



MOUNT CARMEL COLLEGE OF TEACHER EDUCATION FOR WOMEN

Muttambalam P.O., Kanjikuzhy, Kottayam- 686004

(Affiliated to Mahatma Gandhi University)

CRITERION II

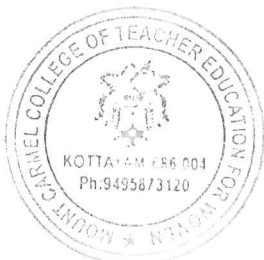
2.4 Competency and Skill Development

METRIC: 2.4.5

Adequate skills are developed in students for effective use of ICT for teaching learning process in respect of:

- Preparation of lesson plans
- Developing assessment tools for both online and offline learning
- Effective use of social media/learning apps/adaptive devices for learning
- Identifying and selecting/ developing online learning resources
- Evolving learning sequences (learning activities) for online as well as face to face situations

Documentary evidence in support of each response selected



Prof. (Dr.) Suma Joseph
Principal
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Education for Women
Kottayam- 686 004

The institution is determined to develop adequate skills in students for the effective use of ICT in the teaching-learning process. Student teachers are equipped with the skills to integrate ICT tools into lesson planning to enhance instructional delivery and learner engagement. Career oriented add on certificate course in Computer Applications and Value added course in Digital Skills for prospective teachers are offered to enhance the digital skills of student teachers.

MOUNT CARMEL COLLEGE OF TEACHER EDUCATION FOR WOMEN, KOTTAYAM
Estd. 1953 (Affiliated to Mahatma Gandhi University) Under the Auspices of IQAC

**CAREER ORIENTED
ADD ON COURSES**
(UGC SPONSORED)

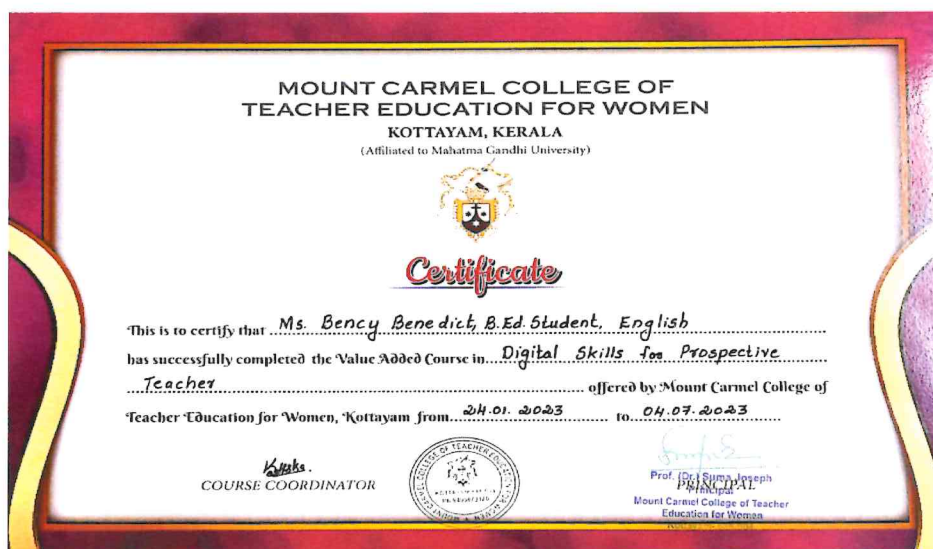
- Certificate Course in Counsellor Training (Credits : 20)
- Certificate Course in Computer Application (Credits : 20)

MOUNT CARMEL COLLEGE OF TEACHER EDUCATION FOR WOMEN, KOTTAYAM
Estd. 1953 (Affiliated to Mahatma Gandhi University)

VALUE ADDED COURSES
2022 - 2023


COURSES OFFERED:

- Arts & Craft
- Fabrication of Ecofriendly Products
- Yoga & Fitness
- Tailoring & Embroidery
- Communicative English
- Understanding India
- Digital Skills for Prospective Teachers



Scanned with OKEN Scanner

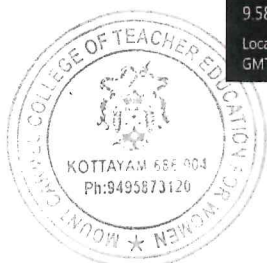
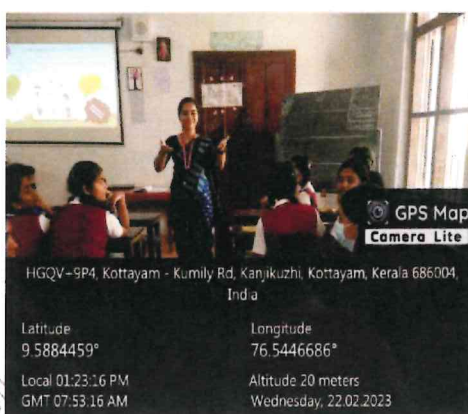
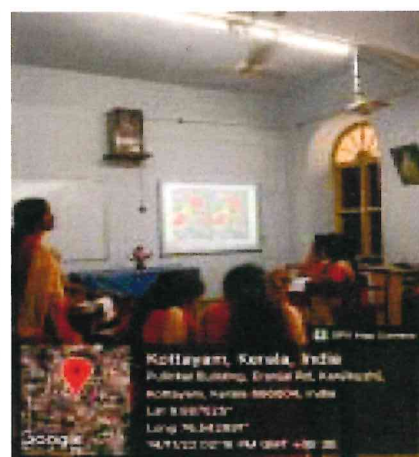
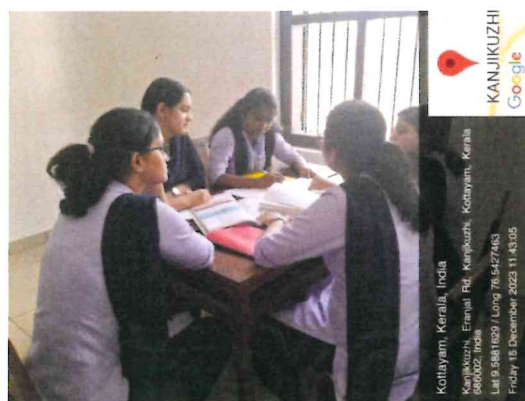




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PREPARATION OF LESSON PLANS



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DEVELOPING ASSESSMENT TOOLS FOR BOTH ONLINE AND OFFLINE LEARNING

Student teachers are given training in creating effective assessment tools that can be utilized in both online and offline learning environments, ensuring comprehensive evaluation of student performance.

Alphonsa B. Ed K

https://docs.google.com/forms/d/e/1FAIpQLSdDjvZiG_BhRFMpdKcPnmnn7dDMiLBTkKbQacJ9FockOBcnA2g/viewform?usp=sf_link

Google Docs

AWARENESS ON CAUSES AND EFFECTS OF ACID RAIN AMONG SECONDARY SCHOOL STUDENTS OF ...

AWARENESS ON CAUSES AND EFFECTS OF ACID RAIN AMONG SECONDARY SCHOOL STUDENTS OF AKALAKUNNAM GRAMA PANCHAYATH

*Indicates required question

Name *

Roll number *

Gender *

Asha Rose B. Ed

<https://docs.google.com/forms/d/1K7vUJ3CF1rq1NEALzEab0okUlp9hvtzoi0D2orJa3iC4/edit#responses>

Google Docs

Untitled form

USAGE OF PLASTICS AND ITS MANAGEMENT AMONG HIGH SCHOOL STUDENTS

As a part of my B.Ed project I am conducting this survey for high school students. I...

Untitled form

USAGE OF PLASTICS AND ITS MANAGEMENT AMONG HIGH SCHOOL STUDENTS

As a part of my B.Ed project I am conducting this survey for high school students. I need your help. Please complete this survey through the link below. It is a simple questionnaire. Your responses are used to help the questions get a reply.

*Indicates required question

Email *

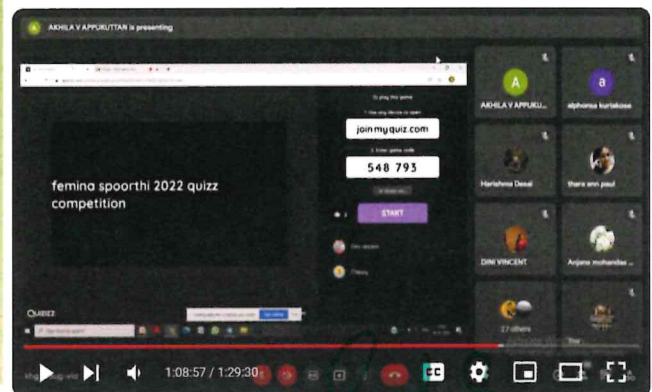
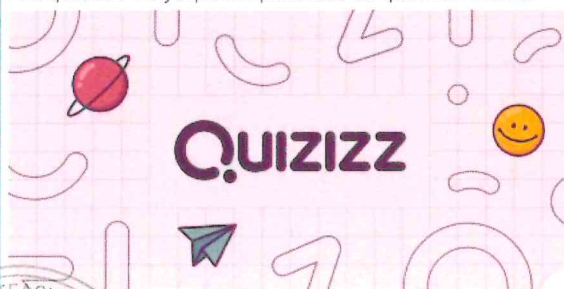
Divya B. Ed S Kurian

<https://quizizz.com/join/quiz/638c3a1da98df6001db82c5f?studentShare=true>

Quizizz

Play multiplayer quizzes!

Find quizzes on any topic and practice or compete with friends.



Suma Joseph
 Prof. (Dr.) Suma Joseph
 Principal
 Mount Carmel College of Teacher
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INSTRUCTIONS

1. Answer all questions
2. Answer the questions according to the score.

Part A

(Each question carries 1mark)

1. Find out the relationship and fill in
Laws of electrolysis: Michael Faraday
Laws of conservation of mass:
2. According to Mendeleev's periodic law, what is the basis of properties of elements?
3. Which is the reducing agent in the following chemical reaction?
 $Mg + Cl_2 \longrightarrow MgCl_2$
4. The catalyst used in the industrial preparation of ammonia is.....
5. The scientist known as the father of periodic table is.....

Part B

(Each question carries 2marks)

6. Analyse the equations given below and answer the following questions.
 $2Na + Cl_2 \longrightarrow 2NaCl$
(Electronic configuration of Na- 2,8,1 & Cl- 2,8,7)
a) Which atom gets oxidised here?
b) Write the equation for reduction in this reaction.
7. What is the reason for the increase in the rate of reaction if solid substances are used in the powdered form?
8. State Modern periodic law.

Name of the student: _____

Instructions

- Attempt all questions.
- Every question carry 1 mark.

1. Which material is used for making filaments of electric bulb?
a) Gold b) Copper c) Tungsten
2. Which is the metal having high thermal conductivity?
a) Iron b) Silver c) Platinum
3. Which is the characteristic property of metal by which it is used in making cooking utensils?
a) High ductility b) Sonority c) Thermal conductivity
4. Give an example for suspension from the given solutions?
a) chalk solution b) Rice water c) Milk
5. The ability of metals to conduct heat is
a) Conductivity b) Thermal conductivity c) Electrical conductivity
6. Which is the substance added to soft drinks to enhance taste?
a) Phosphoric Acid b) Vanillin c) tartrazine

Health self-rating chart

Dear Student,

This survey is conducted to prepare a health self rating chart.

I promise that the details you have provided will be used solely for my educational purposes and these informations will not misused.

* Indicates required question

Physical health

1. I eat a healthy breakfast *

Mark only one oval.

- Yes
 No

2. I eat a balanced diet that is different every day *

Mark only one oval.

- Yes
 No

4. I avoid foods high in sugar, salts and fats *

Mark only one oval

- Yes
 No

5. I do not use tobacco or alcohol or take drugs that a doctor hasn't directed me to *
use

Mark only one oval.

- Yes
 No

6. I get 8 hours of sleep each night *

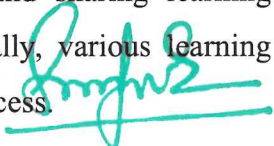
Mark only one oval

- Yes
 No

EFFECTIVE USE OF SOCIAL MEDIA/LEARNING APPS/ADAPTIVE DEVICES FOR LEARNING

Student teachers are guided to use social media platforms, educational apps and digital tools to support and increase learning experiences. They create blogs, YouTube channels, WhatsApp groups, and Telegram groups to further their teaching and learning activities. These platforms are used for communicating, creating, and sharing learning resources, and providing immediate feedback and support. Additionally, various learning apps and digital tools are utilized to promote and enrich the learning process.




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Centina Xavier (Eng 2022-24)

Techniques to Enhance Academic Reading Skill in High School Students

Abstract: One of the major challenges in contemporary classrooms is the development of students' academic reading skills. This paper is a conceptual study on the importance of academic reading, a significant focus on its role in students' learning. The acknowledged relevance of academic reading in shaping academic and professional identities contrasts with the comparatively limited visibility and conceptualization of academic reading as a literacy. Often, academic reading is perceived as a given skill in classrooms. This study delves into the pivotal role of academic reading...

READ MORE

Amala Sebastian (Mathematics)

Friday, June 24, 2022

SCRIBD

A Study on the Application of Hexagonal Structure in Real Life

Abstract

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March 2022 (2)

AMRUTHA S [ENGLISH]

Thursday, June 23, 2022

Project on Regular Exercise

Project Regular Exercise by Amrutha S Scribd

SCRIBD

A STUDY ON SIGNIFICANCE OF REGULAR EXERCISE AMONG HIGH SCHOOL STUDENTS OF MULLANKUZHY LOCALITY AT KOTTAYAM DISTRICT

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Material on Theme of Adolescent Problem - Amrutha S - 1st Year English (1) by Amrutha S on Scribd

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ANJALI SCARIA Physical Science

Awareness on Harmful Effects of Soft Drinks among Secondary School Students

SCRIBD

Awareness on Harmful Effects of Soft Drinks among Secondary School Students

Abstract

09:35

AISWARYA C VIJAY (SS)

Monday, June 13, 2022

Study on the public awareness on E-governance services provided through Akshaya centres

A STUDY ON THE PUBLIC AWARENESS OF E-GOVERNANCE SERVICES PROVIDED THROUGH AKSHAYA CENTRES

Abstract

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<https://www.youtube.com/watch?v=5L71znyFrSY>

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<https://youtu.be/PszzHqUOlw>

<https://youtu.be/vNFtRAuzkY?si=mEtvht405mKVsmOE>



<https://youtu.be/mcHGRs5Mieg?si=JdFo0imQcLwTzXSj>



IDENTIFYING AND SELECTING/ DEVELOPING ONLINE LEARNING RESOURCES

Student teachers identify, select, and develop online learning resources in accordance with the stated learning objectives

<https://www.youtube.com/watch?v=SMEjSdx3lBM>



Digital album - C V Raman

Anjali Scaria B. Ed

https://youtu.be/m1uOY0wbbpQ?si=quG9_Q6Q1lV4ARwb

YouTube
digital album(HJ Bhaba)

CONTRIBUTIONS AND ACHIEVEMENTS

- ▶ Bhabha went back to India in 1940
- ▶ Started his research in Bangalore at the Indian Institute of Science about the cosmic rays.
- ▶ He was given a position as a director at Tata Institute of Fundamental Research, Bombay.



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Dhanya 2022 24


<https://youtu.be/SMEjSdx3IBM?si=iGWO04KkDTDg9KuK>

YouTube

Digital album -C V Raman

Family life

- ❑ C.V Raman married to Lakshmi Bai on 6th May 1907
- ❑ He has two sons, Radhakrishnan and Chandrasekhar
- ❑ Radhakrishnan was a well-known radio astronomer
- ❑ Chandrasekhar had done his work on Nuclear reactions for stellar evolution and had found the Chandrasekhar limit
- ❑ Subrahmanya Chandrasekhar who won the Nobel prize in physics in 1983 was the nephew of C.V. Raman.



Forwarded from pablo escobar

ANJALY SCARIA Physical Science

Awareness on Harmful Effects of Soft Drinks among Secondary School Students

Science

Awareness on Harmful Effects of Soft Drinks among Secondary School Students

ANJALY SCARIA
1st Year BEd
Mount Carmel College of Teacher Education for Women, Kottayam

09:35

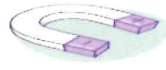
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Physics dictionary

Google Docs

Physics dictionary

ഊർജ്ജതന്ത്രം നിഘണ്ടു ക്ലാസ്സ് 8



ഊർജ്ജതന്ത്രം നിഘണ്ടു

ക്ലാസ്സ് 8

<https://youtu.be/dX0HtHhBOKO?si=QgwxRxY6rrpPWkqg>

YouTube

Digital Album



Forwarded from

Anjali Scaria B. Ed

<https://heyzine.com/flip-book/75eeba62f6.html>

Heyzine

Online Flipbook

Created with the Heyzine flipbook maker

LEARNING RESOURCE MATERIAL
FLASH CARD

Prepared by:
Anjali Scaria
1st BEd
Physical Science

https://youtu.be/H521b2ashis?si=cfckshwK9mZqdr_x

YouTube

Stephen Hawking - The legend - Amrutha Alex



CYBER ADDICTION IN ADOLESCENCE

Submitted to,
Sr. Bindhumol T
Assistant Professor

Submitted by,
Anjali Scaria
1st year BEd
Physical science

Cyber Addiction and Problems

- Parent-child relationship decreases
- Loss of close friendships
- Siblings relationship fades

- More time is spent in "researching" than actually completing assignments
- Incomplete or Missing assignments
- Inability to concentrate on real-life instruction
- Grades begin to decline
- Skipping classes to stay in chat rooms
- Absenteeism

HOW TO AVOID CYBER ADDICTION?

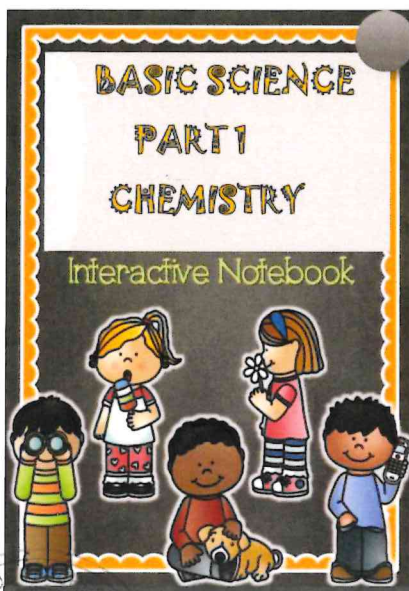
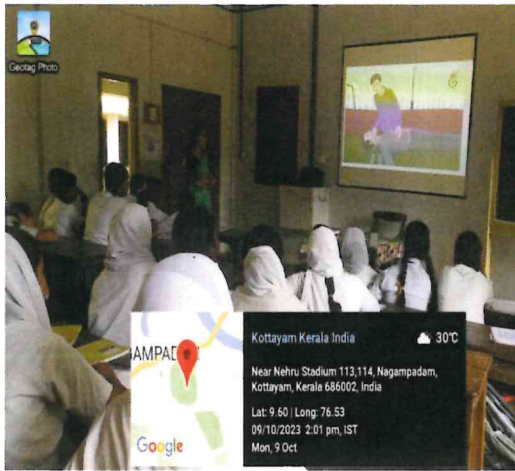
- Try to limit time for Internet use and access
- Set a timer when using a computer or going online to ensure that you do not exceed your time
- Try to avoid reality based games that may go non-stop
- Find other hobbies that does not involve Internet
- Go out and spend time with friends
- Plan family activities
- Parents should monitor their children's computer and Internet use



Suma


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EVOLVING LEARNING ACTIVITIES FOR ONLINE AS WELL AS FACE TO FACE SITUATIONS




INTRODUCTION

This is a Digital Interactive Notebook for students of VIIIth standard. Interactive notebooks are a tool for students to make connections to their studied topics, to revise their thinking and deepen their understanding of the world. This is mainly composed of Chemistry chapters of part 1 Basic science textbook of VIIIth standard. In this Notebook it is mainly focussed on the four chapters for the easy learning of students. This interactive notebook makes the student to learn the concepts clearly and easily. The four chapters that comprised in this digital notebook are Properties of matter, Constituents of matter, Chemical changes and Metals. In this interactive notebook, the concepts of these chapters are described in an attractive and easy way. Along with these, it included some activities for the students to interact with this notebook about the concepts in these chapters. This Digital interactive Notebook can be used at any time, at anywhere using a laptop or mobile.



OBJECTIVES

- ❖ To enhance the learning in chemistry permanent among VIIIth standard students
- ❖ To help students to build deep understanding of science subjects' matter and of scientific inquiry
- ❖ To provide reinforcement for better learning
- ❖ To make lessons enjoyable and interesting for the students
- ❖ To understand the concepts clearly and avoid remote learning
- ❖ To encourage active learning and provide opportunities for students to pursue their own interests and tackle authentic problems.
- ❖ To collect information related to different chapter in chemistry in a nutshell
- ❖ To improve the achievement of students in chemistry




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PROPERTIES OF MATTER

Matter is anything that has **Mass** and takes up **Space**. The **States** of matter are **Solid**, **Liquid** and **Gas**.

SOLID
A definite shape and volume. Molecules are tightly packed with a fixed position and vibrate in place.

LIQUID
A definite volume but no definite shape. Shape of its container. Molecules are closer to each other but collide against each other.

GAS
No definite shape or volume. Shape and volume of its the container. Molecules are loosely packed. Large volume happen.

How does the heat affect the state of matter?

Matter can change from one state to another with a change in **heat energy**. When heat increases the particles move **faster** and spread further apart. When heat decreases the particles move **slower** and get closer together.

ACTIVITY
Copy pastes the change in states of matter of ice when heat energy change.

LIQUID GAS

SOLID → HEATED → LIQUID → HEATED → GAS → HEATED → LIQUID → COOLED → SOLID → COOLED → LIQUID → COOLED → GAS

Diagram showing phase changes: SUBLIMATION, SOLIDIFICATION, LIQUIFICATION, SOLIDIFICATION, EVAPORATION, CONDENSATION.

ACTIVITY
Arrange the states of matter in terms of energy.

ENERGY

ACTIVITY
Identify the separation method and write the correct number of separation method from below into the box available.

1. DISTILLATION
2. FRACTIONAL DISTILLATION
3. SEPARATION FUNNEL
4. SUBLIMATION
5. CHROMATOGRAPHY

Separate more than one solute from same solvent
Difference in boiling points
Difference in mass of particles
By heating solid into gas without melting into liquid
Small difference in boiling points
Separating immiscible liquids

BASIC CONSTITUENTS OF MATTER

MATTER CAN BE CLASSIFIED BASED ON ITS COMPOSITION

PURE SUBSTANCE AND COMPOUNDS

PURE SUBSTANCES
ELEMENTS
COMPOUNDS

ELEMENTS
Contain only one type of atom.
Cannot be broken down into simpler substances by either physical or chemical means.

COMPOUNDS
Contain atoms of two or more different elements bonded together in a fixed ratio.
CAN be broken down into simpler substances (elements) by chemical means but NOT by physical means.
Has different properties than its constituent elements.

ഊർജ്ജതന്ത്രം നിലണ്ടു ക്ലാസ്സ് 8

SUBMITTED TO: DR. UZ KUBIAKOSE, ASSISTANT PROFESSOR, MOUNT CARMEL COLLEGE OF TEACHER EDUCATION FOR WOMEN, KOTTAYAM.

SUBMITTED BY: GAYATHRI G, B.ED PHYSICAL SCIENCE, MOUNT CARMEL COLLEGE OF TEACHER EDUCATION FOR WOMEN, KOTTAYAM.

ആമുഖം
പുതിയ വിദ്യാഭ്യാസ മാർഗ്ഗരേഖകൾ

ലക്ഷ്യം
പുതിയ വിദ്യാഭ്യാസ മാർഗ്ഗരേഖകൾ പരിചയപ്പെടാനും, അവയുടെ പ്രാധാന്യം മനസ്സിലാക്കാനും, അവയുടെ പ്രയോജനം ഉറപ്പാക്കാനും, അവയുടെ പ്രയോജനം ഉറപ്പാക്കാനും, അവയുടെ പ്രയോജനം ഉറപ്പാക്കാനും.

Suma Joseph



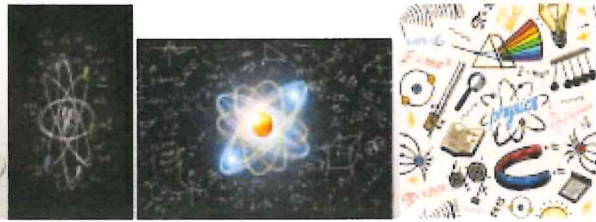
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നിർവ്വചനം

എല്ലാ ഭൗതികവും ധാരാളമായും അനുബന്ധിച്ച് അന്വേഷണത്തിലൂടെ പഠനത്തിന് ആവശ്യമായ വസ്തുക്കളെല്ലാം അർത്ഥവും നിർവ്വചനവും ഉൾക്കൊള്ളുന്ന ഒരു വിഷയബന്ധത്തിൽ ആശയങ്ങൾ എല്ലാത്തിൽ ഉൾപ്പെടുത്തുന്നു. അർത്ഥവത്തായ പഠനം നടത്താനും ഇത് നിങ്ങളെ സഹായിക്കും. പ്രകാശനത്തിൽ അർത്ഥവത്തായവകയിൽ ശ്രദ്ധിക്കിച്ച് കൃത്യമായി അർത്ഥവത്തായവകയിൽ അർത്ഥം കൈമാറുന്നതിന് വളരെ എളുപ്പമാണ്.

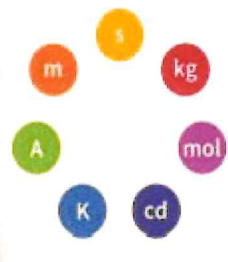
ഊർജ്ജതന്ത്രം - PHYSICS

ഊർജ്ജതന്ത്രം അന്വേഷണത്തിലൂടെ അന്വേഷണത്തിലൂടെ പഠനത്തിൽ ഉൾപ്പെടുത്തുന്നു. ഇതിൽ ഉൾപ്പെടുത്തിയ അർത്ഥത്തിൽ ഉൾപ്പെടുത്തിയിരിക്കുന്നു.



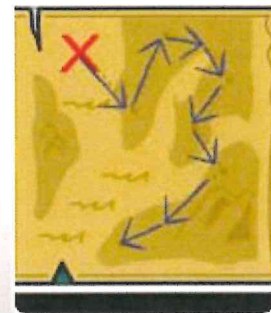
അടിസ്ഥാന യൂണിറ്റുകൾ FUNDAMENTAL UNITS

പാഠ്യപുസ്തകത്തിൽ നിന്നും അടുത്തുള്ള എല്ലാ യൂണിറ്റുകളും ഉൾപ്പെടുത്തിയിരിക്കുന്നു. ഇവയെല്ലാം അടിസ്ഥാന യൂണിറ്റുകളാണ്. ഇവയെല്ലാം അടിസ്ഥാന യൂണിറ്റുകളാണ്. ഇവയെല്ലാം അടിസ്ഥാന യൂണിറ്റുകളാണ്.



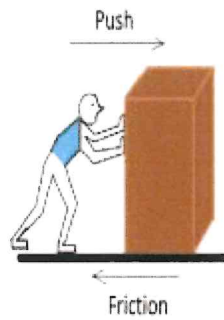
അദിശ അളവുകൾ SCALAR QUANTITY

ഈ അളവുകൾക്ക് ദിശയൊന്നും ഇല്ല. ഇവയെല്ലാം അദിശ അളവുകൾ ആണ്. ഇവയെല്ലാം അദിശ അളവുകൾ ആണ്.



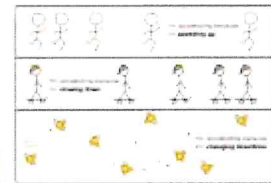
തള്ളൽ PUSH

ഒരു വസ്തുവിൽ നിന്ന് അകലേക്ക് തള്ളലാണ്. ഇത് തള്ളലാണ്. ഇത് തള്ളലാണ്.



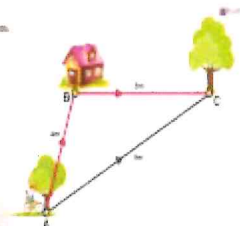
ത്വരണം ACCELERATION

ഒരു വസ്തുവിന്റെ വേഗതയിൽ മാറ്റം വരുന്നതിനെ ത്വരണം എന്ന് പറയുന്നു. ഇത് ത്വരണം ആണ്.



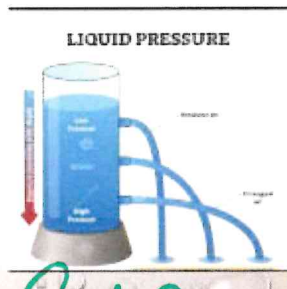
ദൂരം DISTANCE

ഒരു വസ്തുവിൽ നിന്ന് മറ്റൊരു വസ്തുവിലേക്ക് തിരിച്ചുവരുന്നതിനുള്ള ദൂരമാണ് ദൂരം. ഇത് ദൂരമാണ്.



ദ്രാവകമർദ്ദം LIQUID PRESSURE

ദ്രാവകത്തിൽ എവിടെയും തുല്യമായി ഉണ്ടാകുന്ന മർദ്ദമാണ് ദ്രാവകമർദ്ദം. ഇത് ദ്രാവകമർദ്ദമാണ്.



Suma

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