Maths

गुलाबबाई यादव स्मृति शिक्षा महाविद्यालय, बोरावां

सम्बद्धता: देवी अहिल्या विश्वविद्यालय, इन्दौर

पाठ योजना पुस्तिका

छात्रा अध्यापिका नाम Smt. Sheetal Nimole

कक्षा B.ed. III Semester वर्ग III

अनुशिक्षकीय समूह क्र. _____ सत्र 2021-2022

अनुशिक्षक श्री/श्रीमती Mr. Anil Kumar

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 है. कला और कारीगरी मेरे दो हाथ हैं. विज्ञान मेरा मस्तिष्क है. धर्म मेरा हृदय है. निरीक्षण और तर्क मेरी दो आँखे है. इतिहास मेरे कान है. स्वातंत्र्य है. मेरा श्वास है. उत्साह और उद्योग मेरे फेफड़े हैं. धैर्य मेरा व्रत है. श्रद्धा मेरा चैतन्य है. ऐसी मैं जगदम्बा हूँ, जगद्धात्री 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

श्रद्धा-सेवा-विश्वास

गुलाबबाई यादव स्मृति शिक्षा महाविद्यालय, बोरावां

जीवन का उद्देश्य

जो बैठता है उसका भाग्य भी बैठ जाता है, जो खड़ा हो जाता है, उसका भाग्य भी खड़ा हो जाता है. जो सो जाता है, उसका भाग्य भी सो जाता है. जो चलता है, उसका भाग्य भी चलता है. इसलिए परिश्रम करो, परिश्रम करों..

सो जाने का नाम ही कलियुग है, आलस्य छोड़ना ही द्वापर युग है, उठना त्रेता युग है और परिश्रम करना सतयुग है. इसलिए परिश्रम करो, परिश्रम करों...

मधुमक्खी चलकर मधु प्राप्त करती है. पक्षी भ्रमण करने से मीठा फल प्राप्त करते है. सूर्य की जो शोभा है, वह उसके आलस्य रहित भ्रमण के कारण ही है. इसलिए परिश्रम करो, परिश्रम करों..

प्रमाण-पत्र

प्रमाणित किया जाता है कि

छात्राध्यापिका Smt- Sheetal Nimole

पिता/पति ने Shri- Narendra Nimole

विषय Mathematics पाठयोजना

का प्रस्तुतीकरण मेरे निर्देशन में किया

Sheetal
छात्राध्यापिका

विषयशिक्षक

प्राचार्य

Prof. S.K. Tiwari
Principal
Swa. Gulab Bai Yadav Smriti
Shiksha Mahavidhyalaya
BORAWAN (M.P.)

अनुक्रमणिका

शिक्षणाभ्यास कार्यक्रम संख्या	दिनांक..... से.....तक	विषय	कक्षा	शाला	पढ़ाने गये पाठों की संख्या	पर्यवेक्षक हस्ताक्षर
LESSON PLAN-01 Angles		Mathematics	10th	High School Rajpur	01	
LESSON PLAN-02 fraction		Maths	9th	High school Rajpur	01	
LESSON PLAN-03 Arithmetic Progression		Maths	10th	High school Rajpur	01	
LESSON PLAN-04 Inter-Relationship Trignometic Ratio		Maths	10th	High school Rajpur	01	
LESSON PLAN-05 Add & Sub of Algebric Expression		Maths	10th	High school Rajpur	01	
LESSON PLAN-06 Properties of Integer		Maths	10th	High school Rajpur	01	

Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya BORAWAN (M.P.)

अनुक्रमणिका

शिक्षणाभ्यास कार्यक्रम संख्या	दिनांक..... से.....तक	विषय	कक्षा	शाला	पढ़ाने गये पाठों की संख्या	पर्यवेक्षक हस्ताक्षर
LESSON PLAN - 07 Factorization		Mathematics	10th	High School Rajpur	(01)	
LESSON PLAN - 08 Linear equation in one variable		Maths	10th	High School Rajpur	(01)	
LESSON PLAN - 09 Simple Interest		Maths	10th	High School Rajpur	(01)	
LESSON PLAN - 10 Simple equation and their solutions		Maths	9th	High School Rajpur	(10)	
LESSON PLAN - 11 Rational Number		Maths	9th	High school Rajpur	(01)	
LESSON PLAN - 12 Probability		Maths	9th	High School Rajpur	(01)	
LESSON PLAN - 13 Percentage		Maths	9th	High school Rajpur	(01)	

Sant Gulab Bai Yadav Smriti Shiksha Mahavidhyalaya ★ BORAWAN (M.P.) ★

अनुक्रमणिका

शिक्षणाभ्यास कार्यक्रम संख्या	दिनांक..... से.....तक	विषय	कक्षा	शाला	पढ़ाने गये पाठों की संख्या	पर्यवेक्षक हस्ताक्षर
LESSON PLAN-14 Multipli-cation		Mathe-matics	8th	High school Rajpur		
LESSON PLAN-15 Polynomial		Maths	9th	High school Rajpur	61	
LESSON PLAN-16 volume of cone & cylinder		Maths	9th	High School Rajpur	01	
LESSON PLAN-17 co-ordinate Geometry		Maths	10th	High school Rajpur	01	
LESSON PLAN-18 Proportion		Maths	9th	High School Rajpur	01	
LESSON PLAN-19 Area of Related to circle		Maths	10th	High school Rajpur	01	
LESSON PLAN-20 Statics		Maths	9th	High School Rajpur	19	

3. Application :- People will able to give example of the object of the angle.
Pupil will be able to use the knowledge of and in real time.

4. Skill :- People will be able to draw various types of angles. People will be able to do comparision between two angle.

5. Teaching Aids :- Compass, Scale, Pointer, Simple instrumen of class room.

6. Previous Knowledge Assumed :- Teacher assumed that the student are famalier with the concept of point line way and line segement.

7. Previous Knowledge Testing.

S.N	Teacher Activity	Student Activity	Block Board
1.	Showing two line segment P.T. ask what is the shortest	Line Segment	A B
2.	When line segment extend in both direction what will	Line	Ray (Line) A

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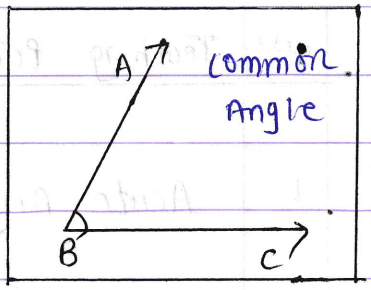
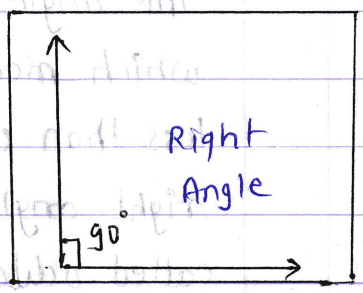
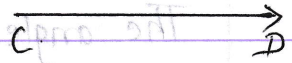
S.NO	Teacher Activity	Student Activity	Black board work.
	be say ?	Line	
3.	When two ways meet at a common point line what will be say ?	Angle	
4.	What is the common point when true ways meet	Vertex	
5.	What are types of angle	No response	
6.	Who has one end point and one direction ?	Ray	

8 Announcement of the Topic :-

Student today we will learnt about angle.

* Presentation →

The Teacher will teach the lesson by method, custome, demonstration techniques, illustration with example.

S.NO	Teaching Point	Teacher Activity	student Activi
1.	Acute Angle The angle in which measure less than or right angle is called acute angle.	Teacher will explain about actute angle by paper teaching method. Identify the object forming acute angle.	Listening carefully
2.	Obtuse Angle The angle measure more than 90° and less than 180°	Teacher will explain by proper teaching or what is method of obtuse Angle	Listening carefully
3.	Right Angle.	An angle which is measure 90° is Right Angle	Listening carefull.

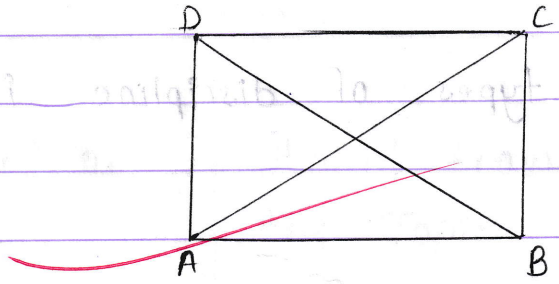
* Recaptulation :-

Classify the angle in the appropriate outgoing and fill up given table.

a) 90°
b) 180°
c) 95°
d) 210°
e) Define the measure of an angle ?
f) What is acute angle.

* Homework :-

1. Write the nam of all angles



2. Draw angles [∠PQR & ∠ABC]

∠PQR > ∠ABC

∠PQR = ∠ABC

∠PQR < ∠ABC

Sheetal
Trainee Sign

Swa. Gulab Bai Yadav Smriti Shiksha Mahavidyalaya ★ BORAWAN (M.P.) ★

Teacher's Sign

03/7/20

LESSON PLAN - 02.

* Name :- Sheetal Nimole 08/7/2022

* Class :- 9th * Subject :- Maths

* Topic :- Fraction * Duration :- 40 min

* General objectives :-

1. To unable the student to understand the use of number and quantities related to their daily life.

2. To unable the student to solve mathematical problem of daily life.

3. To create suitable types of discipline in the mind of student.

* Specific objectives :-

1. Students are able to give knowledge about fractions.

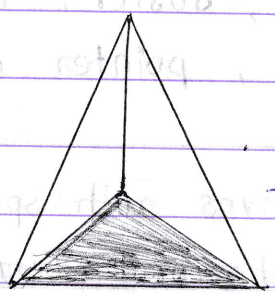
2. Student are able to understand about fractions and its types.

3. Student are able to apply the concept in adding and substracting fraction.

* Previous Knowledge :- Student have basic knowledge about fractions.

* Teaching Aids :- Chalk, duster, Black-board, Roller, Board, pointer etc.

S.NO	Content	Objectives with Specification in Behavioral Terms	Pupil's Teacher's Activities
1.	Introduction	Student correlates their previous knowledge with new knowledge :	Introducing Questions 1) which fruit do y like the most? 2) How will you distribute an apple between two girls? So today we will study about fracti
2.	Statement of Aim	Student knows about the Topic.	
3	Fraction	Student are able to recall types of number.	A fraction is a part of a whole or any number of equal parts. W call the upper number in "Numerato It is the number

SNo	Content	objectives with specification in Behavioral Terms	Pupil's Teacher's Activities
			of parts the who is divider into
4.	Student listen carefully	Explanation method.  → $\frac{1}{3}$. So a fraction is a part of a whole in $\frac{1}{3}$ → "1 → Numerator, 3 → Denomenator	
5.	Developing Questions	Student are able to develop the acquired knowledge.	Developmentary Questio 1. What is fraction 2) Determine numbe
6.	Types of Fraction	kno: Student are able to recognize fraction Uno: students are able is convert mixed fraction is simple.	3. Which type of fracti is $\frac{18}{25}$? explanation. There are three main types of fraction? 1. Proper fraction.

	Und:- Student are able is concert mixed fraction to simple example. Dp. Student are able to calculate fraction.	A fraction whose numerator is less than the denominator for eg. $\frac{1}{3}, \frac{4}{3}$ etc. 2 Improper fraction:- A fracti whose denomenator is less than the numerator for eg. $\frac{110}{19}, \frac{219}{30}$ etc. 3. Mixed fraction:- A fract which is a combinatio of both whole numb and proper fraction for eg. $2\frac{2}{7}$

* Recaptulatory Questions:- Student are able to recaptulate given knowledge, Pupil teach asks the questions with the help of roller board.

* Home work -

1. Determine Numerator and Denominator in the fraction $\frac{116}{135}$?

Q 2. What is improper fraction ?

Q. 3 Give one example of proper fraction ?

Q. 4. Subtract

$\frac{3}{5} - \frac{6}{9}$.

"Blackboard Summary"

Name of School Name :- High School, Rajpur	Maths
Sub :- Maths	Date :-
class - 9th	Period - III
Topic of study → Fraction.	Time :- 10:30

$$\text{Fraction} = \frac{\text{Numerator}}{\text{Denominator}}$$

where. $= \frac{2}{3}$ so 2 = Numerator

3 = Denomenator

Sheetal

Trainee Signature

4/7/2022

Teacher Signature

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