



# ब्रह्मा वॅली शिक्षणशास्त्र महाविद्यालय

अंजनेरी, नाशिक - ४२२ २१३



## Internship Lesson Plan (छात्रसेवाकाल पाठ टाचण) शै.वर्ष - २०२१ -२०२२

Student Teacher's Name : Ramraje Pradnya kailas		Roll No. : 39
छात्राधिकाचे नाव :		हजेरी क्र. :
School Name : Brahma Valley Vidyalyaya,		Lesson No. : 3
शाळेचे नाव : Anjaneri, Nashik		पाठ क्र. :
Subject : Mathematics	Unit : quadrilateral construction.	Sub-Unit : Rhombus
विषय :	घटक :	उपघटक :
Date : 1/12/2021	Time : 30 min	Std. : 8th
दिनांक :	वेळ. :	इयत्ता :

Required Previous Knowledge : Students know about the Rhombus.  
अपेक्षित पूर्वज्ञान :

Teaching Method : Black-Board writing method.  
अध्यापन पध्दती :

Values : Important to understand basic concept in math.  
मुल्ये :

Core Elements : Scientific attitude  
गाभाभमत घटक :

Life Skills : self-awakening.  
जीवन कौशल्ये :

Teaching Aids : Black-Board, Scale, charts etc.  
नियोजित शैक्षणिक साहित्य :

### Black Board Writing (फलक लेखन)

Date: 1/12/21 Sub: Math Std: 8th  
unit: Quadrilateral construction  
Subunit: Rhombus.

Date : 1/12/21  
दिनांक : / /

*RBN ayad*  
Signature of Guide Professor  
मार्गदर्शक प्राध्यापकांची स्वाक्षरी

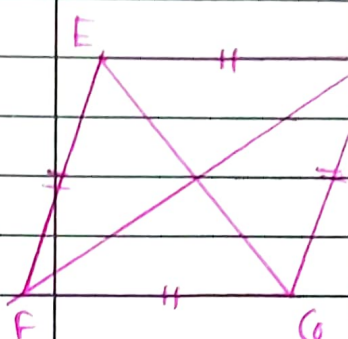
Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
I		
N		knowledge- <sup>o</sup>
T		Students draw the
R		rhombus .
O		
D		
U		
C		
T		
H		
O		
N		
E	Rhombus- <sup>o</sup>	
X	If all sides	understanding- <sup>o</sup>
P	of a quadrilate-	students &
l	ral are of equal	understanding the
a	length (congruent)	properties of the
i	it is called as	Rhombus .
n	rhombus .	
a		
t		
i		
o		
n		

Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
Good morning students		
	Good morning mam.	
In previous lecture we learned about the construction of the square.		
Now In these lecture we study the construction of the Rhombus, Now open your maths textbook page Number 45.	Students open the maths textbook.	
If all sides of a quadrilateral are of equal length (congruent), it is called as rhombus.	<del>students write down the statement in notebook.</del>	
Q. Draw a rhombus EFGH by taking convenient length of side and convenient measure of an angle. Draw its diagonals and name their point of intersection as M.	students write question in the notebook.	



Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
I		
L		
L		
U		
S		
T		
R		
A	properties :-	
T	① opposite angles	understanding &
I	are congruent.	students understand
O		the construction of the
N	② Diagonals bisect	Rhombus .
/	opposite angles of	
	a rhombus .	
P		
R	③ Diagonals bisect	
E	each other and	
S	they are perpendi-	
E	cular to each	
N	other.	
T		
A		
T		
I		
O		
N		



Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
① Measure the <del>ten</del> opposite angles of the quadrilateral and angles at the point M.	students understand the steps of the construction.	
② Measure the two parts of every angle made by the diagonal.		fig. Rhombus.
③ Measure the lengths of both diagonals. Measure the two parts of diagonals made by point M.		
from these measures you will get the following <del>properties</del> of a rhombus:	students write down the <del>properties</del> of the Rhombus.	
① opposite angles are congruent.		
② Diagonals bisect opposite angles of a rhombus.		
③ Diagonals bisect		

Steps of Lesson  
पाठाच्या पायऱ्या

Content  
आशय / पाठ्यमुद्दे

Objectives & Specification  
उद्दिष्टे व स्पष्टीकरणे

Recapitulation

Questioning  
Skill

Knowledge -  
Students solve the  
other examples based  
upon these concept.

Homework

closure.

Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
each other and they are perpendicular to each other.	students pay attention.	
Now here construction of the Rhombus is completed.		
so, Tell me		
① what's opposite angles.	students answered.	
② Tell me two properties of the rhombus.	students answered.	
Solve it.		
Find the length of a diagonal of a square of side 6 cm.	students solve these example by using pythagoras theorem.	
The practice set 8.2 is based upon these type of the		
<del>examples.</del> so you all student solve these excersize in your homework notebook.	students says yes mam.	
And next period I will check this homework.		
We will continue in next period.	student says thank you mam.	



# LESSON EVALUATION SCHEME (पाठ मुल्यमापन योजना)

Rating Scale : 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent  
 पदनिश्चयन श्रेणी - १) असमाधानकारक २) सरासरी ३) समाधानकारक ४) चांगला ५) उत्कृष्ट

No. अ.क्र.	Steps पायऱ्या	Criteria निकष	1	2	3	4	5
1	Lesson Note पाठ टाचण	Neat, Correct & Complete नीटनेटके, अचूक आणि परिपूर्ण				✓	
2	Introduction प्रस्तावना	Relevant & stimulating सुसंगत आणि उत्साहवर्धक					✓
3		Revival of previous knowledge & linking with the topic पूर्वज्ञान जागृती व पाठघटकाशी योग्य सांगड				✓	
4		Statement of Aim & Title writing हेतूकथन आणि शिर्षकलेखन				✓	
5	Presetation/ Explanation सादरीकरण/ विषय प्रतिपादन/ स्पष्टीकरण	Clarity & Fluency in Narration / Illustration कथन व स्पष्टीकरणातील अचूकता व ओघवतेपणा					✓
6		Questions-Clear, Concise & Grammatically correct प्रश्न-स्पष्ट, संक्षिप्त आणि व्याकरणदृष्ट्या अचूक				✓	
7		Logical & thought provoking questions तार्किक व विचारप्रवर्तक प्रश्न				✓	
8		Distribution of questions & Reinforcement प्रश्नांचे व प्रवलनाचे वितरण					✓
9		Black Board Work फलक लेखन कार्य				✓	
10		Clarity in Reading / Demonstration वाचन व दिग्दर्शनातील स्पष्टता				✓	
11		Classroom interaction वर्गातील आंतरक्रिया					✓
12		Use of Teaching Aids / Use of Exaples शैक्षणिक साधनांचा वापर/उदाहरणांचा वापर				✓	
13	Mastery over the content विषयावरील प्रभुत्व				✓		
14	Recapitulation सकलन	As per objectives उद्दीष्ट निहाय					✓
15		Students response विद्यार्थी प्रतिसाद				✓	
16	Application उपयोजन	Appropriate/Creative application योग्य / सृजनात्मक उपाययोजना				✓	
17	Home Work स्वध्याय	Appropriate / Activity based Home work योग्य / कृती आधारित सध्याय					✓
18		Inclusion of core elements, values & life skills गाभाभूत घटक, मूल्ये व जीवन कौशल्ये यांचा समावेश				✓	
19		Class control & Time Management वर्ग नियंत्रण व वेळेचे नियोजन					✓
20		Overall impression एकंदरित प्रभाव				✓	

(Qualitative Feedback) गुणात्मक शिरे *जे*

\*Teacher had fluency in approach. \*Teaching aids small  
 \*Classroom interaction was good. \*BB work *Applied*

Date : 1 / 12 / 20

Obtained Marks - 87/100

Observer's Sign.  
 पाठ निरीक्षकाची स्वाक्षरी

# ब्रम्हा व्हॅली शिक्षणशास्त्र महाविद्यालय

Internship Lesson Plan (छात्रसेवाकाल पाठ टाचण) शै. वर्ष २०२०-२१

Student Teacher's Name <u>Varsha Sanjay Sawale</u> छात्राध्यापकाचे नाव		Roll No. <u>18.</u> हजेरी क्र.
School Name <u>Kanya Vidyalaya Trimbakur</u> शाळेचे नाव <u>-war Nashik.</u>		Lesson No. <u>1</u> पाठ क्र.
Subject <u>English.</u> विषय	Unit <u>Poem</u> घटक	Sub-Unit <u>Where the</u> उपघटक <u>Kind is without Fear</u>
Date <u>01/04/21</u> दिनांक	Time <u>8:30am-9:10am</u> वेळ <u>40 mins.</u>	Std. <u>10<sup>th</sup>A</u> इयत्ता
Required Previous Knowledge <u>students have some previous</u> अपेक्षित पूर्वज्ञान <u>knowledge about the poem "Play Things".</u>		
Teaching Method <u>Traditional Method</u> अध्यापन पध्दती		
Values <u>Scientific Attitude</u> मूल्ये		
Core Elements <u>Co-ordination between Emotion, action</u> गाभाभमत घटक <u>and Intelligence</u>		
Life Skills <u>Problem solving, Critical thinking</u> जीवन कौशल्ये		
Teaching Aids <u>chart, model, Flash card etc.</u> नियोजित शैक्षणिक साहित्य		

## फलक लेखन (Black Board Writing)

Date: <u>01/04/21</u>	<u>Where the Mind is</u>	Standard- <u>X-A</u>
Unit: <u>Poetry</u>	<u>without Fear</u>	Subject- <u>English</u>
<p>Word-Meanings</p> <ul style="list-style-type: none"> <li>• dead habit :- old tradi-tional rituals and custom that are harmful.</li> <li>• ever-widening :- forever broadening one's outlook.</li> </ul>		<ul style="list-style-type: none"> <li>• tireless striving :- continuous efforts and struggle.</li> <li>• stretches in aim :- aims at achieving a goal.</li> </ul>

Date / /  
दिनांक 01/04/21

Regal  
Signature of Guide Professor  
मार्गदर्शक प्राध्यापकांची स्वाक्षरी



Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
INTRODUCTION	<p><u>Outline of the Poem</u></p>	<p>To revise previous knowledge.</p>
	<p>'Where the Mind is without Fear' was included in the volume called Naibedya. The poem is a prayer to God to protect the nation from evil effects.</p> <p>Poet has utmost faith in God. He prays to God with all his heart that he should guide the countrymen to work hard, speak the truth.</p>	
STATEMENT OF AIM		<p>To get ready to learn new topic.</p>
		<p><u>Knowledge</u> Students tells about the pronunciation of words.</p>
EXPLANATION		<p><u>Comprehension</u> Students know about the author.</p>



Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching aids शैक्षणिक साहित्य
Teacher asks questions based on previous knowledge :-	students give answers :-	
Q- who has composed National Anthem of India?	→ Rabindranath Tagore.	
Q- who is Rabindranath Tagore?	→ He was a poet, writer, playwright, composer, social-reformer and painter.	
Q- why Rabindranath Tagore is so famous?	→ In 1913, he was the first non-European writer to be awarded the Nobel Prize for Literature.	
So, today we will learn a Poem written by Rabindranath Tagore.	students listen carefully.	
Teacher recites the Poem with correct pronunciation & tone	students listen carefully.	
Teacher asks the students to recite the poem after her.	students recite the poem.	

Steps of Lesson पाठाच्या पायऱ्या	Content आशाच / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
1	<u>Summary</u>	<u>Knowledge</u>
2	In this poem, the poet is praying to God to grant his country such freedom of thoughts and expressions.	Students tell about the meaning of the poem.
3	He prays that his country should be free from the fear of oppression. There should be an atmosphere of fearlessness. He prays that Indians should be logical.	<u>Comprehension</u> Students know about the summary of the poem.
4		<u>Application</u> Students apply the message from the poem in their day to day life.
5		<u>Skills</u> Students develop the skill from the poem.
6		

CLASS OF TEACHERS

BLACKBOARD WRITING

EVALUATION

Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching aids शैक्षणिक साहित्य
<p>Teacher explains the outline of the poem</p> <p>→ 'where the mind is without Fear' was included in the volume called Naibedhya. The poem is a prayer to God to protect the nation from evil effects.</p>	<p>students listen carefully and try to understand it.</p>	<p>?</p>
<p>Teacher explains each and every stanza of the poem.</p>	<p>students listen carefully.</p>	
<p>Teacher shows P.P.T and explains the poem.</p>	<p>students observe the P.P.T</p>	
<p>Teacher writes the meaning of the words on B.B.</p>	<p>students note down the meaning in their notebook.</p>	
<p>Teacher shows the P.P.T for questions and answer of the poem. Teacher explains the questions and answer to the students.</p>	<p>students observe the P.P.T and try to understand it.</p>	



Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
	<u>About the Author</u>	To revise acquired knowledge
IMPLEMENTATION	<p>Rabindranath Tagore (7 May, 1861 - 7 Aug, 1941) was born in Kolkata. He was a polymath who wrote on various subjects and reshaped Bengali literature.</p> <p>His compositions were chosen by two nations as national anthems: India's Jana Gana Mana and Bangladesh's Amar Shonar Bangal. He is the author of Gitanjali.</p>	To use acquired knowledge in daily life.
APPLICATION		To evaluate acquired knowledge
FINAL STATEMENT		To inspire students to do self study.
HOME-WORK		

Teacher's Activity  
शिक्षक कृती

Student's Activity  
विद्यार्थी कृती

Teaching aids  
शैक्षणिक साहित्य

Teacher asks questions related to the Poem :-

Students give answers :-

Q-who is the writer of the Poem?

→ Rabindranath Tagore.

Q-What do the expressions 'mind is without fear' and 'head is held high' mean?

→ The poet says that no countrymen of his should live in fear in fear on his mind at all times and should have confidence in themselves.

Teacher gives the Final Statement.

Students listen carefully.

→ It is a prayer to the Almighty for a nation free from any kind of manipulative powers.

It is a reflection of the poet's good and ideal nature.

Teacher gives homework?

Students note down the H-W in their notebook.

→ Write the summary of the poem.

## EVALUATION SCHEME (पाठ मूल्यमापन योजना)

Rating Scale 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent  
 पदनिश्चयन श्रेणी - १) असमाधानकारक २) सरासरी ३) समाधानकारक ४) चांगला ५) उत्कृष्ट

No. अ. क्र.	Criteria निकष	1	2	3	4	5
1	Neat, correct & complete lesson note नीटनेटके, अचूक आणि परिपूर्ण पथ टाचण				✓	
2	Previous knowledge & aims of the lesson पूर्वज्ञान आणि पाठाचे उद्देश				✓	
3	Objectives & specification उद्दिष्टे आणि स्पष्टीकरणे					✓
4	Consideration of student with diverse needs भिन्न गरजा असणाऱ्या विद्यार्थ्यांचे परिश्लन				✓	
5	Introduction - attractive, based on previous knowledge प्रस्तावना - आकर्षक व पूर्वज्ञानावर आधारित					
6	Presentation - suitable learning experiences & proper teaching aids सादरीकरण - सुयोग्य अध्ययन अनुभव आणि शैक्षणिक साधनांचा योग्य वापर				✓	
7	Space for student with special needs भिन्न गरजा असणारा विद्यार्थ्यांसाठी संधी				✓	
8	Define role of student & their participation विद्यार्थ्यांची भूमिका व सहभाग यांची निश्चिती				✓	
9	Expected responses of students विद्यार्थ्यांचे अपेक्षित प्रतिसाद				✓	
10	Evaluation strategy मूल्यमापन योजना				✓	

(Qualitative feedback) गुणात्मक श्रेरे

★ Lesson note is neat, correct and complete.

★ Explanation is good.

Date 01/04/21 Obtained Marks -

(41)  
/50

Observer's sign.  
पाठ निरीक्षकाची स्वाक्षरी



# ब्रम्हा व्हॅली शिक्षणशास्त्र महाविद्यालय

Internship Lesson Plan (छात्रसेवा काल पाठ टाचण) शे. वर्ष २०१९-२०

Student Teacher's Name छात्राध्यापकाचे नाव		Roll No. हजेरी क्र.	
School Name शाळेचे नाव		Lesson No. पाठ क्र.	
Subject विषय	Unit घटक	Sub-Unit उपघटक	
Date दिनांक	Time वेळ	Std. इयत्ता	
Required Previous Knowledge अपेक्षित पूर्वज्ञान			
Teaching Method अध्यापन पद्धती			
Values मूल्ये			
Core Elements गाभाभूत घटक			
Life Skills जीवन कौशल्ये			
Teaching Aids नियोजित शैक्षणिक साहित्य			

## फलक लेखन (Black Board Writing)

Date	Sub - Maths	std - 8th
	Unit - Variation	Div - B
	Sub unit - Direct Variation	

Date 08/10/20

दिनांक / /

Signature of Guide Professor

मार्गदर्शक प्राध्यापकांची स्वाक्षरी



Teacher's activity शिक्षक कृती	Student's activity विद्यार्थी कृती	Teaching aids शैक्षणिक साहित्य
Good morning to all students Let's concentrate in our Maths class	Good morning	

Student are you going to the shop for shopping. ~~No~~ tell me the rate of note books is Rs. 2 per dozen, what is the cost of 3 note books?

Q. Find the cost of 9 books & 24 notebook complete the following table

Number of Note books (x)	12	9	24
Cost (In Rupees) (y)	240	<input type="checkbox"/>	<input type="checkbox"/>

$$\Rightarrow 240 \div 12 = 20 \text{ Rs.}$$

cost of 3 note books

$$= 20 \times 3 = \text{Rs. } 60$$

Very Good.

Teacher shows the table on chart. We see ratio of number of books & their cost are in same proportion

Student Observ chart

so today we have studied about

Black board



Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यपुस्तक	Objectives & Specifications उद्दिष्टे व स्पष्टीकरणे
E x p l a n a t i o n	Direct Variation The statement $x$ and $Y$ are in same proportio -n can be writt -en as ' $x$ ' and ' $Y$ ' in direct Variation or between $x$ & $Y$ denoted by $x$ & $Y$	<p>Knowledge :-</p> <p>Students know about ratio and proportion</p> <p>Understanding-</p> <p>student understand the equation of Variation</p>
		<p>Application -</p> <p>can students can apply knowledge in daily life</p>

Teacher's activity शिक्षक कृती	Student's activity विद्यार्थी कृती	Teaching aids शैक्षणिक साहित्य
variation. Teacher write onboard	student write in not book.	Black board
Using mathematical symbol $\alpha$ (alpha) direct variation between $x$ & $y$ written as $x \propto y$ [ $\alpha$ (alpha) is a greek letter, used to denote variation]	<del>students listen carefully</del>	
It is also written in the form of $x = ky$ $k$ is a constant of variation	students write the equation in notebook	
$x = ky$ or $x = k y$		
is the equation form of direct variation where $k$ is the constant	Student write in notebook	
Teacher write the equation on board		Black Board

Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्ये	Objectives & Specifications उद्दिष्टे व स्पष्टीकरणे
conclusion		skill - student solve the problem skillfully
Reception		
Application	knowledge applied in daily life	
	Evaluation of student knowledge	
Assignment		



Teacher's activity शिक्षक कृती	Student's activity विद्यार्थी कृती	Teaching aids शैक्षणिक साहित्य
So today we have studied about the Direct Variation.	student Listen carefully.	
Teacher asks the question		
① How to write $x$ & $Y$ in same proportion by different way?	Student answered the question.	
② $x$ & $Y$ how to write in the form of equation		
Teacher ask the question on Rolling board		<div data-bbox="774 1165 1228 1701" style="border: 2px solid black; padding: 10px; margin: 10px auto; width: fit-content;"> <p style="text-align: center;">Maths</p> <p>Q what is the equation of the variation &amp; constant of Variation ?</p> </div>
Solve practice set page no. 7.1	Student writes Homework in notebook.	

# LESSON EVALUATION SCHEME

(पाठ मूल्यमापन योजना)

Rating Scale 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent  
पदनिश्चयन श्रेणी - १) असामाधानकारक २) सरासरी ३) समाधानकारक ४) चांगला ५) उत्कृष्ट

Sr.No. अ.क्र.	Criteria निकष	1	2	3	4	5
1	Neat, correct & complete lesson note नीटनेटके, अचूक आणि परिपूर्ण पथ टाचण				✓	
2	Previous knowledge & aims of the lesson पूर्वज्ञान आणि पाठाचे उद्देश				✓	
3	Objectives & specification उद्दिष्टे आणि स्पष्टीकरणे				✓	
4	Consideration of student with diverse needs भिन्न गरजा असणाऱ्या विद्यार्थ्यांचे परिशीलन			✓		
5	Introduction - attractive, based on previous knowledge प्रस्तावना - आकर्षक व पूर्वज्ञानावर आधारित				✓	
6	Presentation - Suitable learning experiences & proper teaching aids सादरीकरण - सुयोग्य अध्ययन अनुभव आणि शैक्षणिक साधनांचा योग्य वापर				✓	
7	Space for student with special needs भिन्न गरजा असणाऱ्या विद्यार्थ्यांसाठी संधी				✓	
8	Define role of student & their participation विद्यार्थ्यांची भूमिका व सहभाग यांची निश्चिती				✓	
9	Expected responses of students विद्यार्थ्यांचे अपेक्षित प्रतिसाद				✓	
10	Evaluation strategy मूल्यमापन योजना			✓		

(Qualitative feedback) गुणात्मक श्रेरे

38  
50

Date 08/01/20 Obtained Marks- 7/100

Observer's Sign.  
पाठ निरीक्षकाची स्वाक्षरी

# ब्रम्हा व्हॅली शिक्षणशास्त्र महाविद्यालय


Internship Lesson Plan (छात्रसेवाकाल पाठ रचण) 2021-22

Student Teacher's Name <u>Sunita Uttam Medhane</u> छात्राध्यापकाचे नाव		Roll No. <u>96</u> हजेरी क्र.
School Name <u>Vidyaprashala vidyalaya Talegaon</u> शाळेचे नाव <u>Nashik</u>		Lesson No. <u>1</u> पाठ क्र.
Subject <u>science</u> विषय	Unit <u>pollution</u> घटक	Sub-Unit <u>Air pollution</u> उपघटक
Date <u>20/10/21</u> दिनांक	Time ..... वेळ	Std. <u>8th</u> इयत्ता
Required Previous Knowledge <u>students known about pollution</u> अपेक्षित पूर्वज्ञान		
Teaching Method <u>Traditional method</u> अध्यापन पध्दती		
Values <u>scientific attitude</u> मूल्ये		
Core Elements ..... गाभाभूत घटक		
Life Skills <u>problem solving, critical thinking</u> जीवन कौशल्ये		
Teaching Aids <u>Rollar, Board</u> नियोजित शैक्षणिक साहित्य		

## फलक लेखन (Black Board Writing)

Date: <u>20/10/21</u>	subject - <u>science</u>	std: -
	unit - <u>pollution</u>	
	sub unit - <u>Air pollution</u>	

Date 20/10/21  
दिनांक / /

  
Signature of Guide Professor  
मार्गदर्शक प्राध्यापकांची स्वाक्षरी



Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
Introduction		To revise the previous knowledge of pollution.
Explanation		To get ready to learn new topic.
	<p>Air pollution:- contamination of air by harmful substance like poisonous gases are released through fuel is called air pollution.</p>	

Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
<p>Good morning, students. Today we study new chapter that is "pollution"</p> <p>first of all, I asked some questions to all of you.</p>		
<p>① can you heard the word pollution.</p> <p>→</p>	<p>→ Yes</p>	
<p>② Then what is pollution?</p> <p>→</p>	<p>→ contamination of natural environment that will harmful to eco-</p>	
<p>Today we will learn Air pollution.</p>	<p>system is called pollution</p>	<p>use of black board</p>
<p>Teacher write heading "Air pollution" on board.</p>	<p>students looked at the black board.</p>	
<p>Teacher explained the air pollution. Teacher explained reason of air pollution.</p>	<p>students looked concentrately.</p>	

Steps of Lesson पाठाच्या पायऱ्या	Content आशय / पाठ्यमुद्दे	Objectives & Specification उद्दिष्टे व स्पष्टीकरणे
	Reason of air pollution	
	① Natural Reason	Student told about lesson.
<i>explanation</i>	→ The gases emits from volcanic eruption, earthquake, cyclones, microbes in air caused air pollution.	
	② Manmade Reason	
	→ The gases emits from burning of fuel, industrialization, atomic energy caused air pollution.	



Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
Teacher write title on board that is Reason of Air pollution	Students looked carefully	use of black board.
Teacher explained reason of air pollution	students listen carefully	
Teacher write two types of reason of air pollution 1) Natural Reason 2) Manmade Reason	students looked carefully	
Teacher explained this two type of Reason		
Also teacher explained source and effects of air pollutants	students listen carefully	
Teacher write heading on board that is effect of air pollution on plants and animals.		



<b>Teacher's Activity</b> <b>शिक्षक कृती</b>	<b>Student's Activity</b> <b>विद्यार्थी कृती</b>	<b>Teaching Aids</b> <b>शैक्षणिक साहित्य</b>
Now teacher ask question	students answer the question.	
① Are you heard about acid Rain? →	→ Yes	
② What is meant by acid Rain? →	→ Acid mix with rain drop and snow and come down as rain	
③ Have you heard about prevention of air pollution →	→ Yes	
④ What we should do to prevent air pollution →	→ ① pollution controlling machinery should be used ② control on cfc production etc.	
Teacher explained Acid Rain concept. Teacher asked students about their query.		
In this way, we saw air pollution. In next period, we will see water pollution.		



# LESSON EVALUATION SCHEME (पाठ मुल्यमापन योजना)

Rating Scale : 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent  
 पदनिश्चयन श्रेणी - १) असमाधानकारक २) सरासरी ३) समाधानकारक ४) चांगला ५) उत्कृष्ट

No. अ.क्र.	Steps पायऱ्या	Criteria निकष	1	2	3	4	5
1	Lesson Note पाठ टाळण	Neat, Correct & Complete नीटनेटके, अचूक आणि परिपूर्ण				✓	
2	Introduction प्रस्तावना	Relevant & stimulating सुसंगत आणि उत्साहवर्धक				✓	
3		Revival of previous knowledge & linking with the topic पूर्वज्ञान जागृती व पाठघटकाशी योग्य सांगड			✓		
4		Statement of Aim & Title writing हेतूकथन आणि शिर्षकलेखन				✓	
5		Clarity & Fluency in Narration / Illustration कथन व स्पष्टीकरणातील अचूकता व ओघवतेपणा				✓	
6	Presetation / Explanation सादरीकरण / विषय प्रतिपादन / स्पष्टीकरण	Questions-Clear, Concise & Grammatically correct प्रश्न-स्पष्ट, संक्षिप्त आणि व्याकरणदृष्ट्या अचूक			✓		
7		Logical & thought provoking questions तार्किक व विचारप्रवर्तक प्रश्न				✓	
8		Distribution of questions & Reinforcement प्रश्नांचे व प्रवलनाचे वितरण				✓	
9		Black Board Work फलक लेखन कार्य					✓
10		Clarity in Reading / Demonstration वाचन व दिग्दर्शनातील स्पष्टता				✓	
11		Classroom interaction वर्गातील आंतरक्रिया			✓		
12		Use of Teaching Aids / Use of Exaples शैक्षणिक साधनांचा वापर / उदाहरणांचा वापर				✓	
13		Mastery over the content विषयावरील प्रभुत्व			✓		
14	Recapitulation संकलन	As per objectives उद्दीष्ट निहाय				✓	
15		Students response विद्यार्थी प्रतिसाद				✓	
16	Application उपयोजन	Appropriate / Creative application योग्य / सृजनात्मक उपाययोजना			✓		
17	Home Work स्वध्याय	Appropriate / Activity based Home work योग्य / कृती आधारित सध्याय				✓	
18		Inclusion of core elements, values & life skills गाभाभूत घटक, मूल्ये व जीवन कौशल्ये यांचा समावेश				✓	
19		Class control & Time Management वर्ग नियंत्रण व वेळेचे नियोजन			✓		
20		Overall impression एकंदरित प्रभाव				✓	

(Qualitative Feedback) गुणात्मक शेरे

Introduction is relevant & stimulating

Date : 20/10/21

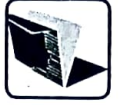
Obtained Marks - 75 / 100

Observer's Sign.  
पाठ निरीक्षकाची स्वाक्षरी



# ब्रह्मा व्हॅली शिक्षणशास्त्र महाविद्यालय

अंजनेरी, नाशिक - ४२२ २१३



## Internship Lesson Plan (छात्रसेवाकाल पाठ टाचण) शै.वर्ष - २०२१ - २०२२

Student Teacher's Name : Ashwini Bhanudas Gatae Roll No.: 41  
 छात्राध्यपकाचे नाव : ..... हजेरी क्र.: .....  
 School Name : Brahma Valley Public School, Lesson No.: 4  
 शाळेचे नाव : Anjaneri, Nashik. पाठ क्र.: .....

Subject : Mathematics Unit : Co-ordinate Sub-Unit : distance between any  
 विषय : ..... घटक : Geometry उपघटक : two points on axis  
 Date : 25/11/21 Time : 10:20-10:50 Std. : 10th (A)  
 दिनांक : ..... वेळ : 30 min. इयत्ता : .....

Required Previous Knowledge : student know about how to find  
 अपेक्षित पूर्वज्ञान : distance between any two points on number line

Teaching Method : Traditional Method  
 अध्यापन पध्दती : .....

Values : Scientific attitude  
 मुल्ये : .....

Core Elements Incultation of Scientific Temper.  
 गाभाभमत घटक : .....

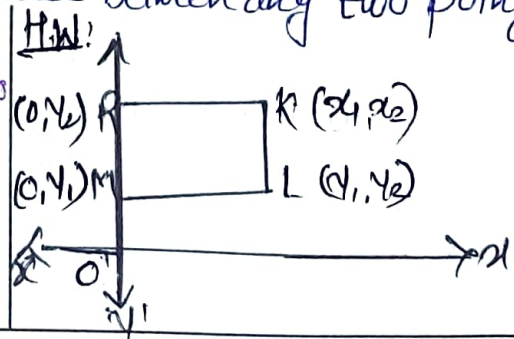
Life Skills : Problem Solving  
 जीवन कौशल्ये : .....

Teachin Aids : Roller Board  
 निोजित शैक्षणिक साहित्य : .....

### Black Board Writing (फलक लेखन)

Sub - Math  
 Unit - co-ordinate Geometry  
 Sub-unit - Distance between any two points on axis.

\* Distance between any two Point on an axis.



Date : 25/11/21  
 दिनांक : 1/1

R. B. Rajat  
 Signature of Guide Profressor  
 मार्गदर्शक प्राध्यापकांची स्वाक्षरी



Steps of Lesson  
पाठाच्या पायऱ्या

Content  
आशय / पाठ्यमुद्दे

Objectives & Specification  
उद्दिष्टे व स्पष्टीकरणे

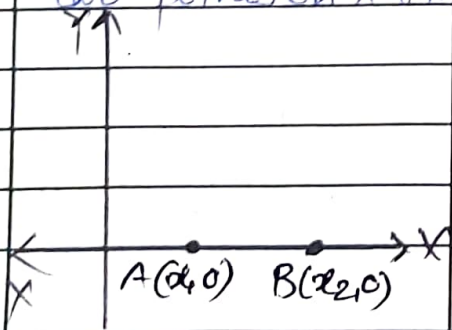
Set  
Induction

Statement  
of Aim

Explanation Co-ordinate Geometry

To Find Distance  
between any two  
points on axes.

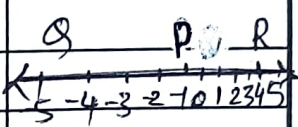
① To Find distance between  
two points on X-axis



Understanding.

Student Understanding  
the topic teaches  
by the teacher



Teacher's Activity शिक्षक कृती	Student's Activity विद्यार्थी कृती	Teaching Aids शैक्षणिक साहित्य
<p>Good morning student, You all already studied about how to find distance between any two points on number line.</p>		
<p>So, From this fig If Co-ordinates of point P, Q &amp; R are -1, -5 &amp; 4 resp, then what is the length of seg. PQ, seg QR.</p>	<p>Seg PQ = <math>-1 - (-5) = -1 + 5 = 4</math> Seg QR = <math>4 - (-5) = 4 + 5 = 9</math></p>	
<p>- Very good, So, using same concept we can find the distance between two points on same axis in XY Plane.</p>		
<p>So, today we are going to study Topic <del>Co-ordinate</del> Geometry.</p>		
<p>Teacher, write the topic name on B.B.</p>		<p>Blackboard Writing.</p>
<p>Teacher explain the How to find distance between any two points on the axis &amp; explaining example on B.B.</p>	<p>Student listen carefully.</p>	
	<p>Student observing, listening and solve example on their notebook.</p>	

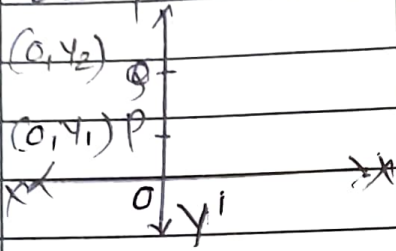
Steps of Lesson  
पाठाच्या पायऱ्या

Content  
आशय / पाठ्यमुद्दे

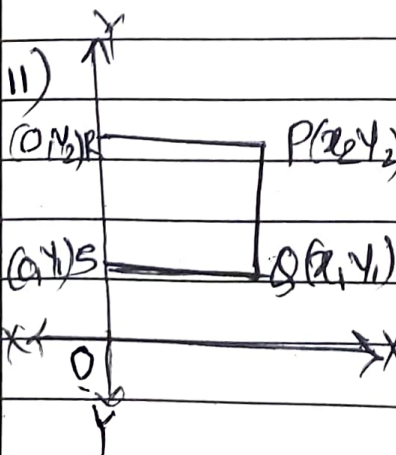
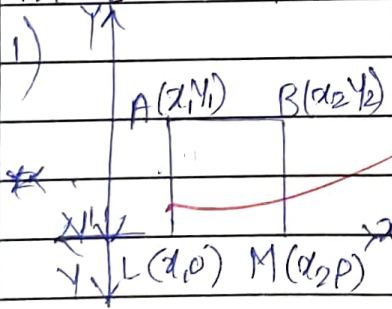
Objectives & Specification  
उद्दिष्टे व स्पष्टीकरणे

I  
L  
L  
U  
S  
T  
R  
A  
T  
I  
O  
N

To find dist. bet<sup>n</sup>  
two points on X-axis



To Find the dist. bet<sup>n</sup>  
two points if the seg.  
joining these points is  
parallel to any axis  
in the X-Y Plane



Understanding  
Student Understand  
the topic.

Teacher's Activity  
शिक्षक कृती

Student's Activity  
विद्यार्थी कृती

Teaching Aids  
शैक्षणिक साहित्य

In above fig. Points  
 $A(x_1, 0)$  &  $B(x_2, 0)$  are on  
x-axis is such that  $x_2 > x_1$   
 $\therefore d(A, B) = x_2 - x_1$

Student listen  
carefully

Student solve example  
on their notebook.

Teacher gives another  
example to student  
from Roller Board.

In the above fig. Points  
 $P(0, y_1)$  &  $Q(0, y_2)$  are  
on Y-axis such that  $y_2 > y_1$ ,  
 $\therefore d(P, Q) = y_2 - y_1$

Roller  
Board

Teacher explaining  
another example  
step by step on  
blackboard

- In fig. seg AB is  
parallel to x-axis  
 $\therefore$  Y-co-ordinates of  
Point A & B are equal

Draw seg AL & seg BM  
perpendicular to x-axis  
 $\therefore$   $\square$  ABML is a rectangle  
 $AB = LM$

But  $LM = x_2 - x_1$   
 $\therefore d(A, B) = x_2 - x_1$

Teacher give another  
example to student

In the fig, seg PQ  
is parallel to Y-axis  
 $\therefore$  x co-ordinate of  
points P & Q are equal  
Draw seg PR & seg QS  
perpendicular to Y-axis.



Steps of Lesson  
पाठाच्या पायऱ्या

Content  
आशय / पाठ्यमुद्दे

Objectives & Specification  
उद्दिष्टे व स्पष्टीकरणे

Conclusion

Recapitulation

Application

~~Knowledge:~~

~~Knowledge is  
applied daily life~~

Assignments

Making effort for  
Study for self  
Study.

Teacher's Activity  
शिक्षक कृती

Student's Activity  
विद्यार्थी कृती

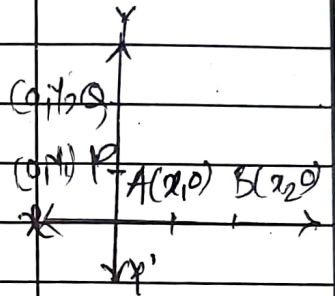
Teaching Aids  
शैक्षणिक साहित्य

$\therefore \square PQSR$  is rectangle  
 $\therefore PQ = RS$   
 But  $PS = y_2 - y_1$   
 $\therefore d(P, Q) = y_2 - y_1$

So, Today we have studied  
 How to find distance  
 between two points if the seg  
 joining these points is  
 parallel to any axis in  
 the  $x'y'$  plane. What is  
 distance between,

$d(A, B) = ?$  &  
 $d(P, Q) = ?$

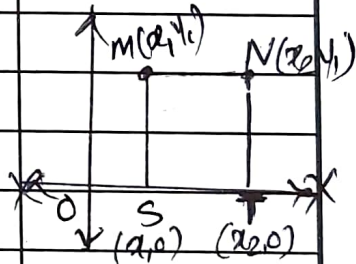
$= x_2 - x_1$   
 $= y_2 - y_1$



what is distance between  
 two points if seg.

Joining these points  
 is parallel to  
 $x$ -axis,  $d(M, N) = ?$

$d(M, N) = x_2 - x_1$

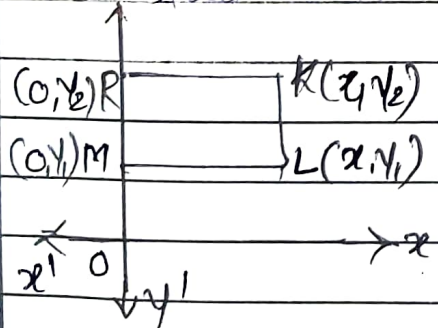


Teacher give Homework  
 on Blackboard

student write  
 Homework in  
 their Notebooks

H.W

Blackboard  
 Writing



What is distance between  
 two points if seg.  
 Joining these points is  
 parallel to  $x$ -axis

# LESSON EVALUATION SCHEME (पाठ मुल्यमापन योजना)

Rating Scale : 1) Unsatisfactory 2) Average 3) Satisfactory 4) Good 5) Excellent  
पदनिश्चयन श्रेणी - १) असमाधानकारक २) सरासरी ३) समाधानकारक ४) चांगला ५) उत्कृष्ट

No. अ.क्र.	Steps पायऱ्या	Criteria निकष	1	2	3	4	5	
1	Lesson Note पाठ टाचण	Neat, Correct & Complete नीटनेटके, अचूक आणि परिपूर्ण				✓		
2	Introduction प्रस्तावना	Relevant & stimulating सुसंगत आणि उत्साहवर्धक				✓		
3		Revival of previous knowledge & linking with the topic पूर्वज्ञान जागृती व पाठ्यघटकाशी योग्य सांगड				✓		
4		Statement of Aim & Title writing हेतूकथन आणि शिर्षकलेखन					✓	
5		Clarity & Fluency in Narration / Illustration कथन व स्पष्टीकरणातील अचूकता व ओघवतेपणा				✓		
6	Presetation / Explanation सादरीकरण / विषय प्रतिपादन / स्पष्टीकरण	Questions - Clear, Concise & Grammatically correct प्रश्न - स्पष्ट, संक्षिप्त आणि व्याकरणदृष्ट्या अचूक				✓		
7		Logical & thought provoking questions ताकिक व विचारप्रवर्तक प्रश्न				✓		
8		Distribution of questions & Reinforcement प्रश्नांचे व प्रवलनाचे वितरण				✓		
9		Black Board Work फक्तक लेखन कार्य					✓	
10		Clarity in Reading / Demonstration वाचन व दिग्दर्शनातील स्पष्टता				✓		
11		Classroom interaction वर्गातील आंतरक्रिया				✓		
12		Use of Teaching Aids / Use of Exaples शैक्षणिक साधनांचा वापर / उदाहरणांचा वापर				✓		
13		Mastery over the content विषयावरील प्रभुत्व				✓		
14		Recapitulation संकलन	As per objectives उद्दीष्ट निहाय					✓
15			Students response विद्यार्थी प्रतिसाद				✓	
16	Application उपयोजन	Appropriate / Creative application योग्य / सृजनात्मक उपाययोजना				✓		
17	Home Work स्वध्याय	Appropriate / Activity based Home work योग्य / कृती आधारित सध्याय				✓		
18		Inclusion of core elements, values & life skills गाभाभूत घटक, मूल्ये व जीवन कौशल्ये यांचा समावेश					✓	
19		Class control & Time Management वर्ग नियंत्रण व वेळेचे नियोजन				✓		
20		Overall impression एकंदरित प्रभाव				✓		

(Qualitative Feedback) गुणात्मक शिरे

\* B.B was ~~very~~ tidy and neat \* Questions were not done  
\* Recap was as per objectives \* Revival of knowledge ~~not done~~

Date : 25/11/21

Observer's Sign.  
पाठ निरीक्षकाची स्वाक्षरी

Obtained Marks - 84/100