

पत्राव पाठ क्रमांक : 01 दिनांक: तासिका क्रमांक: वेळ:

वेद्यालयाचे नांव _____ वर्ग 9th तुकडी _____

विषय : Physics घटक: Laws of Motion

पघटक : Motion of an object, Displacement & Distance

वैशेषिक साहित्य :- chart related to motion, chalk & Duster

अपेक्षित पूर्वज्ञान :

Student have the knowledge about basic knowledge about motion.

प्रस्तावना : Previous knowledge testing

1) How Many type of physical quantities used in Physical ?

→ Two

2) What are the names ?

→ Scaler and Vectors

3) which of these have magnitude and direction?

→ Vector quantity

4) Give some example of vector quantity?

→ force and velocity

5) what physical change observed when applied force on object. ⇒ force

6) which physical quantity is used for push/pull of any object ⇒ force

7) which type of physical is force? ⇒ Vector

8) Define reference point of motion?

→ Unsatisfactory answer.

सु कथन :

Well Student ! Today we are going to study about motion.



पाठ्य मुद्दे	उद्दिष्टे व स्पष्टीकरणे (अपेक्षित वर्तन बदल)	शैक्षणिक - अनुभूती शिक्षक कृती
Motion	Knowledge :	Teacher explain motion
We see the motion of several objects every day	Student tells about motion	In either situation motion is, when an object change its position compared to a reference point.
Sometimes we cannot see the motion of an object directly as the case of breeze	Understanding : Student explain motion.	Drill & practise
Application :	Student able to use motion in daily life	1) In which state position of the object changes with time
Skill :	Student understand motion using chart.	2) In which state position of the object not changes with time
Attitude :	Student study descriptive & briefly about motion.	without force no object can move from one place to another
		1) The flight of a bird is also an example of motion
		Teacher ask question to student
		1) A stone lying on a hill is this example of motion



अनुभव)

विद्यार्थी कृती	शैक्षणिक साधने	फलक कार्य
Student listen carefully		Ex. of motion
Student : listen carefully & note down the main points.		1) The flight of a bird
Student gives answer ⇒ motion		2) Leaves flying through Air.
⇒ Rest		This is also example of motion.
Student listen carefully		
Student gives answer		
2) Yes, because Stone change their position		



विषय प्रतिपादन

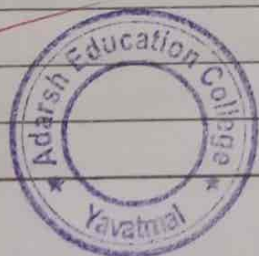
(अध्या)

पाठ्य मुद्दे	उद्दिष्टे व स्पष्टीकरणे (अपेक्षित वर्तन बदल)	शैक्षणिक - अनुभूती शिक्षक कृती
Displacement and Distance	<p><u>Knowledge</u> :- Student tells about displacement & Distance</p>	<p>Teacher explain displacement and distance</p>
Motion is mainly described in term of the following term.	<p><u>Understanding</u> :- Student explain displacement and distance.</p>	<p>Displacement & Distance</p> <ul style="list-style-type: none"> distance is the length of the actual path travelled by an object in motion while going from the point to another.
<ul style="list-style-type: none"> Distance Displacement 	<p><u>Application</u> :- Student able to use the term distance & Displacement.</p>	<ul style="list-style-type: none"> where as displacement the minimum distance between the starting & finishing point.
	<p><u>Skill</u> :- Student understand distance & displacement using chart.</p>	<p>Teacher ask question to student.</p>
	<p><u>Attitude</u> :- student study describe briefly about terms.</p>	<p>1) If a car, starting from a point P, goes to point Q and then returned to point P how much distance has it travelled & what is displacement.</p>



अनुभव)

विद्यार्थी कृती	शैक्षणिक साधने	फलक कार्य
Student listen Carefully		Examples of distance & Displacement
Student listen Carefully and note down the main points.		A) Sheetal first went to her friend Sangeet's house on her way to school
Student gives answer \Rightarrow distance bet ⁿ P & Q for car = $2 \times 6 =$ \Rightarrow Distance bet ⁿ Q & P of car = l \therefore Distance = $\therefore PQ + QP = l + l = 2l$ & Displacement $\neq 0$		B) prashant went straight from home to school both are walking with the same speed who will take less time to reach the second & why





Minority Educational Society's

Adarsh Education College

NCTE Approved and Affiliated to Sant Gadge Baba Amravati University

Gat No.116/1 and 115/2, Plot No.2-6,27-33, Bhosa, Tq.Dist. Yavatmal 445001(M.S.)

Ph.No. **9860954265** Email : minorityedu@gmail.com Website : www.minorityedu.info

2.4.1. Institution provides opportunities for developing competencies and skills in different functional areas through specially designed activities / experiences that include

1. Organizing Learning (lesson plan)
2. Developing Teaching Competencies
3. Assessment of Learning
4. Technology Use and Integration
5. Organizing Field Visits
6. Conducting Outreach/ Out of Classroom Activities
7. Community Engagement
8. Facilitating Inclusive Education
9. Preparing Individualized Educational Plan (IEP)

Supportive Document:-

1. Report



Pamteke
Principal
Adarsh Education College
Yavatmal

Organizing learning (lesson plans)

Adarsh Education College organizes various events to help students develop the same. During their internship programme, students are required to create lesson plans in order to instill the skill of organizing learning. In each teaching subject, this entails creating and delivering 10 (5+5) macro lesson plans, 10 (5+5) practice lesson plans, 2 (1+1) TBL-lesson plans, 2 (1+1) MTL, 2 (1+1) TTL ,4 (2+2) lesson plans to cater to the diverse needs of the students , and conduct two lessons in the school classroom . Student teacher makes every effort during this activity to ensure that each student achieves the majority of the objectives and understands the significance of professionalism in lesson plan preparation

Developing Teaching Competencies

The college instilled the skills and knowledge about the education in the students. The students attended a seminar on the “Role of Teachers in Students Personality Development” and “Interpersonal Skills” which was organized in the college. These skills help in developing the personality of the student teacher. Which help them in future

Assessment of Learning

It is a major part of leaning Assessment is critical to understand the process made by the students. The assessment is conducted in the form of teaching lessons, internal practical, assignments, multiple choice questions, Preliminary exam.

Technology use and Integration

Students are made to use ICT. ICT plays a vital role in imparting education in today's world. Students are constantly using the internet for their education works. Therefore as teachers it is important for the students to prepare lessons based using this technology. Technology based lessons were conducted for the students to help them develop their ICT skills. Students had to use technology to prepare a lesson on their teaching subjects. It new technology for them



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Organizing Field Visits

Field visits help the students to understand the world outside the college and curriculum. It helps to create and awareness about the present things in their surroundings. It is direct experience of students

Conducting Outreaches

Adarsh B.Ed College, in accordance with the syllabus, arranges the activities to familiarize the students with the academic atmosphere. Pre-internship school exposure programmes were conducted at nearby private and public schools. Teachers promote student participation and active learning during this activity. This commitment to service among the pupils. Which are merge in Society

Community Engagement

Colleges are the parts of Community service programmes are important in developing the personality of the students. Social service communities were organized by the college.

Facilitating Inclusive education

An educational visit was organized by the college to "Sanjivani Matimand Vidyalaya Yavatmal. This visit to Special School helped the students to understand the Society and Life of people of Maharashtra state. The students learned about the different part who spread their wisdom to all. The students learned the values which will help to develop their skill in their life.

Preparing Individualized Educational Plan (IEP)

To help the student in all intrigral personality development. Adarsh Education College organized various activities, seminars and visits throughout the year so that students gain knowledge about the progress and the current developments made in the field of education. Which help them create & develop interest in education



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अनुक्रमणिका

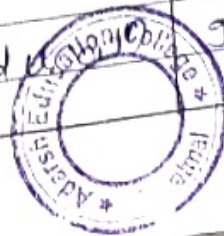
वे.सा.पु.वे. नं. _____

Ku Sumovar Dawlat Pathan

अनुक्रमांक _____

अध्यापन पध्दती 'अ'

पाठ क्र.	दिनांक	शाळा	वर्ग व तुकडी	विषय	निरीक्षकाची सही
1	25/7/22	Aadish education college YH	8th	Biology	[Signature]
2	25/7/22	Aadish education college YH	10th	Biology	
3	26/7/22	Aadish education college YH	8th	Biology	[Signature]
4	26/7/22	Aadish education college YH	8th	Biology	
5	28/7/22	Aadish education college YH	8th	Biology	[Signature]
6	28/7/22	Aadish education college YH	8th	Biology	
7	29/7/22	Aadish education college YH	7th	Biology	[Signature]
8	29/7/22	Aadish education college YH	9th	Biology	
9	30/7/22	Aadish education college YH	7th	Biology	[Signature]
10	30/7/22	Aadish education college YH	8th	Biology	
11	31/7/22	Aadish education college YH	8th	Biology	[Signature]
12	31/7/22	Aadish education college YH	8th	Biology	
13	1/8/22	Aadish education college YH	9th	Biology	[Signature]
14	1/8/22	Aadish education college YH	9th	Biology	



सराव पाठ क्रमांक : 1 दिनांक : _____ तारिका क्रमांक : _____ वेळ : _____

विद्यालयाचे नांव _____ वर्ग _____ तुकडी _____

विषय : Science घटक : Micro organism

उपघटक : Virus Bacteria

शैक्षणिक साहित्य :- _____

१. अपेक्षित पूर्वज्ञान : Previous Knowledge

student know about the basic knowledge of cell organelles and disease.

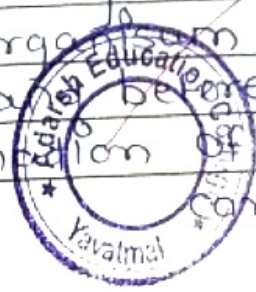
२. प्रस्तावना : Introduction

Good Afternoon student.
How are you ? I will ask you some question
If you know the answer raise your hands
and pay attention this is very important

Q-1) what is microorganism ? Define it and
Define Bacteriology ?
Micro organism means smallest things which
can not see by our naked eyes
→ Bacteriology is the study of Bacteria

३. हेतु कथन : Statement of Aim

Now today I am going to teach you the
micro organism in this lesson today I will
teach a believe that we have seen the
information of microorganism so listen
carefully

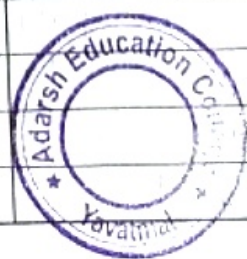


विषय प्रतिपादन

Objective & specification

learning exp (अध्यय अनुभव)

पाठ्य मुद्दे Content	उद्दिष्टे व स्पष्टीकरणे (अपेक्षित वर्तन बदल)	शैक्षणिक - अनुभूती शिक्षक कृती	विद्यार्थी व
Micro organism	<p>Knowledge - Student tells about the microorganism.</p>	<p>In our surroundings large no of micro organism are present this cannot be seen by naked eyes these micro organism are present in soil, water or in our food e.g - virus & Bacteria</p>	Student Caref
	<p>Understanding - student tell this causes</p>	<p>what is microorganism? virus is small organism and their study small organism and their can be done only with the help of microscope.</p>	Micro is sr tuing ereat and
virus	<p>Knowledge - student tell about the virus</p>	<p>ADARSH EDUCATION CENTRE Kovatimal</p>	AN ca w
	<p>Understanding - student tell and explain about the micro-organism.</p>	<p>virus in infections agent that can not replicate with out host cell parasite.</p>	De a R
	<p>Skill - student observe the figure of virus carefully</p>	<p>ADARSH EDUCATION CENTRE Kovatimal</p>	



यय अनुभव)

Student Activity
विद्यार्थी कृती

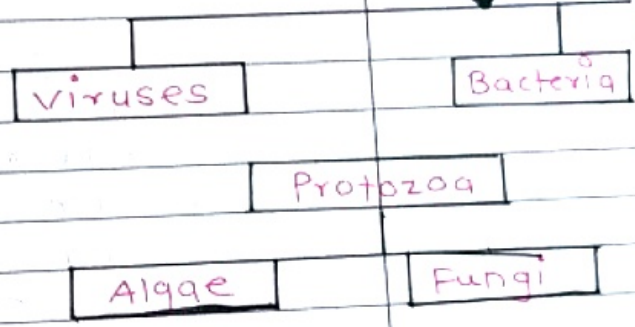
शैक्षणिक साधने
Teaching Aids

फलक कार्य
board work

student listen
carefully

chart
slides
Microscope

Micro
organism

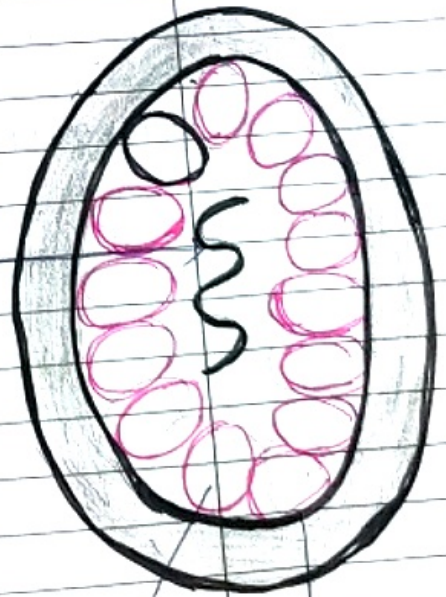


Micro organism
is small living
things
examples - virus
and Bacteria

An infection agent
cannot replicate
without cell

Deoxy Ribonucleic
acid and the
Ribonucleic Acid

DNA
OR
RNA



Protein
coat

Envelope

Virus
Diagram



विषय प्रतिपादन

(अध्य अनुष

पाठ्य भूदे	उद्दिष्ट व स्पष्टीकरणे (अपेक्षित वर्तन बदल)	शैक्षणिक - अनुभूती शिक्षक कृती
Bacteria	<p>Knowledge - student clear their concept regarding the bacteria</p>	<p>Bacteria study is called Bacteriology</p> <p>Some Bacteria are useful but some are Harmful</p>
	<p>Understanding - Student understand the difference between Bacteria & virus.</p>	<p>Q- who discovered Bacteria?</p> <p>Some bacteria are Harmful and causes a disease soil contain a small bacteria which decomposed dead plant and the Animals</p>
	<p>Skill - student draw the diagram of Bacteria and labelled it.</p>	<p>This microorganism Fertilised the soil with the help of ribosome and the Azobacteria they are nitrogen fixing Bacteria.</p>



अनुभव)

विद्यार्थी कृती

शैक्षणिक साधने

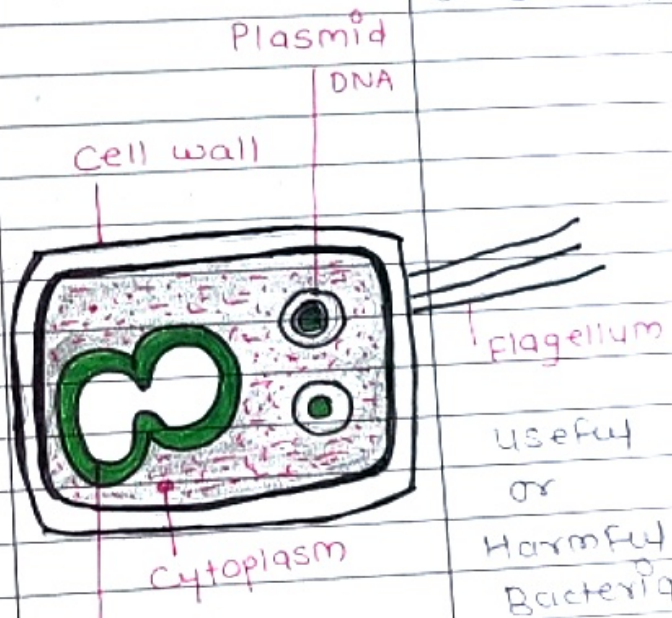
फलक कार्य

Student listen
carefully

Bacteria

Antony van
Leeuwenhoek

Discovery
of Bacteria



Rhizobium and
Azobacterium

Useful
or
Harmful
Bacteria

Bacteria

Nitrogen
Fixing
Bacteria



४) पुनरावलोकन (Repetition) - Short Question

Micro organism are the smallest living organism that cannot be seen by our naked eyes

viruses is the non living microorganism that cannot replicate by their own and can be observed by microscope only

५) मूल्यमापन/उपयोजन (Evaluation) - Objective

Q-1 - Uses of cell wall?

Q-2 - who discovered bacteria?

Q-3 - which Bacteria fixation of Nitrogen?

Q-4 - write down Harmful microorganism?

६) गृहपाठ (Home - Work) -

Try to find types of viruses and Bacteria

निरिक्षणे व प्रत्याभरण :



विषय प्रभारी

पर्यवेक्षकाची स्वाक्षर