



Minority Educational Society's

Adarsh Education College

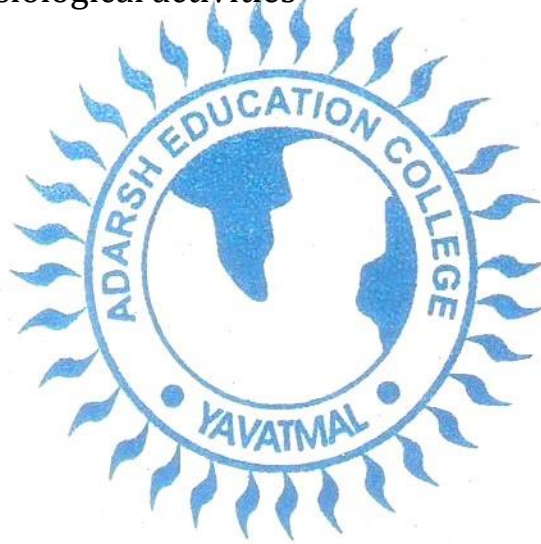
NCTE Approved and Affiliated to Sant Gadge Baba Amravati University

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2.3.4 ICT support is used by students in various learning situations such as

1. Understanding theory courses
2. Practice teaching
3. Internship
4. Out of class room activities
5. Biomechanical and Kinesiological activities
6. Field sports



Pamteke
Principal
Adarsh Education College
Yavatmal

Q 1 Types of ICT's community used in education?

⇒ Common types of information and communication Technologies (ICTs) used in education includes:

- 1 Learning Management System (LMS) :- platform like Moodle, Canvas or Blackboard facilities online course management, content delivery and interaction between students and instructors.
- 2 Video conferencing Tools :- Application such as Zoom, Microsoft Teams, or Google Meet enable virtual classrooms, webinars and collaborative discussing among educators & students.
- 3 Online collaboration Tools :- Platforms like Google Workspace, Microsoft 365 or Slack support collaborative document editing, file sharing and communication.
- 4 Educational Apps and Software :- Various applications and software designed for educational purposes ranging from language learning app to interactive stimulation, enhance learning experience.
- 5 ~~Social Media~~ platform :- Educational communities often use ~~Facebook group~~, ~~Twitter~~, ~~Reddit~~ or communication.



6. E-learning platform :- website like Khan Academy, coursera offer online courses.
7. Mobile learning :- Utilizing smartphones or tablets for educational purposes.
8. Online Assessment Tools :- platforms, for conducting quizzes, exams or assessment in digital format ensuring efficient and timely evaluation of student's progress.
9. Podcast and webinars :- Audio and video content, such as educational podcast and webinars.
10. Interactive whiteboards :- Digital whiteboard and interactive displays in classrooms facilitate dynamic teaching, allowing educators to integrate multimedia content.

These technologies contribute to creating a more interactive, accessible and flexible learning environment in educational communities.



Q2) Using radio and TV broadcasting in education?

⇒ Radio and TV broadcasting can be powerful tools for education, reaching wide audiences. They are effective for delivering information, educational programs, and enhancing learning experiences. These mediums are particularly beneficial in remote areas with limited access to traditional educational resources, helping bridge educational gaps and providing diverse content.

One of the key advantages of radio and TV broadcasting lies in their unparalleled ability to reach vast audiences. In remote or underserved areas where access to conventional educational resources may be limited, these mediums become invaluable conduits for delivering educational content. The simplicity of radio receivers and television sets ensures a wide penetration making them accessible to a broad spectrum of learners irrespective of their technological literacy.

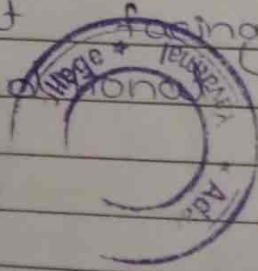


Q3 Teleconferencing and it's educational Uses ?

⇒ Teleconferencing, with its real-time communication capabilities, has become a concern in modern education, fostering collaboration, connectivity and innovative learning experiences.

One prominent uses of teleconferencing in education is virtual classrooms. Through platforms like Zoom, Microsoft Teams, educators can conduct live interactive sessions with students regardless of their physical location. This is especially beneficial for distance learning programs, enabling students to participate in real-time discussions, ask questions and receive immediate feedback.

Accessibility is a key Advantage of teleconferencing in education. Students with diverse needs including those with physical disabilities or those in remote locations, can access educational resources and participate in classes without facing any kind of traditional barrier.





2.3.4 Photograph



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सराव पाठ क्रमांक : 09 दिनांक: तासिका क्रमांक: वेळ: 35 mint

विद्यालयाचे नाव _____ वर्ग 8th तुकडी B

विषय : Science (phy) घटक: force & presence

उपघटक : force

शैक्षणिक साहित्य :- chart , Roller Board etc

१. अपेक्षित पूर्वज्ञान :

student is aware about the basic knowledge of force

२. प्रस्तावना :

1) How can we move a car?
→ It needs force.

2) what is force?
→ force is power.

3) How many types of force?
→ Problematic is a type of force.

३. हेतु कथन :

we are going to learn about the topic force.



विषय प्रतिपादन

शैक्षणिक - अनुभूती
शिक्षक कृती

पाठ्य मुद्दे	उद्दिष्टे व स्पष्टीकरणे (अपेक्षित वर्तन बदल)	
		Teacher explains that
<u>force</u>	<p><u>knowledge</u> :- Student have knowledge of force & its type</p>	<p>push or pull of an object is considered a force. It has a magnitude & a direction. The SI unit of force is Newton.</p> <p>Common symbol :- F S.I unit :- Newton S.I base unit :- $\text{kg} \cdot \text{m} \cdot \text{s}^{-2}$ other unit :- dyne Formula :- $F = ma$ Dimensions :- $[LMT^{-2}]$</p>
Types of force	<p><u>Understanding</u> :- Student understand the types of force</p>	<p>force is a physical quantity that can change the state of motion or dimension of an object. There are two types of force based on their application</p> <ol style="list-style-type: none"> ① contact force ② Non-contact force



अनुभव)

विद्यार्थी कृती	शैक्षणिक साधने	फलक कार्य
Student listen carefully	using Rolling board	class :- 8th Sub :- Science unit :- force & pressure sub unit :- force
Student Show the interest & understand the topic		force :- push or pull of an object is considered a force
		S.I. unit :- Newton
		Base unit :- Kg m/s^2
Student write main points in their notebook.		other unit :- dyne
		formula :- $F = ma$
		Dimensions :- $[LMT^{-2}]$



विषय प्रतिपादन

शैक्षणिक - अनुभूती
शिक्षक कृती

पाठ्य मुद्दे

उद्दिष्टे व स्पष्टीकरणे
(अपेक्षित वर्तन बदल)

Contact
Force

Knowledge :
Student
knows the target
of force

Teacher explains that
forces that act on
body either directly
through a medium
are called as contact
forces.

Understanding :
student
understand the
types of forces.

Examples of contact forces
are

- Muscular force
- Mechanical force
- frictional force.

Non -
contact
Force

Skill : student
develop skills
to understand the
types of force.

forces that act through
spaces without direct
contact with body
are called as non-
contact forces.

Examples of non-contact
forces are

- Gravitational force
- electrostatic force
- Magnetic force.



अनुभव)

विद्यार्थी कृती	शैक्षणिक साधने	फलक कार्य
Student listen carefully	using chart	force → contact force → Non-contact force
Student write main points in their notebook.		contact force ↓ Muscular force Mechanical force Frictional force Non-contact force ↓ Gravitational force electrostatic force Magnetic force

