



P.K.M. COLLEGE OF EDUCATION

MADAMPAM, KATHAPRAM P. O., KANNUR – 670 631

(Govt. Aided Teacher Education Institution affiliated to Kannur University)

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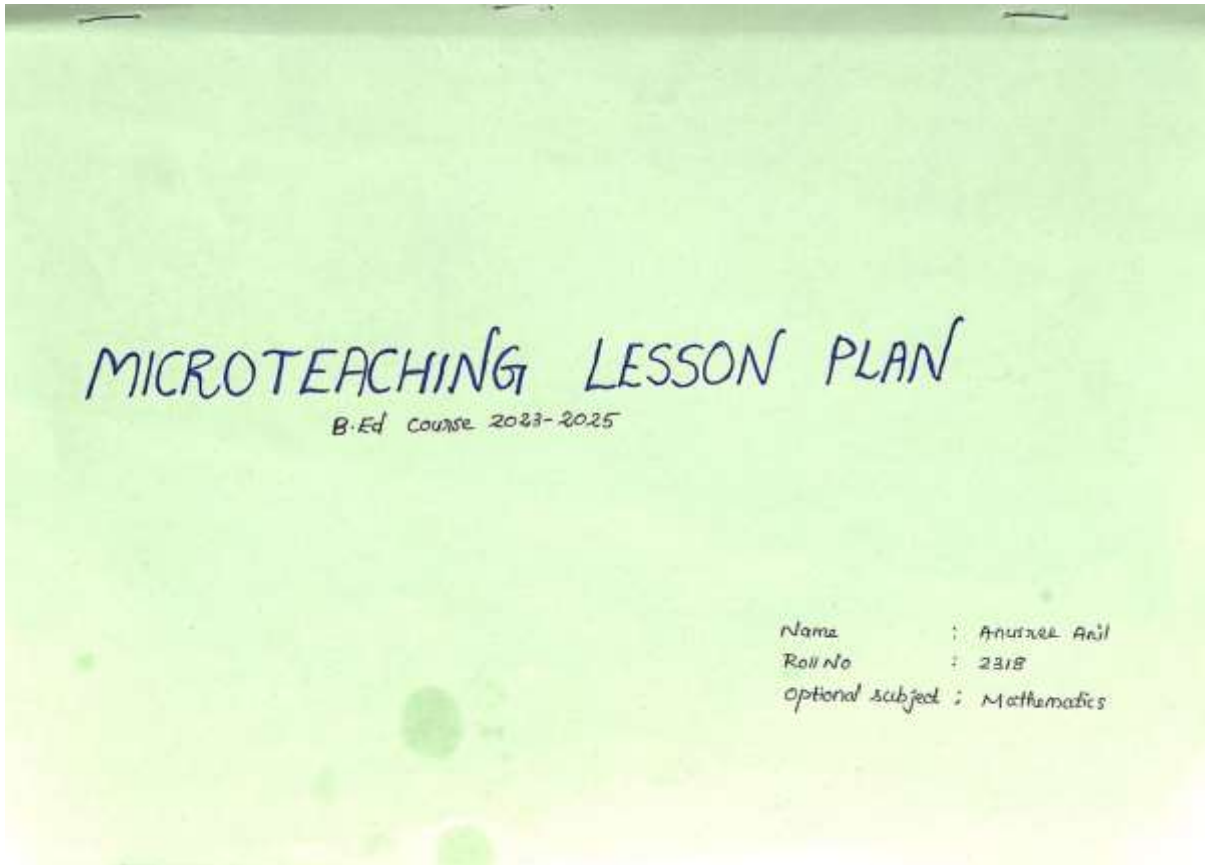
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1.3.1: Curriculum of the Institutions provides opportunities for the students to acquire and demonstrate knowledge, skills, values and attitudes related to various learning areas mode, etc. for enhancing student learning

MICRO TEACHING



1.3.1: Curriculum of the Institutions provides opportunities for the students to acquire and demonstrate knowledge, skills, values and attitudes related to various learning areas



MICROTEACHING LESSON PLAN-1

Name of the Teacher : Anjana Suresh
Name of the School : Peer group
Subject : mathematics
Topic : pair of equation
Skill : probing questions

class: 9
Strength: 7
Duration: 6 min
Date : 24/01/2024

Components of the skill : probing questions

1. prompting
2. Seeking further information
3. Redirection
4. Focusing and Refocusing
5. Increasing critical awareness




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SREEBANGAPURAM, KANIYUR DT., 600021

Learning Experience	Typical response
children, have you ever been to a farm?	no maxim
ok. today lets visit a farm.	
Suppose that we have been to a distant farm in a beautiful place. what all animals would be there?	cows, goat, hen, deek,
Now, let us choose any two of them.	
what's your opinion?	Goat, Hen,
let it be goat and hen.	
we don't know how many of them are there.	
Then came a worker in the farm. He is the inter-	

Learning Experience	Pupil's Response
children, have you ever been to a farm?	No ma'am
ok. Today let's visit a farm. Suppose that we have been to a distant farm in a beautiful place. what all animals would be there?	cow, goat, hen, deek,
Now, let us choose any two of them. What's your opinion?	Goat, Hen,
It'll be goat and hen. we don't know how many of them are there. then came a cooker in the farm. He is the inter-	

elegant. He told us that if we count the total heads of goat and hen, there would be total 19. If we count their legs, there are 58. Now it's upto you to find the number of goats and hen. Here we need to find two things, that is the number of goats and number of hen. Let us take two variables for this - say x and y .

Let x be the number of

Let y be the number of

How many leg does goat have?

∴ total number of goat's leg is

How many leg does hen have?

∴ total number of hen's leg is

Hence adding this total is $4x + 2y = 58$

Now counting heads we can say $x + y = 19$.

Goat

Hen

4

$4x$

2

$2y$



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 SREEKANDAPURAM, KANNUR DIST., 670531

Now we have two equations $4x + 2y = 58$
 $x + y = 19$

We have 2 equations in x and y .
These equations are called pair of equations.
So we will find x and y only if we solve both these equations simultaneously.




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SREEKRISHNAPURAM, KANNUR DT., KERALA

MICROTEACHING LESSON PLAN-2

Name of the Teacher : Anusree Anil
Name of the school : Peera Group
Subject : Mathematics
Topic : Identities
Skill : Explaining

Class : 8
Strength : 7
Duration : 6 minutes
Date : 24/10/2024

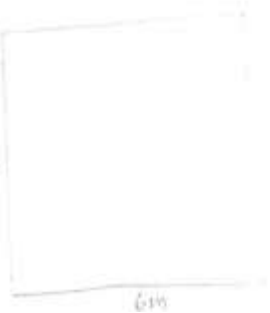
Components of the skill : Explaining

1. clarity
2. continuity
3. Relevance to content
4. Using beginning statement
5. Concluding statements
6. covering essential points
7. planned repetition
8. use of link words

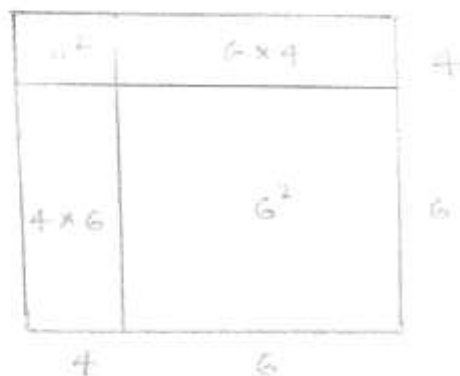



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Learning Experiences	Pupils Response
<p>In a small town there lived an old man named Ripon. He has a small square shaped shop in that town of length 6 meter.</p>  <p>The diagram shows a square with a vertical side on the left labeled '6m' and a horizontal side at the bottom labeled '6m'.</p>	

He decided to renovate his shop to an enlarged one in order to improve the infrastructure. So he turned to increase the length and breadth to 4 more meters. Then how many tiles are required to floor the shop if the tile is of length 1m length and breadth 1m.



Do you know what are identities?

From the above example we understood that

$$(6+4)^2 = 6^2 + 4^2 + 2 \times 6 \times 4$$

No marks



Signature

TEACHER

Now Take 6 as a and 4 as b. Then,

$$(a+b)^2 = a^2 + b^2 + 2 \times a \times b$$

Is this True for every numbers?

check using some numbers.

If $a=2, b=3$

If $a=4, b=6$

Now whether it is True if $a=-1$, and $b=2$

Is it True if $a=2/3, b=1/5$

Is it True if $a=i, b=i$

b	ab	b ²
a	a ²	ab
	a	b

Yes madam

Yes madam

Yes madam



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SREEKANDAPURAM, KANNUR DIST. 670001

we have $(a+b)^2 = a^2 + 2ab + b^2$

we also have $(a+b)^2 = (a+b)(a+b)$

$$= a^2 + ab + ab + b^2$$

$$= a^2 + 2ab + b^2.$$

Thus we have $(a+b)^2 = a^2 + 2ab + b^2$.

Hence, we can find many examples to identities and also can be applied to our daily life situations too.



A handwritten signature in black ink, appearing to be "J. S. S.", written over the printed name of the Principal.

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MICROTEACHING LESSON PLAN - 3

Name of the Teacher	: Aswin Baburaj	class	: 8
Name of the school	: peer Group	Strength	: 7
Subject	: mathematics	Duration	: 6 minutes
Topic	: Sum of angles of a polygon	Date	: 24/01/2024
Skill	: Illustrating with examples		

Components of the skill: Illustrating with examples

1. Formulating simple examples
2. Formulating relevant examples
3. Formulating interesting examples
4. Formulating appropriate media for examples
5. make use of inductive-deductive approach.




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Learning Experiences	Pupil's Response
<p>we are familiar with polygons - don't it ? Ok then, tell me what is a polygon ?</p>	<p>Yes Sir. A polygon is a closed figure made up of straight lines joining between two or more vertices.</p>
<p>Ok. That's Time. Then, Can you tell some examples for polygons.</p>	<p>Triangle, Rectangle, Hexagon etc.</p>
<p>Our topic is about sum of angles of a polygon. Is there</p>	

exist a.

exist any equation to find the sum of angles of a polygon. what do you think? Do you know any equation to find the sum of angles of a polygon.

No dir.

check if there is any such equation.

First of all let's find what is the sum of angles of polygon with a particular no. of vertices.

we have learnt about the sum of angles of a triangle from our previous classes. can you please recall it, what is it?

180°

ok then what is the sum of angles of a quadrilateral any guess

No dir.

Then all of you please draw a quadrilateral and find its interior angles and tell me what is the sum of angles of a quadrilateral

360°

ok then now draw a polygon with 5 sides and find the sum of angles of it. what is it?

540°



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Students can you find any relation between the sum of angles of a polygon.

no sir

OK then we know about sum of angles of a triangle is 180° from our previous classes.

i.e, sum of angles of a 3 sided polygon is 180° .

Now check your quadrilateral which is a 4 sided polygon. Now divide it into two triangles.



Now sum of angles of this quadrilateral is sum of angles of two triangles. Then what is the sum of angles of a 4 sided polygon.

360°


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ie, $2 \times 180^\circ = 360^\circ$

Similarly, we can divide a five sided polygon into 3 triangles then sum of angles of 5 sided polygon is $3 \times 180^\circ = 540^\circ$.

we can divide an n -sided polygon into $n-2$ triangles. Then we get sum of angles of n sided polygon is

$$(n-2) \times 180^\circ$$

Hence we can find many examples to sum of angles of a polygon.
So, we have studied about sum of angles of a polygon.




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MICROTEACHING LESSON PLAN-4

Name of the Teacher : kavya k
Name of the school : peer group
Subject : mathematics
Topic : Parallelogram
Skill : Introducing a lesson

class : 8
strength : 7
Duration : 6min
Date : 24/10/2024

Components of the skill: Introducing a lesson

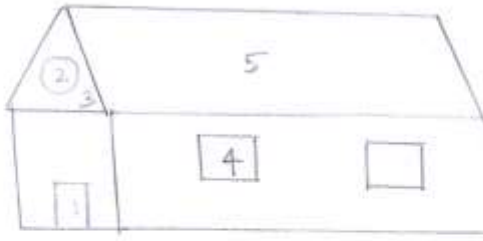
1. Arrest attention
2. Focus attention on the topic
3. Introduce an element of interest
4. Arouse Curiosity.




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SITTAADIPAWAN, KANNUR DISTRICT

തോട്ടം?

ആ,



ഈ ചിത്രത്തിൽ എന്തെങ്കിലും രൂപങ്ങളാണ് ഉള്ളത്?
 മൂന്നു രൂപങ്ങൾ മാത്രമേ കാണുന്നുള്ളൂ, മേന്മ രൂപങ്ങളെന്തെന്ന് കാണു-
 നില്ക്കൂ?
 ആ, ആ രൂപത്തിന്റെ പേരൊന്നെഴുതുന്നിടാമോ?
 ആ ആദ്യത്തെ രൂപങ്ങളെ എന്തെങ്കിലും രാധനം മേന്മ അറിയാമോ?
 എന്തെങ്കിലും മേന്മ?

ശരി മേന്മ

- 1. ചന്ദ്രൻ
- 2. വൃത്തം
- 3. ത്രികോണം
- 4. നാലുചന്ദ്രൻ

ഉണ്ട്, രൂപം 5

ഉള്ളി മിസ്സ്

ഉണ്ട് മിസ്സ്

പെരിയർ, പേയ് *[Signature]*



INTEGRATED EDUCATION
 KATHIRIPATTINAM, K. K. MUDALIYAR
 K. K. MUDALIYAR, KATHIRIPATTINAM

OBSERVATION SCHEDULE / RATING SCALE FOR THE SKILL OF EXPLAINING

Name of the Teacher = Amrutee Anil
 Name of the observer = Anis Baburaj
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shaly Joseph
 Date = 24/10/2024
 Time = 6 minutes

Component Skills	Rating Scale					
	Poor	Below Average	Average	Good	Very good	Tally
Body movement				✓		
Gestures				✓		
change in speech patterns				✓		
change in interaction style			✓			
Pausing					✓	
Focusing					✓	
Oral-Visual Switching			✓			

OBSERVATION SCHEDULE / RATING SCALE FOR THE SKILL OF EXPLAINING

Name of the Teacher = Anusree Anil
 Name of the Observer = Kanya-k.
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shady Joseph
 Date = 24/01/2024
 Time = 6 minutes

Component skills	Poor	Below Average	Rating Scale			Tally
			Average	Good	Very good	
Body movement				✓		
Gestures				✓		
change in speech pattern					✓	
change in interaction style			✓			
Pausing				✓		
Focusing				✓		
oral-visual switching					✓	

OBSERVATION SCHEDULE / RATING SCALE FOR THE SKILL OF EXPLAINING

Name of the Teacher = Anusee Anil
 Name of the observer = Mithuna. C. Nair
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shady Joseph
 Date = 24/01/2024
 Time = 6 minutes

Component skills	Rating Scale					Tally
	Poor	Below Average	Average	Good	Very good	
Body movement				✓		1
Gestures			✓			1
change in speech pattern				✓		1
change in interaction style			✓			1
Pausing			✓			1
Focusing				✓		1
Oral-Verbal Switching					✓	1

OBSERVATION SCHEDULE/RATING SCALE FOR THE SKILL OF EXPLAINING

Name of the Teacher = Anusree Anil
 Name of the observer = Nandana Das
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shaly Joseph
 Date = 24/01/2024
 Time = 6 minutes

Component Skills	Rating Scale					Tally
	Poor	below Average	Average	Good	very good	
Body movement				✓		
Gestures				✓		
change in speech patterns				✓		
change in interaction style			✓	✓		
Pacing				✓		
Focusing			✓			
oral-visual switching			✓			

OBSERVATION SCHEDULE/ RATING SCALE FOR THE SKILL OF EXPLAINING

Name of the Teacher = Anusree Aivil
 Name of the observer = Nijil Sans
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shaly Joseph
 Date = 24/11/2024
 Time = 6 minutes

Component skills	Rating Scale					Tally
	Poor	Below Average	Average	Good	Very good	
Body movement				✓		
Gestures			✓			
change in speech pattern					✓	
change in interaction style				✓		
Pausing					✓	
Focusing				✓		
Oral-visual switching			✓			

OBSERVATION SCHEDULE / RATING SCALE FOR THE SKILL OF EXPLAINING

name of the teacher = Anusree Anil
 Name of the observer = Niveditha K.V.
 Session = Teach
 Topic = Identities
 Supervisor = Dr. Shaly Joseph
 Date = 24/01/2024
 Time = 6 minutes

Component skills	Rating Scale					Total
	Poor	Below Average	Average	Good	Very good	
Body Movement			✓			1
Gestures				✓		1
change in speech pattern			✓			1
change in interaction style			✓			1
Reusing				✓		1
Receiving				✓		1
.....					✓	1

1.3.1

Micro Teaching

3

Lesson Plan

Aparna Pradeep P.V

Ist year B.Ed Social Science

2022-24 Batch

2246

(Skill of Using Blackboard)

13.03.2023
Monday

ASSIGNMENT

Micro Teaching Lesson Plan

Submitted To :

Dr. Veena Appukuttan.
Department of Social Science
P.K.M. College of Education
Madampam.

Aparna Pradeep P.V
1st year B.Ed
Social Science
2246




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Introduction

Micro Teaching :

It is a scale down sample of teaching in which a teacher teach a small unit to a small group of students for a small period of time.

It is a method which enables teacher trainees to practice a skill of teaching a small lesson to a small group of students.

According to Allen, "It is a scale down teaching encounter in class size and class time."

Core Teaching Skills

The skills which are used by a teacher in her routine in teaching.

Skill of Introducing a lesson

This is a pre-instructional technique and its purpose is to clarify the goals of instructions. It is related to the beginning of the class.

Components :

- Gaining attention through voice, gestures, eye contact and communication.
- Arousing motivation using learning materials like videos, pictures etc...
- Structuring
- Making linked through comparing and contrasting with the familiar examples.

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Skill of Explanation

For an Effective Teaching-Learning Process, A teacher must have the skill of explanation. Simply it means that how a teacher makes a complex topic simpler so that the student can grab that topic without any trouble.

Components:

- Presentation style
- Structural components

Skill of Questioning

It is very important for a teacher to ask questions during a teaching in order to increase the thinking capabilities of students.

Components:

- probing questions
- prompting questions
- Re-directing
- Re-focusing

Skill of Using Blackboard

A blackboard is a powerful visual tool that facilitates effective instructions in the classrooms. It can capture and hold the attention of students. It can be used to present learning materials symbolically.

Components:

- Legibility in handwriting.
- Neatness.
- Appropriateness in presentation.



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5. Skill of Reinforcement.

This skill can increase the student's involvement in learning in a number of ways. The skill is used when the teacher reinforces a correct response with a smile, when the teacher praises a good response, or encourage a slow learner.

Components :

- Use of positive verbal reinforcement.
- Use of Gestural reinforcement.
- Use of contact reinforcement.
- Use of Proximity reinforcement.



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<p>Name of the teacher : Aparna Pradeep P.V</p> <p>Topic : Soil Evolves and Types</p> <p>Skill : Skill of Introducing a lesson</p> <p>Skill components : Gaining attention, Motivation, Interest</p>	<p>Standard : VIIIth</p> <p>Number of students : 20</p> <p>Time : 5 minutes</p>
<p>Facts</p> <ul style="list-style-type: none"> • Soil is a natural resources • Soil is essential for all living and nonliving things. • Soil is one of the important factor that makes life of the earth possible. 	<p>Learning objectives</p> <ul style="list-style-type: none"> • Student can to know the concept of soil.
<p>Learning activity</p> <p>Good morning students, First of all the class is started through asking investigation they freely talked to them related to their sights around. Then I asked the children about playing in the field. After that I introduce the topic soil through a cinematic song from the movie Jilebi acting Jayaram.</p>	

Jade
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THRISUR

അന്നത്തെ വിദ്യാർത്ഥികൾക്ക് അർത്ഥം വരാത്ത വിവരങ്ങൾ നൽകിയിട്ടുണ്ട്. അതിൽ ചിലത് മാത്രം നൽകിയിട്ടുണ്ട്. അതിൽ...

Then : ask the students about the meaning of this lines, what does it conveying?

Through this, show the material of different types of soil, like red soil, Desert soil, laterite soil etc.

Finally, I gave a work like to observe the things live in the soil.

That's all, so tomorrow onwards we will study the detailed concept of soil.

Okay students ...

Thank you ...

See you Tomorrow.



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Name of the Teacher : Aparna Pradeep P.V

Topic : Soil Evolves and Types of soil

Skill : Skill of Explanations

Skill Components : presentation, structuring

Standard : VIIIth

Number of Students : 20

Time : 5 minutes

Facts

- Soil is a natural resources.
- Soil formed by a prolonged process like weathering of Rocks.
- Soil estimated that more than a 1000 years is required for the formation of an inch-thick layer of soil.
- Factors influencing soil Formation.
- Different types of soil.

Learning objectives:

- Student can understand the Formation of soil.
- Students can learn the factors influencing soil and recalling their existing knowledge about the types of soil.

Learning activity

Good morning my dear students, How was your yesterday program? *It was good!*

It was good!

Name of the Teacher : Aparna Pradeep P.V
 Topic : Soil Evolves and Types of soil
 Skill : Skill of questioning
 Skill components : Probing, Refocusing, Redirecting, Prompting.

Standard : VIIIth
 Number of students : 20
 Time : 5 minutes

Facts

- Soil is a natural resources.
- Soil formed by prolonged process like weathering of rocks and decomposition of organic matter.
- Soil estimated more than 1000 years is required for the formation of an inch-thick layer.
- Factors influencing soil formation.
- Different types of soil are formed due to the variations in factors such as topography and climate.

Learning objectives

- Student can understand the soil formation and factors influencing soil.
- Student can recall their prior knowledge about the

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 SREEKANDAPURAM, TANJAVUR DT., 610011

type of soil.

learning activity : Good morning to all, First of all the class is started through asking investigation.

How many of you learned and observed what the teacher said yesterday? All of you? Yes miss.

Can I ask questions? Yes Miss.

How long time is required for the formation of a inch-thick layer of soil? children don't know the answer.

If you add a '0' to the 100 (Prompting) → 1000 years.

What are the factors influencing for the soil formation? (probing questions) children said the correct answer but insufficient.

I am giving a clue, one of the factor is related and starting with the word parent. parent rock, climate, time etc.

What are types of soil? (Redirecting) (Re Focusing) parent rock, climate, time etc. red etc.

questions: what is soil? what soil is formed?

Name of the Teacher : Aparna Pradeep P.V

Topic : Soil Evolves and Types

Skill : Skill of Reinforcement

Skill components : Use of verbal reinforcement, Use of contact and gestural reinforcement.

Standard : VIIIth

Number of Students : 20

Time : 5 minutes

Facts :

- Soil is formed by prolonged process through weathering of rocks and decomposition of organic matter.
- Factors influencing the soil formation.
- Types of soils.
- Time required for the formation of soil.

Learning objectives :

- Student can recalling their prior knowledge about soils.
- Student to remember what they have learned.

Learning activity :

- Good morning students, Start the class with casual talk.
- Have you learned the part taken by the teacher yesterday? (Use of verbal reinforcement - Very good)

Yes Miss.

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BREENGAPURAM, KANNUR DT., 670011

What is soil ? (Use of verbal reinforcement - excellent)	It is a natural resource (Student said)
How much time is required to form a inch-thick layer of soil ? (Showing a thumb impression)	1000 year (Student said)
Did you know, what are the factors influencing for the formation of soil ? (Use of contact reinforcement)	Time, climate, Topography, Parent rock etc. (Student said)
Did you know, How the soil is formed or what are the prolonged process ? (Use of gestural reinforcement specially facial expressions)	Decomposition of organic matter, weathering of rocks (Students said)
Is it enough ? Do you all are boring ? Do you want any other questions ? Then come's the next class with study well. Thank you students . . . OKay.	No . . . (Good) OK Fine. PKM COLLEGE OF EDUCATION MADRAS, TAMIL NADU

Name of the student: Aparna Pradeep P.V	Standard : VIII th
Topic : Soil Evolves and Types	Number of Students : 20
Skill : Skill of Using Blackboard	Time : 5 minute
Skill components : Neatness, continuity, clarity, structured.	

Facts	<ul style="list-style-type: none"> • Soil evolves is the natural prolonged process. • Soil estimated more than 1000 years is required. • Factors influencing soil formation. • Types of soil. • Pedology and pedologists.
-------	--

Learning objectives	<ul style="list-style-type: none"> • Student can understand the Soil formation. • Student can learn the pedology, pedologists and recall their prior knowledge about types of the soil.
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Learning activity	<ul style="list-style-type: none"> • Good morning my dear students, class starts with the casual interactions. • First of all Teacher wrote the subject name and
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MICRO TEACHING OBSERVATION-CUM RATING SCALE SCHEDULE

Preliminaries:

Name of the Micro Teacher: Adithya Raj
 Name of the Observer: Aparna Pradeep P.V
 Subject: Social Science
 Class: VIII
 Topic / Concept: உருண்ட மூலம்
 Date: 15.03.2023
 No. of Pupils or peers: 7
 Time: 5 minutes
 Teach / Re teach: Teach

INTRODUCING THE LESSON

Sl.No	Components	Tallies	Rating Scale
1	Testing Previous Knowledge / Experience of the pupil	Yes/No (/ / / / / / / /)	1 2 3 4
2	Sequential Questioning (Maintenance of questioning)	Yes/No (/ / / / / / / /)	1 2 3 4
3	Proper use of instructional materials / Devices / techniques / approaches	Yes/No (/ / / / / / / /)	1 2 3 4
4	Motivation / Elicitation	Yes/No (/ / / / / / / /)	1 2 3 4
5	Topic declaration with the help of pupils	Yes/No (/ / / / / / / /)	1 2 3 4

Signature of the Observer: *Aparna*

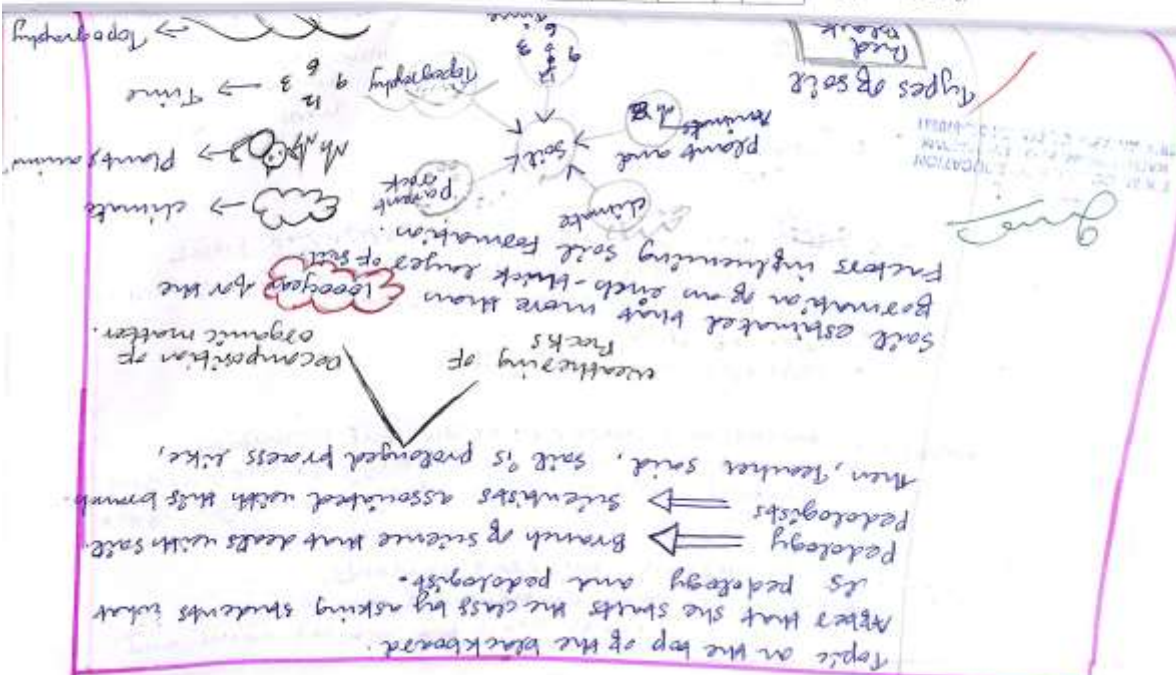
Name: Aparna Pradeep P.V

Roll No: 2246

Scale

- 0 = Poor
- 1 = Below Average
- 2 = Average
- 3 = Above average
- 4 = Excellent

Signature of the Supervisor: *[Signature]*



MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- *Normal*
 Name of the Observer :- *Aparna Pradeep P.V*
 Subject :- *Social Science*
 Class :- *VIIIth*
 Topic / Concept :- *Paleolithic Age*
 Date :- *21-03-2023*
 No. of Pupils or peers :- *8*
 Time :- *5 minutes*
 Teach / Re teach :- *Re-teach*
 Skill :- **INTRODUCING THE LESSON**

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Testing Previous Knowledge / Experience of the pupil	Yes/ No	()	()	()	(✓)	()
2	Sequential Questioning (Maintenance of questioning)	Yes/ No	()	()	(✓)	()	()
3	Proper use of instructional materials / Devices / techniques / approaches	Yes/ No	()	()	(✓)	()	()
4	Motivation / Elicitation	Yes/ No	()	()	(✓)	()	()
5	Topic declaration with the help of pupils	Yes/ No	()	()	()	()	(✓)

Signature of the Observer *Aparna Pradeep P.V*

Pradeep

Signature of the Supervisor

Name: *Aparna Pradeep P.V*

Roll No: *2246*

Scale
 0 = Poor
 1 = Below Average
 2 = Average
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 4 = Excellent



Pradeep
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 BANGALORE, KARNATAKA, INDIA - 560031

MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- Amal Tomy
 Name of the Observer :- Aparna Pradeep P.V
 Subject :- Social Science
 Class :- IX
 Topic / Concept :- അന്വേഷണപരിപാടിയിലെ ദ്രവണപ്രക്രിയ
 Date :- 22.03-2023
 No. of Pupils or peers :- 7
 Time :- 7 minutes
 Teach / Re teach :- Re-Teach
 Skill :- EXPLAINING SKILL

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Using appropriate beginning	Yes/ No	()	()	()	()	()
2	Using explain skill	Yes/ No	()	()	()	()	()
3	Converging essential point	Yes/ No	()	()	()	()	()
4	Fluency of explaining	Yes/ No	()	()	()	()	()
5	Testing pupils understanding	Yes/ No	()	()	()	()	()
6	Concluding statement	Yes/ No	()	()	()	()	()

Signature of the Observer 

Name: Aparna Pradeep P.V
 Roll No: 2246
 Scale
 0 = Poor
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 Signature of the Supervisor




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MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- Sreedhu. M
 Name of the Observer :- Aparna pradeep P.V
 Subject :- Social Science
 Class :- IXth
 Topic / Concept :- 20110000 00200000
 Date :- 15.03.2023
 No. of Pupils or peers :- 7
 Time :- 6 minutes
 Teach / Re teach :- Teach
 Skill :- EXPLAINING SKILL

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Using appropriate beginning	Yes/ No	()	()	()	(✓)	()
2	Using explain skill	Yes/ No	()	()	()	()	(✓)
3	Converging essential point	Yes/ No	()	()	()	(✓)	()
4	Fluency of explaining	Yes/ No	()	()	()	(✓)	()
5	Testing pupils understanding	Yes/ No	()	()	(✓)	()	()
6	Concluding statement	Yes/ No	()	()	(✓)	()	()

Signature of the Observer *Aparna*

[Signature]
Signature of the Supervisor

Name: *Aparna Pradeep P.V*
 Roll No: *2246*
 Scale
 0 = Poor
 1 = Below Average
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 4 = Excellent



[Signature]
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 SREEKANTHAPURAM, KANNUR DT., 671011

MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- Anagha . K
 Name of the Observer :- Aparna Pradheep P.V
 Subject :- Social Science
 Class :- VIIIth
 Topic / Concept :- ദ്വയാർത്ഥ ശബ്ദം
 Date :- 15-03-2023
 No. of Pupils or peers :- 7
 Time :- 6 minutes
 Teach / Re teach :- Teach
 Skill :- QUESTIONING SKILL

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Realization of Objectives	Yes/ No	()	(✓)	()	()	()
2	Simple / Order / Sequence / Probing Questioning	Yes/ No	()	()	(✓)	()	()
3	Promoting cue / hint questioning	Yes/ No	()	(✓)	()	()	()
4	Receiving further information	Yes/ No	()	(✓)	()	()	()
5	Refocusing questioning	Yes/ No	()	()	()	(✓)	()
6	Redirected questioning	Yes/ No	()	()	()	()	(✓)
7	Increasing critical awareness	Yes/ No	()	(✓)	()	()	()
8	Structuring of pupil responses	Yes/ No	()	(✓)	()	()	()

Signature of the Observer *Aparna*

[Signature]
Signature of the Supervisor

Name: *Aparna Pradheep P.V*
 Roll No: *2246*
 Scale

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- 4 = Excellent



[Signature]
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MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- Tincy Thomas
 Name of the Observer :- Aparna Pradeep P.V
 Subject :- Social Science
 Class :- VIII
 Topic / Concept :- *ശബരിമലയിലെ സമൂഹത്തിലെ നിലനില്പും സാമൂഹിക മൂല്യങ്ങളും*
 Date :- 15.03.2023
 No. of Pupils or peers :- 7
 Time :- 6 minutes
 Teach / Re teach :- Teach
 Skill :- QUESTIONING SKILL

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Realization of Objectives	Yes/ No	()	()	(✓)	()	()
2	Simple / Order / Sequence / Probing Questioning	Yes/ No	()	()	(✓)	()	()
3	Promoting cue / hint questioning	Yes/ No	()	()	()	(✓)	()
4	Receiving further information	Yes/ No	()	()	(✓)	()	()
5	Refocusing questioning	Yes/ No	()	(✓)	()	()	()
6	Redirected questioning	Yes/ No	()	()	(✓)	()	()
7	Increasing critical awareness	Yes/ No	()	()	(✓)	()	()
8	Structuring of pupil responses	Yes/ No	()	()	(✓)	()	()

Signature of the Observer *Apa*

[Signature]

Signature of the Supervisor

Name: *Aparna Pradeep P.V*
 Roll No: *2246*

- Scale
- 0 = Poor
 - 1 = Below Average
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MICRO TEACHING OBSERVATION CUM RATING SCALE SCHEDULE

Preliminaries:-

Name of the Micro Teacher :- Vrinda . M . o
 Name of the Observer :- Aparna Pradeep P . v
 Subject :- Social Science
 Class :- VIIIth
 Topic / Concept :- 20th 03rd 2023
 Date :- 20.03.2023
 No. of Pupils or peers :- 6
 Time :- 10 minutes
 Teach / Re teach :- Teach
 Skill :- USING OF THE BLACK BOARD

Sl.No	Components	Tallies	Rating Scale				
			1	2	3	4	5
1	Standing Place of the Teacher	Yes/No (✓) ()	()	()	(✓)	()	()
2	Standing position of the Teacher	Yes/No (✓) ()	()	()	(✓)	()	()
3	Legible Writing	Yes/No (✓) ()	()	()	()	()	(✓)
4	Stretching Hard while writing	Yes/No (✓) ()	()	()	()	()	(✓)
5	Facing towards the Students	Yes/No (✓) ()	()	()	()	(✓)	()
6	Wiping from top to bottom	Yes/No (✓) ()	()	()	()	()	(✓)
7	Original Placement of the Teacher	Yes/No (✓) ()	()	()	()	()	(✓)
8	Neatness in written work	Yes/No (✓) ()	()	()	()	()	()
9	Level of aspiration	Yes/No (✓) ()	()	()	()	()	()

Signature of the Observer *Aparna Pradeep P.V.*

[Signature]
Signature of the Supervisor

Name: *Aparna Pradeep P.V.*
 Roll No: *2246*
 Scale

- 0 = Poor
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 SREEKANDAPURAM, KANNUR DT., -570631

MICROTEACHING

Submitted by
Suhaira N
Roll no : 2132
Natural Science

[Handwritten signature]
13/12/21

Submitted to
Vesmaya Hans
Natural Science
PKM college of Education

[Handwritten signature]
P.K.M. COLLEGE OF EDUCATION
KAITUMAPU
BANGALORE



6

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SECYDARAPUR, RAICHUR DT., KARNATAKA

MICROTEACHING

Introduction

Teaching is not a single thing but collaboration & aggregation of various skill such as introduction skill, questioning skill, reinforcement skill, explanation skill etc. For a teacher trainee, it is difficult to use all these skills at the same time while teaching a class. Therefore these skills are scaled down or broken down to its micro level and then practiced one at a time. Microteaching is defined as the teaching through which a teacher trainee teaches his 5-10 classmates for 5-10 minute taking a very small concept or practice & emphasize one skill at a time to get perfection in using the skill is called microteaching.

According to Allen and Eve (1909) Microteaching is a system of controlled practice that make it possible to concentrate on specific teaching behaviour and to practice under controlled conditions.



Method Involved in Microteaching

The microteaching consists of various steps. These are the following,

Step 1:- Planning

The pupil teacher decides the skills that has to be emphasized & practiced to any particular lesson. He decides the topic & a concept, which can be presented in just 5-10 minutes.

Step 2 :- Teaching

According to planning, the pupil teacher teaches his peer group for 5-10 min. He has to emphasize the use of the skill mentioned in the plan so that he gets perfection in using the skill steadily. The subject experts and one of the pupil teacher's classmates make the teaching appraisal according to the appraisal guide/observation schedule and rate the use of every component of skill and the skill as a whole.

Step 3 :- Feedback

After the teaching is over, the subject expert and the peer group give feedback to the pupil teacher. Strength and weakness are discussed in the group. Appraisal guide & observation schedule, included at the end

In the microteaching plan is used for this purpose.

Step 4 :- Replanning

As per the feedback received, the pupil teacher revises his lesson strategy. He may take upon another concept & repeat the same topic depending on the quantum of strength and weakness of the previous lesson.

Step 5 :- Reteaching

The pupil-teacher teaches again the same group of students with replanned lesson.

Step 6 :- Feedback

The supervisor observes the lesson plan and checks whether any improvement is made & not the peer group plays the dual role as student and peer supervisor. They also observe and suggest the pupil teacher. The group assesses the lesson again and point out the improvement and lacunness.



Microteaching cycle



Skills of Microteaching

Teaching does not comprise of one skill but of composite ones which together make the teaching learning process effective. Some of the important teaching

skills are:-

- Introduction skill
- Questioning skill
- Blackboard writing skill
- Reinforcement skill

- Explanation skill
- Skill of achieving closure
- Stimulus variation

1. Introduction skill

Introduction skill is the skill required to begin the teaching-learning process on good note.

→ Components

- Use of Past experience
- Use of Previous knowledge
- Use appropriate device
- Hint with new topic

2. Questioning Skills

Questions are the most important tool for thinking. It is the tool of reasoning, learning and teaching and without it teaching and learning is impossible.

→ Components

- Prompting
- Seeking further information
- Recapitulating

- Redirecting questions

3. Blackboard use Skill

Black board is one of the most important tools in classroom teaching. Effective use of blackboard increases the effectiveness of teaching as it helps the teacher in giving explanation and the student to understand the topic.

→ Components

- Contact with pupil
- Legibility
- Size and alignment
- Highlighting main point
- Space utilization
- Blackboard Summary
- Correctness
- position of teacher

4. Stimulus variation

The process of bringing variation in the overall interactive environment of the class with the help of stimuli change is called stimulus variation.

→ Components

- Body movement

- Gestures
 - ↳ Head
 - ↳ Hand
 - ↳ Facial gestures
- Change in voice
- Focussing
- Eye contact and eye movement
- Pausing

5. Explanation Skill

This is the skill required to develop understanding and higher order thinking among students. Explanation skill is one of the most important attributes a good teacher must possess. The teachers having sound skill of explanations are generally among the students.

→ Components

- Clear beginning statement
- Fluency in explanation
- Connecting links
- Summarising Main point
- Use of proper words



6. Skill of Reinforcement

Reinforcement is a skill which a teacher uses to increase the fluency of positive & desirable behaviour of the learners or to decrease the negative or undesirable behaviour of the learner. It is used to strengthen the student's positive response and to motivate them to do much better.

→ Components

- Verbal

- a) positive

- * Good

- * Fast

- * Excellent

- b) Negative

- * No

- * Wrong

- * Stop it

- Non verbal
 - a) positive
 - * Smiling
 - * Nodding the head
 - * Clapping
 - * Asking questions to clap
 - b) Negative
 - * Beating
 - * Raising the eyebrows




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KERALA

MICROTEACHING LESSON PLAN FOR SKILL OF INTRODUCTION

Name of the teacher : Subarra N	Class : IX
Subject : Biology	Duration : 5 mins
Unit : Simple Nutrients into cells	Date :
Topic : Heart	Teach/Reteach : Teach

Components of the skill
 * Use of previous knowledge
 * Use of appropriate device

Teacher's activity	Student's Response	Components
<ul style="list-style-type: none"> • Good morning all • How are you all? • Today we will learn about a new topic • Do you heard about heart? 	<p>Good morning Ma'am we are fine Ma'am</p> <p>Okay Ma'am</p> <p>Yes Ma'am</p>	<p>Previous knowledge</p>

<ul style="list-style-type: none"> • Okay, where it is situated? • Yes, the heart is situated slightly tilted towards the left in between the two lungs • Do you know, the functions of heart? • Good, Now we are going to study the structure of the heart. 	<p>Ma'am, between two lungs</p> <p>Yes Ma'm</p> <p>Yes Ma'm, Heart pumps blood to different parts of the body.</p>	<p>Previous knowledge</p>  <p>P.K.M. COLLEGE OF EDUCATION KATHAPUR, P.O. KATHAPUR, DIST. SREERANGAPET, PIN-575001</p>
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MICROTEACHING LESSON PLAN FOR SKILL OF INTRODUCTION




Name of the teacher : Subarra N
 Subject : Biology
 Unit : Simple Nutrients into cell
 Topic : Heart

class : IX
 Duration : 5 min
 Date :
 Teach/Reteach : Reteach

Components of the skill

- * Use of previous knowledge
- * Use of appropriate device

Teacher's Activity	Students' Response	Components
<ul style="list-style-type: none"> • Good Morning all • How are you all? • Today we will learn about a new topic • Before going to the topic, let me ask you a question Do you know, how the 	<p>Good morning Ma'am we are fine Ma'am Okay Ma'am</p> <p style="color: red; font-size: 2em;">/</p>	

<p>well water reaches to different parts of your home? who help for that?</p> <ul style="list-style-type: none"> • Good, like wise in our body there is an organ which pumps blood to different part, do you know which organ is that? • Very good. Now all of you hold your right hand close to the chest. do you hear anything? what is that? • Very good. The heart beats 72 times in a minute 	<p>Mam, the Hbse pumps water to different areas in our home</p> <p>Yes Ma'am, Heart pumps blood to different parts of our body</p> <p>yes Ma'm, Heart beat</p> 	<p>Previous knowledge</p>  <p>PKM, BOLD, COMMUNICATION KATHAPUR, DISTRICT OF BREDKAVAPUR, PIN CODE 56-0001</p>
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MICROTEACHING LESSON PLAN FOR SKILL OF EXPLAINING

Name of the teacher: Subhira N
 Subject : Biology
 Unit : Simple Nutrients into cell
 Topic : Heart

class : IX
 Duration : 5 min
 Date :
 Teach/Reteach :

Components of the skill

- * Use of beginning statement
- * Use of explaining links
- * Use of mediators
- * Use of concluding statement
- * checking student's understanding

Teacher's Activity	Student's Response	Components
<ul style="list-style-type: none"> • Teacher enters the class and greets the students • Teacher show a Model of heart and ask questions Do you know, what is this? 	<p>Students greet back</p> <p>Yes Ma'm, This is the Model of human heart</p>	<p>use of Mediator</p> <p><i>[Signature]</i></p>




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<ul style="list-style-type: none"> • Good. Do you know the function of the heart? • Yes, Heart pump blood to different parts of the body and it is situated slightly tilted towards the left in between the two lungs, behind the sternum in the thoracic cavity • The teacher explains the structure of the heart using the Model. The human heart is covered by a double layered membrane called Pericardium. Pericardial fluid is filled between the pericardial membrane • Teacher point out the four chambers of the heart in the Model and ask which are they? 	<p>Yes Ma'm, it pumps blood to different parts of the body</p> <p>Okay Ma'm</p> <p>There are 4 chambers, Right atrium, Right ventricle, left atrium and left ventricle.</p>	<p>Use of beginning statement</p>
--	---	-----------------------------------

<ul style="list-style-type: none"> • Teacher explains about the arteries and veins in heart. Aorta carries blood from left ventricle and pulmonary arteries carries blood from right ventricle. Teacher asks what is the function of arteries? • Good. Teacher point out the different veins in the heart. Superior and inferior venacava and pulmonary vein. Veins carry blood to heart. Teacher asks what is the function of Pulmonary vein? • There are 4 valves present in the heart. Teacher shows the model to student and point out the Aortic valve, Pulmonary valve, Bicuspid 	<p>Arteries carries blood from the heart to different parts of the body.</p> <p>Pulmonary veins carries blood from lungs to heart</p>	<p>checking pupils understanding</p> <p>checking pupils understanding</p>
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<ul style="list-style-type: none"> • Teacher explains about the arteries and veins in heart. Aorta carries blood from left ventricle and pulmonary arteries carries blood from right ventricle. Teacher asks what is the function of arteries? • Good. Teacher point out the different veins in the heart. Superior and inferior venacava and pulmonary vein. Veins carry blood to heart. Teacher asks what is the function of Pulmonary Vein? • There are 4 valves present in the heart. Teacher shows the model to student and point out the Aortic valve, Pulmonary valve, Bicuspid 	<p>Arteries carries blood from the heart to different parts of the body.</p> <p>Pulmonary veins carries blood from lungs to heart</p>	<p>checking pupils understanding</p> <p>checking pupils understanding</p> <p></p>
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<p>Valve and Tricuspid valve. Where are these valves situated? Do you know, look at this Model and say?</p> <ul style="list-style-type: none"> • Very good. The function of these valves are to prevent the backward flow of blood • This is all about the structure of heart. In the next class, we will study about how heart works? Is the topic clear? 	<p>Yes Ma'am aortic valve is present between aorta and left ventricle. Pulmonary valve is between pulmonary artery and right ventricle. Bicuspid valve seen between left atrium and left ventricle. Tricuspid valve present between right atrium and right ventricle</p> <p>Yes Ma'am</p> <p>Yes Ma'am</p> <p>Okay</p>	<p>concluding statement</p>
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MICROTEACHING LESSON PLAN FOR SKILL OF BLACKBOARD WRITING

Name of the teacher : Subhansu N
 Subject : Biology
 Unit : Simple organisms into cell
 Topic : Structure of the heart

Class : IX
 Duration : 5 mins
 Date :
 Teach/Reteach : Teach

Components of the skill

- * Legibility of hand writing
- * Neatness
- * Appropriateness
- * Organisation

Teacher's activity	Student's Response	Components
<ul style="list-style-type: none"> • Good morning all • In the last class, we came through the structure of heart. Today, let's look into the details (writing the heading on black board) let's begin? • Heart pumps blood to different parts of the body. Do you know 	<p>Good morning Ma'am</p> <p>Yes ma'am</p>	<p>Neatness</p>

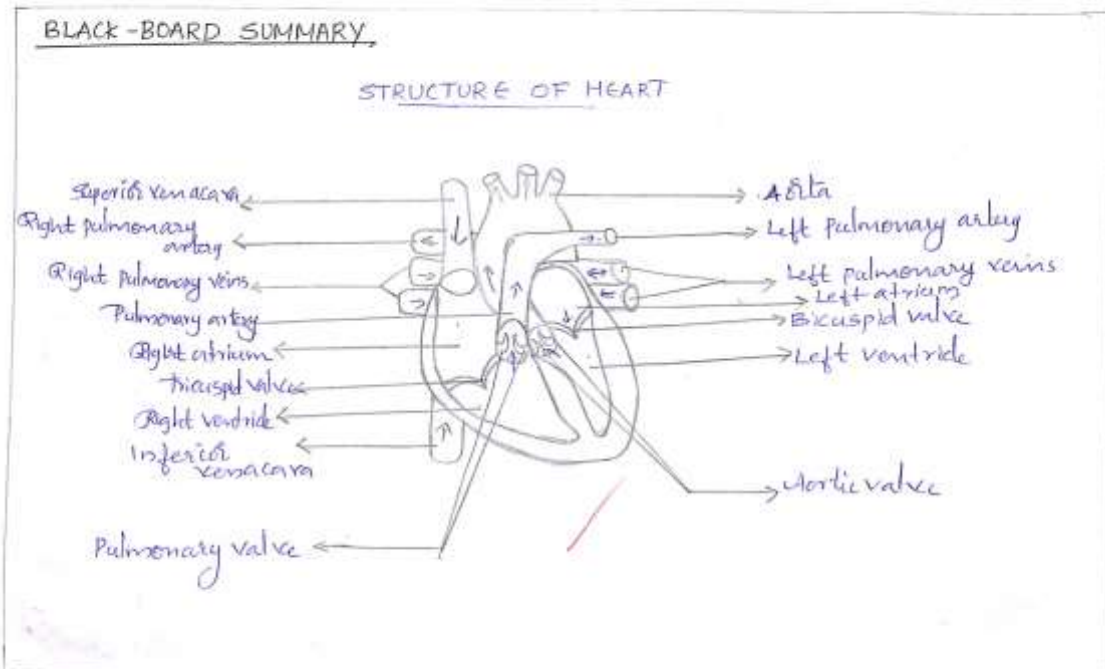


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 SRIKANDAPURAM, ANDHRA PRADESH, 522601

<p>the size of human heart?</p> <ul style="list-style-type: none"> The size of human heart is equal to size of one's fist. The heart is situated slightly tilted towards the left in between the two lungs in the thoracic cavity. (Teacher draw the structure of heart in Black board) Can you recall how many chambers are there in heart? Which are they? Very good. Do you know the valves present in human heart. (Teacher mark the valves in the heart on Black board) Good. The double layered membrane which covers the heart is known as? 	<p>No Ma'am</p> <p>Yes Ma'am. There are 4 chambers in heart Right Atrium, Right Ventricle, left atrium and left Ventricle.</p> <p>Yes Ma'am. Aortic valve, Pulmonary valve, Bicuspid valve and Tricuspid valve.</p> <p>Pericardium ✓</p>	<p>appropriateness</p> <p>Neatness</p>
--	--	--


<p>• Good. There are arteries and veins in the heart. Aorta and pulmonary artery carries from heart. Superior and inferior venacava and pulmonary vein carries blood to heart. [Teacher draw and label the artery and veins on blackboard].</p> 		<p>Neatness</p>  <p>PRINCIPAL P.K.M. COLLEGE OF EDUCATION KATTHAPPADE, SREEGANAPURAM SREEGANAPURAM, TAMIL NADU - 626011</p>
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MICROTEACHING LESSON PLAN FOR SKILL OF REINFORCEMENT

Name of the teacher : Subhira N
 Subject : Biology
 Unit : Simple nutrients Int. cells
 Topic : Heart
 Class : IX
 Duration : 5 mins
 Date :
 Teach/Reteach : Teach

Components of the skill
 * Positive verbal reinforcement : Good, fair, excellent
 * Positive Non verbal reinforcement : Smiling, nodding the head, clapping
 * Negative verbal reinforcement : No, wrong, stop it
 * Negative Non verbal reinforcement : Beating, raising the eyebrow

Teacher's activity	Student response	Components
Teacher entered into the class with a smiling face. • Good morning, students • So dear students, what did we study in the last class? • Yes, what did you all go home and read the notes	Good morning Ma'am We studied about the structure of heart. Yes Ma'am	 P.K.M. COLLEGE OF EDUCATION KATTIAPALLE, DISTRICT TIRUPUR COIMBATORE, DISTRICT DE-670031

<ul style="list-style-type: none"> • Okay, Good • Tell me, where the heart is situated? 	<p>Heart is situated slightly tilted towards left, in between the two lungs behind the sternum</p>	<p>Positive verbal reinforcement</p> <p>Positive non-verbal reinforcement</p>
<p>[Nodding the head]</p> <ul style="list-style-type: none"> • How many chambers are there in human heart? Tell me ABC which are they? 	<p>Four chambers. Right atrium, Right ventricle, Left atrium and left ventricle.</p>	<p>Positive non-verbal reinforcement</p>
<ul style="list-style-type: none"> • [Teacher claps] Now tell me P&R, which blood vessel carry blood from heart? 	<p>Veins, Mam</p>	<p>Positive non-verbal reinforcement</p>
<ul style="list-style-type: none"> • Wrong Think again 	<p>scary Mam, Arteries carries blood from heart</p>	<p>Negative verbal reinforcement</p>

<ul style="list-style-type: none"> • Okay, which are two arteries present in heart? • Good. Now tell me XYZ which are the four valves present in human heart? • very good. • Now tell me, the double layered membrane that covers the heart? • Good, you all are up to date with the portion • keep it up 	<p>Aorta and pulmonary artery</p> <p>Pulmonary valve, Aortic valve, Tricuspid valve and Bicuspid valve.</p> <p>pericardium</p>	<p>Positive verbal reinforcement</p> <p>Positive verbal reinforcement</p> <p>Positive verbal reinforcement</p> <p><i>[Signature]</i></p>
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LINK LESSON PLAN

Name of the teacher : Suhaira N
 Subject : Biology
 Unit : Simple organisms proto cells
 Topic : Heart

class : IX
 Duration : 15 min
 Date :
 Teach/Reteach: Teach

Skills integrated

- * Skill of introducing a lesson
- * Skill of explaining
- * Skill of blackboard writing
- * Skill of reinforcement

Teacher's activity	Students' response	Components
Teacher enters the class with a smiling face • Good morning all • How are you • Today we will learn about a new topic.	Good morning Ma'am Fine Ma'am Okay Ma'am ✓	1

<p>Q. Do you know where the heart is situated?</p> <p>Yes, the heart is situated slightly tilted towards the left in between the two lungs.</p> <p>[Teacher writes heading on blackboard]</p> <p>Do you know the structure of heart?</p> <p>Okay, Teacher shows a model of human heart and explains the structure. The size of human heart is equal to the size of one's fist.</p> <p>[Teacher draws the structure of heart]</p>	<p>Yes Ma'am, it is between two lungs</p>	<p>[BB]</p> <p>Neatness</p> <p>use of Mediator</p> <p>Blackboard Neatness Appropriateness</p>
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• Teacher explains, that heart is covered by double layered membrane called pericardium. Pericardial fluid is filled in between the pericardial membrane.

• There are 4 chambers in human heart. Teacher point out in the model and ask which are they?

• Good
(Teacher Marks the 4 chambers) on Black board.

• Teacher explains about the arteries and veins in heart. Aorta carries blood from left ventricle and pulmonary arteries carries blood from

Right Atrium, Right Ventricle, left atrium and left ventricle.


Positive Verbal Reinforcement



<p>right ventricle. [Teacher draw arteries on black board]</p> <ul style="list-style-type: none"> • Now tell me ABC, what is the function of arteries? • Very good • There are superior and inferior venacava and pulmonary veins in the heart. The function of vein is to carry blood to heart. [Teacher draw and mark veins on black board] • Teacher show the model to students and ask how many valves are there in human 	<p>arteries carries blood from the heart to different parts of the body</p>	<p>Appropriateness</p> <p>checking pupils understanding</p> <p>Positive verbal reinforcement</p> <p>Appropriateness</p>
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<p>heart?</p> <p>Nodding the head</p> <ul style="list-style-type: none"> • Aortic valve, pulmonary valve, Tricuspid valve and bicuspid valve are the 4 valves seen in heart. <p>[Teacher mark and label the 4 valves on blackboard]</p> <ul style="list-style-type: none"> • Aortic valve is present between aorta and left ventricle like wise where the other valves are situated? Tell me P.R. <p>[Teacher claps]</p>	<p>4 valves</p> <p>pulmonary valve is seen between pulmonary artery and right ventricle. Bicuspid valve is between left atrium and left ventricle. Tricuspid valve present between right atrium and right ventricle.</p>	<p>Positive Non-verbal reinforcement</p> <p>Neatness</p> <p>Positive non verbal reinforcement</p>
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<ul style="list-style-type: none"> • The function of these valves are to prevent the backward flow of blood. • This is all about the structure of heart. Is this clear? • All of you should draw and label the structure of heart in your notebook. • In the next class, we will study about the working of heart. 	<p>Okay Ma'am</p> <p>Yes Ma'am</p> <p>Okay Ma'am</p> <p>Okay Ma'am Thank you</p>	<p>Concluding Statement</p> 
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13/7/24