

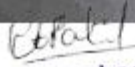
सद्गुरु एज्युकेशन सोसायटीचे
शिक्षणशास्त्र महाविद्यालय, जळगांव

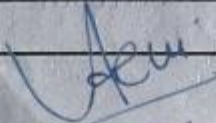
छात्राच्यापकाचे नांव Minakshi Kumar Zape क्रमांक 50(B)
 शाळेचे नाव B.I.N. Raisani English Medium school, Jalgaon इयत्ता 5th तुकडी एकूण पाठ क्रमांक 14
 विषय Mathematics पाठ क्रमांक 1 पटक Perimeter & Area उपघटक Area
 अपेक्षित पूर्वज्ञान Students know about the area.
 पाठाचा हेतू To explain area with the help of formula of area.
 वार Wednesday दिनांक 16/12/21 वेळ 12:30 AM तासिका 4

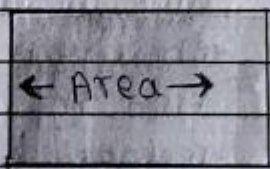
क्रमांक	पाठ्यमुद्दे	उद्दिष्टे व स्पष्टीकरणे	अध्ययनानुभव
	Area of Rectangle and Area of square.	Knowledge : 1) Students know about area. 2) Students Recall area.	The students remembers the information of area.
		Understanding : 1) Students explained the definition of area properly.	Students understood properly.
		Application : 1) Students write the formula for area of rectangle & square correctly. 2) Students solve the examples of area.	use of actual knowledge
		Skill : 1) Using formula of area, students solve examples correctly.	Brainstorming.

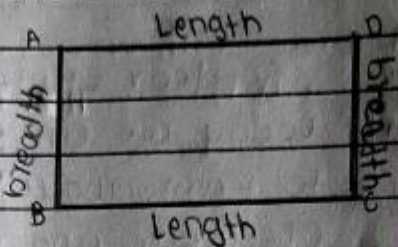
शैक्षणिक साहित्य	संदर्भ ग्रंथ	मूल्यमापन पद्धती
Chalk, duster etc.	Textbook of std 5 th	Question & answer.

पाठ्यक्रम	पाठ्यपुस्तक	शिक्षक कृती	विद्यार्थी कृती
	Previous Knowledge.	Good morning dear students. From childhood we see different shapes such as Rectangle, Triangle, Square, Circle, semicircle etc.	students listen carefully.
		There are such a many different shape around us and we see daily this shapes. correct.	
		In Geometry shape is defined as the figure closed by the boundary.	students listen.
		Q- Now tell me some names of geometrical figures.	Triangle, square, rectangle etc.
		Q- What is the definition of square.	The shape that has four straight sides of the same length.
		In the previous lecture you have learn about perimeter of rectangle and perimeter of square. Right.	Students listen carefully.

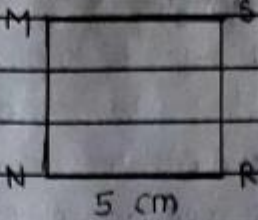

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पठांग	पाठ्यपुदे	शिक्षक कृती	विद्यार्थी कृती
		So if I want to calculate the area of a geometrical figure, how can I draw it?	No response.
	First statement.	So dear students today we are going to learn about "Area of square and area of rectangle".	Students listen carefully.
		We are studying the area of geometrical figure with the help of formula. Now first we see the definition of area.	
	Definition of Area :-	<p style="text-align: center;">perimeter</p>  <p style="text-align: center;">perimeter</p>	
		"The space occupied by a flat shape or the surface of an object is called as area"	Students write the definition of area.
		Area measure the space inside a shape.	
		Now first we see Area of rectangle.	

पाठांग	पाठ्यमुद्दे	शिक्षक कृती	विद्यार्थी कृती
	Area of a rectangle.	[The teacher writes the formula for the area of a rectangle on black board] 	
	Formula:-	Area of a rectangle = Length \times breadth	Students write
		To calculate the area of a rectangle we should multiply the length by the breadth.	Students observe carefully
		So let us now give an example to show you how to find the area of a rectangle.	
	Example :		
	Ques:-	In the rectangle ABCD, length is 20 cm and width is 15 cm. what is the area of a rectangle ?	Students write example,
	Ans:-	length of rectangle = 20 cm breadth of rectangle = 15 cm	

पाठ्यक्रम	पाठ्यपुस्तक	शिक्षक कृती	विद्यार्थी कृती
		Area of a rectangle = Length \times breadth = 20 \times 15 = 300 sq. cm	students understand example & write.
		Therefore the area of rectangle is 300 sq. cm.	
		So dear students in this way we can calculate the area of rectangle.	
			[Students solve question]
	practice \Rightarrow	what is the area of a rectangle of length 3 cm & breadth 5 cm	Area of rectangle = L \times B = 3 \times 5 = 15 sq. cm
		correct answer	
		Now we teach second point i.e.	
	Area of square.	In the same way we can find area of square with the help of formula for the area of square [The teacher write formula on B-8]	
		Area of a square = Length of a side \times Length of a side	students write formula.
		\therefore we can also write	In notebook
		Area of a square = (side) ²	

पाठांग	पाठ्यमुद्दे	शिक्षक कृती	विद्यार्थी कृती
		Now we solve example	
	Example:- Que-		
		In this square MNRS length of a side is 5 cm. Find area of a square.	Students write example
	<u>Answer</u>	$\begin{aligned} \text{Area of a square} &= \text{side} \times \text{side} \\ &= 5 \times 5 \\ &= 25 \text{ sq. cm} \end{aligned}$ <p>Therefore area of a square is 25 sq. cm</p>	Students observe carefully.
	Last statement	so Dear students in this way today we have learnt area of a rectangle and area of a square. with the help of formulas.	
	Practice:- Que-	What will be the area of a square with side 15 cm?	Students come & solve ex. on B.A
		Correct answer	Answer:- area of a square = $\text{side} \times \text{side}$ $= 15 \times 15$ $= 225 \text{ sq. cm}$

पाठांग	पाठ्यमुदे	शिक्षक कृती	विद्यार्थी कृती
	Q-	what is the formula of area of rectangles?	Area of a rectangle = length \times breadth
	Q-	what is the definition of area?	\Rightarrow The space occupied by a flat shape or object.
	Product :-	The teacher call a student to the front one by one and ask him to write a formula for the rectangle of area and area of a square on the black board.	students write formulas on the board.
	Que-	length of the side of square is 6 cm find its area.	Students come & solve example on the black board Area of a square = side \times side = 6×6 = 36 sq. cm
	Homework.		
	Q-1)	what is the area of rectangle of length is 10 cm & width 8 cm?	
	Q-2)	The length of side of each square is given. Find its area. i) 12 meters ii) 9 meters	

फलक लेखन

इयत्ता 5th विषय Mathematics दिनांक 11/21
 घटक Perimeter & Area उपघटक Area of Triangle
Area of Square

दिनांक _____ मार्गदर्शकाची सही Aem

क्र	क	ड	अ
१)	उद्दिष्टे स्पष्टता व समर्पकता		
२)	पाठ्य वस्तुंची सुसंगत मांडणी		
३)	शैक्षणिक साधनांची वापर व समर्पकता		
४)	पाठांचा आरंभ मध्य व शेवट		
५)	विद्यार्थ्यांच्या पाठातील सहभाग		
६)	शिक्षक व विद्यार्थी यांच्यातील सुसंवाद		
७)	अध्ययन अनुभवांची समर्पकता		
८)	विषयावरील प्रभुत्व		
९)	मूल्यमापन तंत्राची विविधता व समर्पकता		
१०)	पाठांच्या उद्दिष्टाची सफलता		

निरीक्षकाचा अभिप्राय
Subject knowledge fine
learning experience fine
Lesson was good.

दिनांक :- _____ मार्गदर्शकाची सही Aem

सद्गुरु एज्युकेशन सोसायटीचे
शिक्षणशास्त्र महाविद्यालय, जळगांव

वर्ग पाठ पत्रक

छात्राध्यापकाचे नांव Minakshi Kulkarni Zope क्रमांक 50(B)

शाळेचे नाव B.U.N. Baisani English Medrum school, Jalgaon इयत्ता 5th तुकडी एकूण पाठ क्रमांक 14

विषय Science पाठ क्रमांक 2 पटक Transport उपपटक Advantages and Disadvantages of Transport

अपेक्षित पूर्वज्ञान Students know about Transport.


पाठ्या हेतू To explain students about transport and advantages & disadvantages of transport

वार Thursday दिनांक 16/12/2021 वेळ 12:00 PM तासिका 4

क्रमांक	पाठ्यमुद्दे	उद्दिष्टे व स्पष्टीकरणे	अध्ययनानुभव
1)	Transport	Knowledge :	
2)	Defination of transport	i) Students know about transport syste	The students recall some
3)	Advantages of transport	m very well ii) The students recall	information about
4)	Disadvantages of transport	transport	transport
		Understanding :	
		i) The students explain properly what is transport?	The students understand well.
		Application :	
		i) The students know correctly about advan- tages of transport.	use of actual knowledge
		ii) students tell correctly harmful effect of transport.	
		Skill :	
		The students told what should be taken to prevent Pollution to enhancing biodiversity.	Brainstem- ming.
	शैक्षणिक साहित्य	संदर्भ ग्रंथ	मूल्यमापन पद्धती
	chalk, duster, Blackboard etc.	Textbook of 5th sb	Question & Answer

पाठांग	पाठ्यमुद्दे	शिक्षक कृती	विद्यार्थी कृती
	Previous Knowledge	<p>Dear students suppose there is a shop nearby and distance to that shop to from your home is up to 1 km away and you want to bring some items from the shops. Then How are you going?</p> <p>Okay...</p> <p>Suppose, on the first day you walked into this shop and on second day you ride your bicycle and go to the shop and on third day you take an automobile like scooter, car or vehicle.</p> <p>while doing this always take your bag with you. Use the same route for all three journeys.</p> <p>Now tell me the time taken for each journey on each of the three days.</p>	<p>Students</p> <p>listen</p> <p>by scooter or by cycle.</p> <p>Students</p> <p>listen</p> <p>Carefully</p>
	Q-1)	Which journey took the longest time & which took the shortest time?	<p>while walking it took a long time & while using automobiles it took the shortest time.</p>
	Q-2)	In which journey did	

पाठांग	पाठ्यमुदे	शिक्षक कृती	विद्यार्थी कृती
		you have to carry your own things ?	while walking
	Q-3)	In which journey did you have to used fuel. so you move one place to another using these three ways.	when using an automobile.
	a-	so what is it called to ^{from} move one place to another?	No response
	First Statement :	So in this lecture we are going to study about transport . Advantages & disadvantages of transport. [The teacher write point on black board] So first we see what is transport ?	
	Defination OF transport :-	" The action of carrying or taking peoples from one place to another place".	students write.
		From your answers we will see that walking takes the most time & you have to put in labour to carry your own things and using a vehicle save time & effort you must have also realized that we need to use fuels in automobile.	

पाठानं	पाठ्यमुदे	शिक्षक कृती	विद्यार्थी कृती
		Our environment is very sensitive. That's why, pollution has destructive effects on it. These effects are harmful for all living things.	
	Q-	So tell me what causes the use of fuel? Right. This This causes air and noise pollution. It means that diff. modes of transport have different advantages and disadvantages. [The teacher write sub-point on B.B]	pollution
	Advantages of transport	Transport have many advantages	Students listen and understand carefully.
		1) works gets done sooner.	
		2) different parts of the world are now connected due to transport facilities.	
		3) Due to the transport system as so many things are easily available.	
			

Edhali

Aku

पाठांग	पाठ्यमुद्दे	शिक्षक कृती	विद्यार्थी कृती
		Observe the above fig.	
		Q- where have the children stopped ?	On Road.
		Q- why have they stopped there ?	Because of the traffic.
		From this picture you must have realized that there is constant traffic on busy road.	
		Due to the burning of fuel in the vehicles they constantly emit smoke & poisonous gas into air. These gases mainly include CO ₂ , Nitrogen dioxide, sulphur dioxide.	
		Due to this gases reduce the air level in the environment & cause air pollution.	Students listen
		Air pollution effect animals & plants.	
		There are many disadvantages	
	Disadvantages of transport :-	[The teacher write sub-point on B.B]	
		1) Lung and eye disorders e.g. burning of eyes	Students write
		2) The leaves & plants shrivel up and fall.	
		3) The growth and development of plants is affected adversely.	
		4) const. traffic through	

पाठांग	पाठ्यमुद्दे	शिक्षक कृती	विद्यार्थी कृती
		Forest areas can harm the habitat of plants & animals living there.	
		5) The most sound of vehicle create noise pollution. It cause ill effects like headache, irritability etc.	
		These are the disadvantages of transport.	
		To avoiding this pollution due to the transport use fuel that that cause less pollution- use public transport as far as possible.	Students listen carefully
		Planting more trees like Peepul, Banyan, Neem etc and caring for them.	
	Practice:-	I would like to ask some questions Give me a answer.	
	Q-1)	What is transport?	→ The action of carrying or taking people from one place to another.
	Q-2)	What pollution is caused by transport?	→ Air Pollution

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पाठ्यक्रम	पाठ्यपुस्तक	शिक्षक कृती	विद्यार्थी कृती
			and noise pollution.
	Q-3	What poisonous gases are exhaust from vehicles?	Carbon dioxide, Nitrogen dioxide, Carbon monoxide etc.
	Q-4	Tell me the advantages of Transport.	i) Due to the transport time & effort are saved. ii) The facilities of tourism, health etc.
	Last statement	In this way today we have learnt transport.	
	Product :-	The teacher makes each students stand up and tell them ^{to explain} the Advantages of the bicycle.	The students stand and explain the advantages of cycling one by one.
	Q-1)	Write five sentences on how you have benefited from transport facilities.	Students answer
	Q-2)	Write the Disadvantages of Transport.	
	Homework:		
	Q-1)	Write down what you can do to protect the environment from pollution.	
	Q-2)	Write the Disadvantages of Transport.	

फलक लेखन

इयत्ता 5th विषय Science दिनांक 16/12/2021
 घटक Transport उपघटक Advantages of Transport and Disadvantages of Transport

- Definition of transport
- Advantages of transport
- Disadvantages of transport.

[Signature]
 मार्गदर्शिकाची सही

दिनांक

	अ	ब	क	ड	इ
१) उद्दिष्ट स्पष्टता व समर्पकता ...	✓				
२) पाठ्य वस्तुंची सुसंगत मांडणी ...		✓			
३) शैक्षणिक साधनांची वापर व समर्पकता ...	✓				
४) पाठांचा आरंभ मध्य व शेवट ...		✓			
५) विद्यार्थ्यांच्या पाठातील सहभाग ...	✓				
६) शिक्षक व विद्यार्थी यांच्यातील सुसंवाद ...		✓			
७) अध्ययन अनुभवांची समर्पकता ...		✓			
८) विषयावरील प्रभुत्व ...		✓			
९) मूल्यमापन तंत्राची विविधता व समर्पकता ...	✓	✓			
१०) पाठांच्या उद्दिष्टाची सफलता ...		✓			

निरीक्षकाचा अभिप्राय

1. subject knowledge was good
2. Lesson explanation was good
3. Maintain the silence in the class.

[Signature]
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 दिनांक :-

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