN = 16

- Name - Komal Agrawal
- class - 9th Sub - Science
- Topic = Force. Duration - 40 min

1) General objectives => Same as previous.

2) Specific objectives => 1) To enable the student to learn about what happens when a force acts on an object.

2) To enable the students to observe that force applied on an object may change its speed.

3) To enable the student to give examples of situations and apply their knowledge.

4) Teaching Aids :- Black-board, chalk, Duster, clay model, Ball etc.



- 4) Previous Knowledge \Rightarrow The student must have general knowledge familiarities with force, situation in which they deal.

"Introduction"

S-No	Pupil-Teacher Activity	Pupil's Activity
1)	What do you know about force?	It is push / pull on an object.
2)	When does a force come into play?	when the interaction between two objects.
3)	Moving a book placed on a table is which kind of action - pushing, pulling, lifting or all of these?	Push & Pull
4)	What happens when a force act on an object?	Problematic Question.

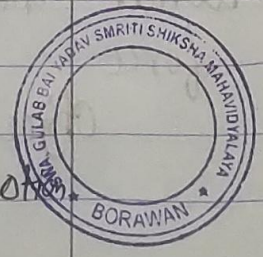


5) Statement of Aim => Student ! Today

we will study about what happens when a force acts on an object.

"Presentation"

S.No	Teaching Point	Pupil-Teacher Activity	Pupil's Activity
1)	Introduction	Intro => Teacher will tell the student that by applying force, we can change the motion, shape of an object state of motion of an object is described by its <u>speed</u> & <u>direction</u> of motion.	Listen Carefully
		<ul style="list-style-type: none"> The state of rest is considered to be state of zero speed. An object may be at rest or in motion, both are its state of motion. 	
		force can change state of motion.	



Force can change state of motion

A force applied on an object may change its speed
 If the force is applied in the direction, the speed of object change

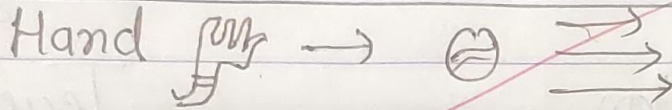
Student will note in down their notebooks

Teaching Method

Black-Board Activity

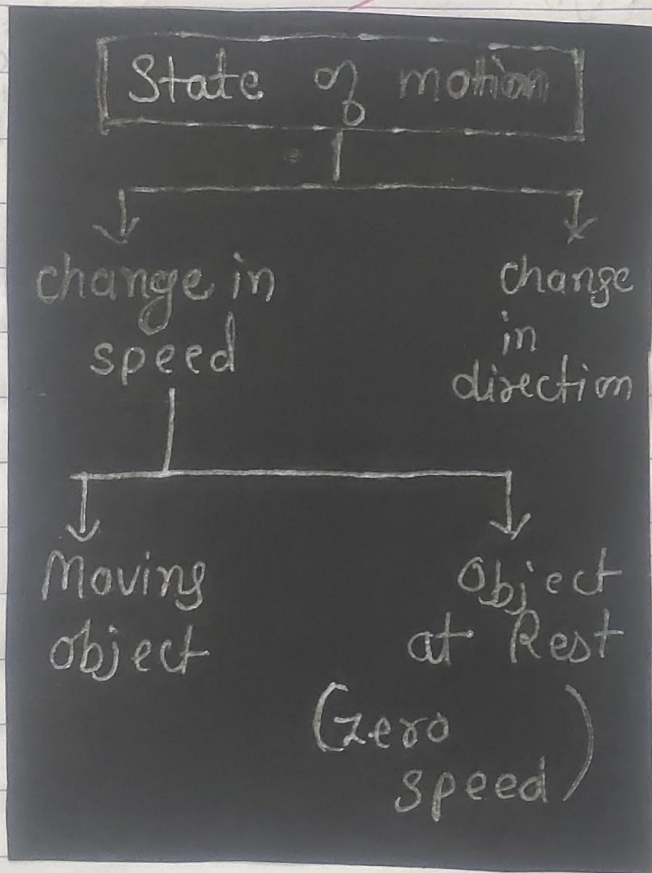
Evaluation work

Lecture Method

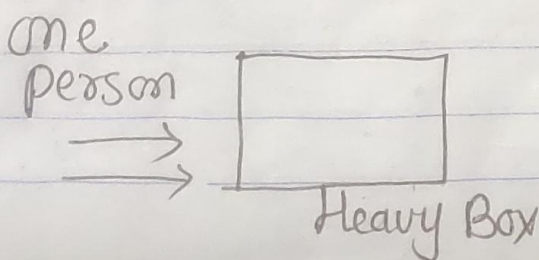


Pupil-teacher is checking the notebook of few student.

Lecture-cum-Demonstration Method



Q1 -> Example of forces, you do in your daily life?

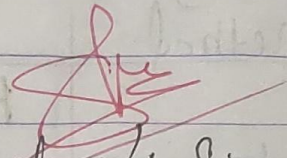


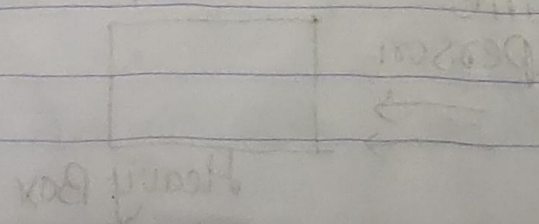
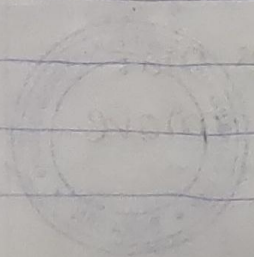
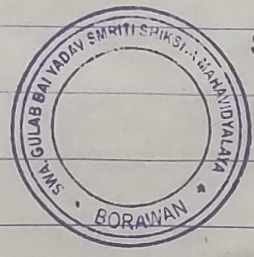
does not move

Home Assignment =>

1) Write an example in which a force applied on an moving object changes its speed ?

Ragwal
Student Sign


Teacher's Sign
Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Malavidyalaya, Borawan (M.P.)



LESSON PLAN = 17

Name = Komal Agrawal

Topic = Magnet

Sub = Physical

Attraction & Repulsion.

Science

Class = 9th

Duration = 40 min

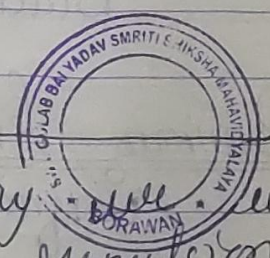
- 1) General Objectives ⇒ 1) Students, development the imagination power among them.
- 2) To develop the understanding about the reality & observation.
- 2) Specific Objectives ⇒ 1) Learner are able to recognize magnetic material by touching it with magnet.
- 2) Student are able to interpret which material will attract magnet.
- 3) Teaching Aids ⇒ Chalk, duster, chart Black-Board etc
- 4) Previous Knowledge ⇒ children have basic information about magnet.



Introduction

S. No.	Pupil - Teacher Activity	Student Response
1)	What do you know about magnet?	It attraction iron particles.
2)	Each magnet has how many magnetic poles?	Two
3)	Can you name them?	North & South Pole.
4)	What will happened if, opposite poles or same poles come in contact?	Problematic Question.

2) Statement of Aim => Student Today will discuss about attraction & repulsion, of magnet.



" Presentation "

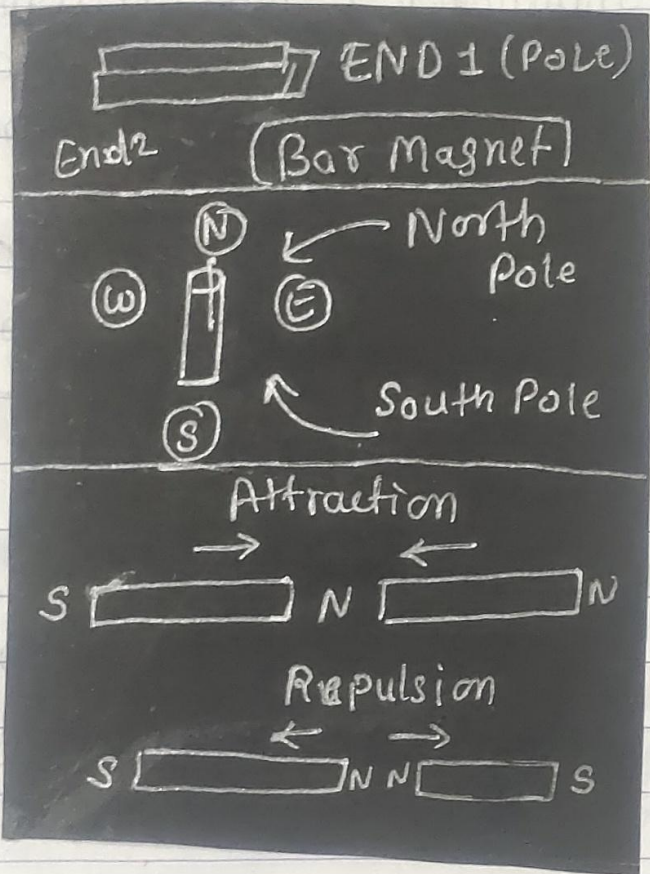
S. No.	Teaching Point	Pupil - Teacher Activity	Pupil Activity
1)	<p>Introduction</p> <p>Introduction → Poles of a magnet are said to be near both the ends of magnet freely suspended bar magnet always comes to rest in particular direction i.e. N-S direction.</p> <p>• Ends of magnet that points towards North is called North Pole of Magnet.</p>		listen carefully
	<p>Attraction & Repulsion Between Magnet</p> <p>→ opposite poles of two magnets attract each other.</p> <p>→ Similar poles of two magnet repel each other.</p>		Writing to down in note book



SW Teaching Method	Black-Board activity	Evaluation Book
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1) Lecture Method

checking



notebooks of some students.

2) Explain with examples.



P.T.O.

Evaluative Question

Fill in the Blanks :-

1) A magnet has always _____ poles.

Home Work :-

Q1) True / false

1) Similar poles of a magnet attract each other.

2) Rubber is a magnetic material.

3) Bar Magnet always points towards N-S direction.

Bagwal
Student Sign



Teacher's Sign
Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidyalaya, Borawan (M.P.)

LESSON PLAN - 18

- Name = Komal Agrawal
 - class = 9th
 - Topic = Noise Pollution
- Subject \Rightarrow Physical Science
Duration \Rightarrow 40 min

- ① General Objectives \Rightarrow Same as Previous
- ② Specific objectives \Rightarrow They will be able to define noise pollution.
- ② Students will be able to know causes of noise pollution.
- ③ Student will be able to know control of noise pollution.
- ③ Teaching Aids \Rightarrow Black-board, marker, duster, chart, pointer etc.
- ④ Previous knowledge \Rightarrow Student are know about sound & noise.



"Introductory Question"

S.No	Pupil - Teacher Activity	Student Activity
1)	Which organs we use for hear sound?	Ear
2)	What kind of sound you hear at the traffic?	Very loud sound.
3)	How do you feel where you hear loud sound?	Irritating Noise
4)	What do you know about noise pollution?	Problematic Question.

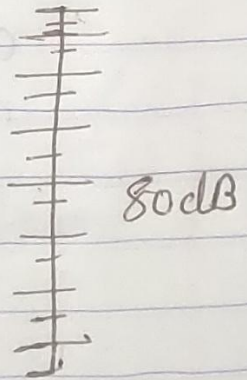
Statement of Aim \Rightarrow Today we are study about the topic Noise pollution.



P.T.O

" Presentation "

S.No	Teaching Points	Pupil- Teachers Activity	Student Response
1)	Noise pollution and its sources	<p>1) What are noise Pollution.</p> <p>Presence of excessive or unwanted sound in the environment is called Noise pollution when loudness of sound is increase is known as noise pollution.</p> <p>Noise pollution is expressed in unit called decibel (dB) decibel. Above 80 dB the noise physically painful.</p>	<p>No response.</p> <p>Listen Careful.</p>
			<p>Noise Pollution make diagram</p> <p>Noise pollution expressed in unit is decibel</p>



Sources \Rightarrow Major sources
of noise pollution
are -

Listening
carefully

- 1) Vehicles.
 - 2) Explosion including
burning of crackers.
 - 3) Machines.
 - 4) Loudspeakers
 - 5) Television
 - 6) Transistor Radio
- All contribute to
noise pollution.

2) Noise
pollution
harms
&
its
control.

1) what are harm of noise
pollution ?

Harm & excessive noise
may cause Harm,
and cause many
health related
problems, and cause
many health related
problems these are

1) Temporary or permanent
impairment of hearing

Harm

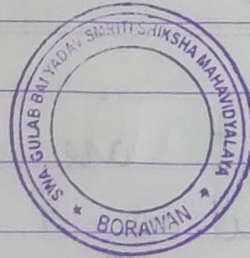
- 1) Lack of
sleep
BP
- 2)
- 3) Anxiety
- 4) Stress.



Home Work :-

- ① Unwanted sound is called ?
- ② Source of noise pollution ?
- ③ Harm of noise pollution ?
- ④ Control of noise pollution ?

Student Sign



Teachers Sign

Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidyalaya, Bora (M.P.)

LESSON PLAN = 19

Name \Rightarrow Komal Agrawal

Subject \Rightarrow Physical Science

Class \Rightarrow 8th

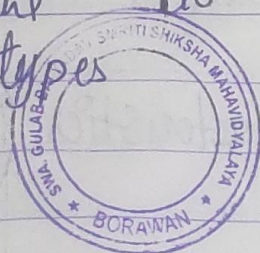
Duration \Rightarrow 40 min

Topic \Rightarrow Soil / Types & properties of soil

- 1) General Objective \Rightarrow 1) To develop the interest of student in learning science.
- 2) To enable them to get knowledge contained in the class.
- 3) To inculcate creativity in the class.
- 4) To develop the abilities of imagination, reasoning & observation.

Special Objective \Rightarrow 1) To enable the student to give formula of rate of percolation.

- 2) To enable the student to know about the different types of soil.



3) Teaching Aid => Black-Board, marker, duster, pen, diagrams, charts etc.

2) Previous knowledge => Children have general knowledge profile familiarities with soil, soil & layers of soil.

"Introduction"

<u>S.No.</u>	<u>Pupil - Teacher activity</u>	<u>Pupil Activity</u>
1)	What do you know about soil?	The mixture of rock particles & humus.
2)	What are different layers of soil?	A Horizon B " C "
3)	What do you know about soil profile?	A verticle section through different layers of soil.
4)	Give some characteristics of soil?	Problematic Questions.



" Presentation "

Sno	Teaching Point	Pupil-Teacher Activity	Pupil Activity
1	Introduction	<p>Intro :- You know that soil is made up of distinct layer, called horizons. The mixture of rock particles & humus is called the soil.</p>	<p>Student are noting down in notebook.</p>
2	Types of Soils	<p><u>Types of soil :-</u></p> <ol style="list-style-type: none"> ① Sandy soil ② clayey soil ③ Loamy soil. 	
3	Properties of Soil	<p>Properties of soil :-</p> <ul style="list-style-type: none"> • It contains greater proportion of big particles. • They connect fit closely together, so there are large spaces between them. These spaces are filled with air. 	<p>Listen carefully</p>



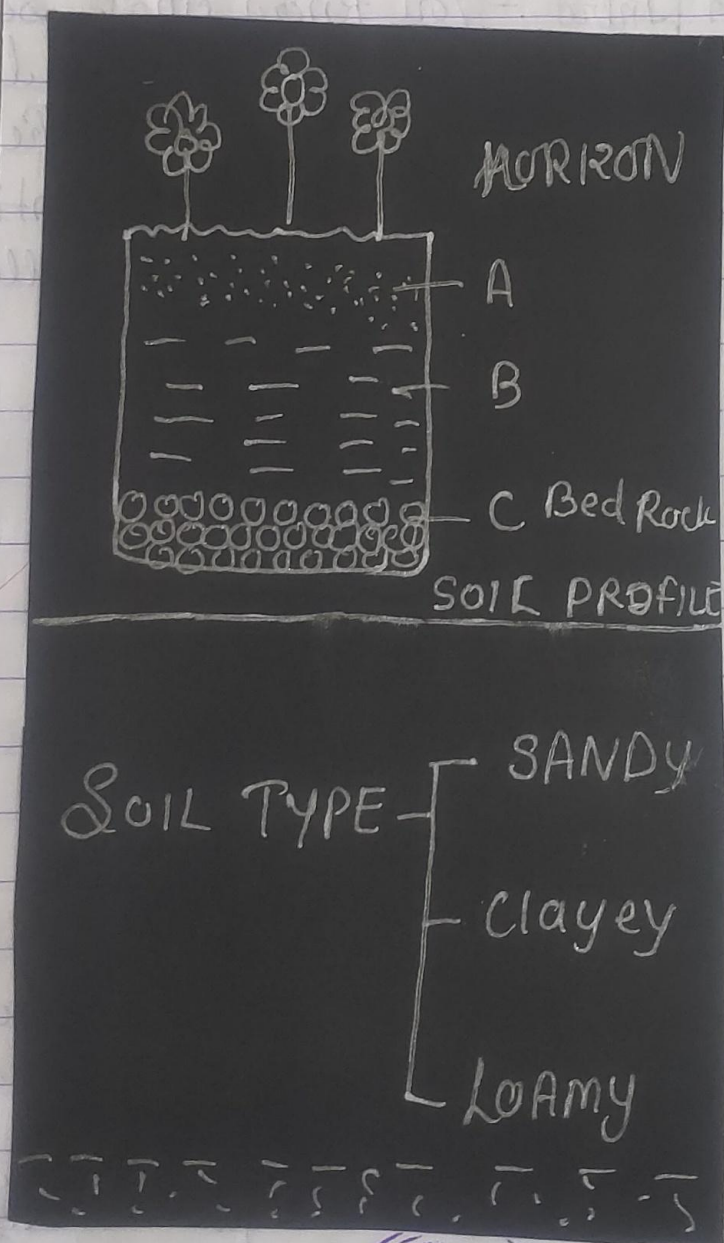
Teaching Method

Black-board Activity

Evaluative Words

Lecture method

Pupil - teacher is asking question from previous class.



1) write types of soil ?



101

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Home Work ⇒

- 1) Explain how soil is formed.
- 2) How is clayey soil useful for crops?
- 3) List of differences between clayey soil & sandy soil?

Gulab
Student's Sign



Sharma
Teacher's Sign
Assistant Professor
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidyalaya, Borawan (M.P.)

LESSON PLAN-20

* Name - Komal Agrawal.
 of student teacher

Subject - Physical
 Science.

* class - 8th

Duration - 40 min

* Topic - Three kinds of circuit Period = II

* Unit - Electricity & Heat

* Date - 20/08/21

* Name of college - GBYS. Borawan. (M.P)

(i) Instructional objectives :- The Pupil.

1) Acquire knowledge about electricity.

2) Understanding about sources of electricity.

3) Classification of circuit.

4) Analysis the differential between
 simple circuit & series circuit.

5) Difference between series circuit & parallel.



(II) Instructional Resources :

- Battery
- Switch, Water
- Bulb
- Chart Paper
- Black-board, chalk, duster.

(III) Previous knowledge of Student

- 1) Do you know about Electricity.
- 2) Give an example of sources of electricity.

(IV) Teaching Method ⇒ Explaining Method,
Example method, Lecture Method.

"Presentation"

Content	Specification	Learning Experience	Evaluation
Electricity Intro- duction	Description →	Electricity plays a very important role in our daily life. It is a form of energy that helps us in many ways of the comforts of modern	What is Electricity?

Content	Specification	Pupil Teachers Activity	Evaluation
Power Station	Meaning	<p>life would not be there if there is no electricity.</p> <p>A power station is placed where electricity is produced on a large scale by using various sources of energy like water, wind, heat etc.</p>	<p>What is the energy source used in power station?</p>
Kinds of circuit	Acquire knowledge	<p>The flow of current requires a closed conducting path. This path is made by connecting a cell or a battery, a switch (key) and a bulb by means of wires. This closed conducting path is known as an <u>electric circuit</u>.</p>	<p>What is electric circuit?</p>



Types of
Circuits

1) Parallel
Circuit.

In this circuit the each
bulb is connected to
the battery terminals
by separated wires.

This type of circuit
is known as parallel
circuit. In this circuit
different amount of
current passes through
the bulbs. That is
the current has many
paths to flow.

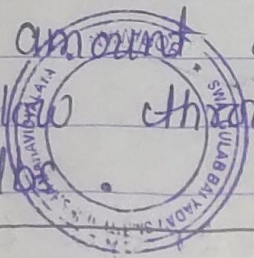
In which
circuit
separate wire
are used for
connecting
battery?

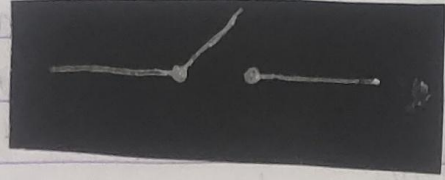
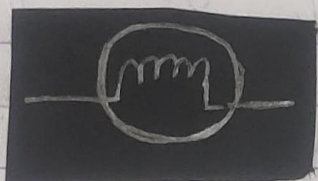
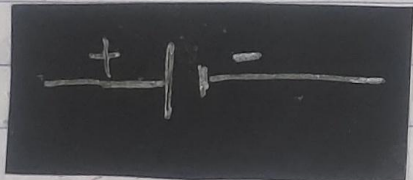
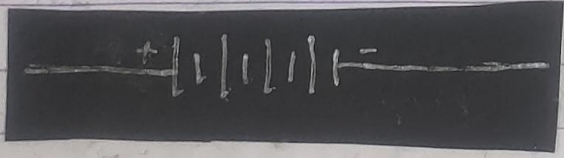
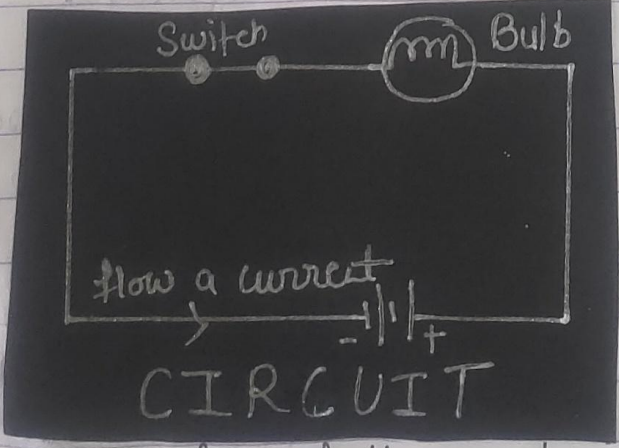
2) Series.

In a circuit the bulbs
are connected end to
end. This type
of circuit is known
a series circuit. P

What is
Series
circuit?

In Series Circuit
the current can flow
only in one direction &
the same amount of
electricity flow through
all bulbs.



S.No Teaching Point	Black-Board work	Student Role
<p>1) Diagrams of Process Electric circuits & their symbols.</p>	<p>① Switch "off" position.</p>	<p>Student listen carefully</p>
		<p>& draw all the components of</p>
	<p>② Bulb</p>	<p>Electric Circuits with their names also.</p>
		
	<p>③ cell</p>	
		
	<p>Battery symbol.</p>	
	<p>④</p>	
		
	 <p>How a current CIRCUIT</p>	
	<p>colour full chalk used.</p>	



"Black Board Summary"

Topic - Electricity, circuits, current Date - 2/2/21
 class = 8th Period = II
 Time = 9:00

Types of Circuits

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  graph TD
    A[Types of Circuits] --> B[Simple Circuit]
    A --> C[Series Circuit]
    A --> D[Parallel Circuit]
  
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Q → Revision Questions :-

- Q1 → What is electric current ?
 Q2 → What is circuit ?
 Q3 → What do you mean by combination of circuit ?

Q → Home Work :-

- 1) Draw neat & clean diagrams of following ?
 (i) cell (ii) Battery (iii) switches.
 2) Draw series & parallel circuits ?
 3) What is the symbol of electric current & unit of electric current ?

Student Sign



Teacher's Sign
 Assistant Professor
 Swa. Gulab Bai Yadav Smriti
 Shiksha Mahavidyalaya, Borawan (M.P.)