



Let Noble Thoughts Flow to Everyone from all Directions

**BRAHMANANDA SWAMY SIVAYOGI
B.Ed TRAINING COLLEGE**

Affiliated to Calicut University and Recognised by NCTE
ALATHUR, (P.O.) PALAKKAD Dt. KERALA. PIN - 678 541.
Phone : (Off) 04922 - 224415 (Adm: Off) 04922 - 222315

Institution has created an eco-system for innovation and other initiatives for creation and transfer of knowledge that include

- Participative efforts (brain storming, think tank etc.) to identify possible and needed innovations
- Encouragement to novel ideas
- Official approval and support for innovative try-outs
- Material and procedural supports

The institution has a deliberate mechanism of bringing participative efforts in cultivating innovations among student teachers and also for encouraging novel ideas. The following nature of activities were carried out to achieve these objectives.

- Brain storming sessions
- Discussion forums
- Workshops on preparation of teaching aids
- Training for crafts and arts
- Celebration of cultural and national days
- Innovative programs as a part of internship
- Teaching internship

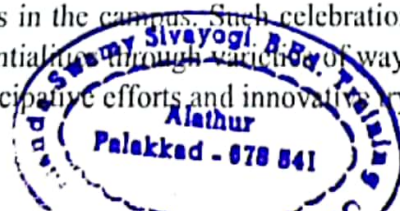
Brain Storming Sessions- The institution organises periodic brain storming sessions under the supervision of subject teachers to generate new ideas and sharing knowledge to solve certain education related issues. Since it is a group activity, participation of all students was ensured during this activity.

Discussion Forums- Discussion sessions provide common platforms for students to breed fresh ideas and taking inputs from a particular group. These discussion forums helps the students to share and convey the common perception regarding a particular topic or a content in education. In some cases, the discussion forums provide an appropriate platform for students in expressing their views on social issues.

Workshops on preparation of teaching aids- Teaching aids are an integral component in any teaching process. It helps the learners to present information in a new and exciting way. To cater this objective the institution offers workshop sessions for preparation of teaching aids which ultimately contributes the creation of new ideas and innovations.

Training for crafts and arts- The institution offers training on basic crafts and other forms of arts. Comprehensive training on both in skills and training methodology is imparted to the students make them conversant with techniques of transferring hands-on skills and creative ideas.

Celebration of national and cultural days- The institution celebrates various national and cultural festivals in the campus. Such celebration provides students to showcase their creative talents and potential through various ways. These rejoicing moments helps the students to cultivate participative efforts and innovative try outs.



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Innovative programs as a part of internship- school internship programs recommend students to carry out innovative programs in schools. Through this teacher trainees add real value to their profession and promptly highlight the innovative ideas they are having in their mind. This may further helps in imbibing recent trends in innovativeness along with academic progress.

Teaching internship- The Student Teaching Internship represents the capstone or culminating experience in the preparation of prospective teachers as knowledgeable, reflective practitioners and emerging leaders who conduct themselves ethically and professionally. This practice provides student teachers many opportunities within diverse classroom settings to refine the knowledge, skills, and dispositions. Appropriate mentoring support coupled with procedural knowledge makes the internship, a platform for trying out novel and innovative ideas. The integration and adoption of ICT in the classroom also considered as an effective way of bringing novelty in the classroom.




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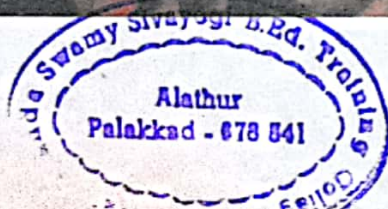
Year 2017 to 2022

Discussion Programmes



Year 2017 to 2022

Workshop on teaching aid preparation



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SUPW Workshop

Year 2017-2022



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Year 2017 to 2022

Independence Day celebration



Year 2017-2022

Celebration of cultural days



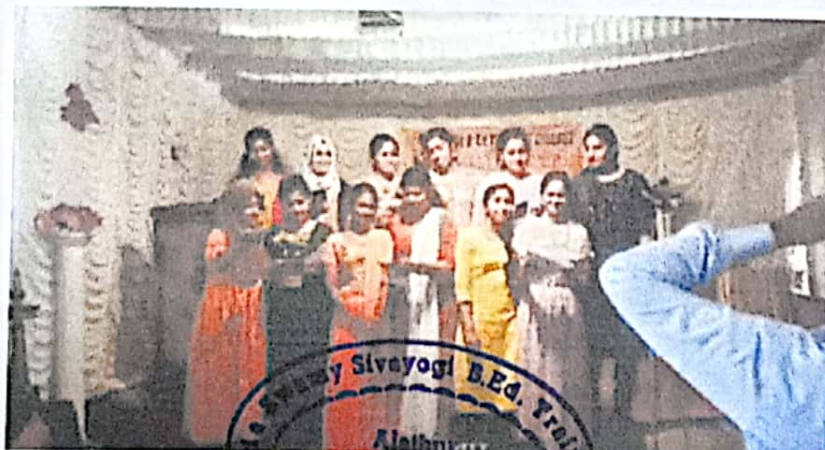
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Year 2017 to 2022

School Internship activities



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Year 2017 to 2022

Chalk based digital lesson

MAGNETIC FLUX DENSITY
Physics - Unit 3: Magnetism

Scheme V
Mon Nov 7, 2022 (Classroom)

DIGITAL LESSON PLAN

Basic Information			
Name of the teacher/teacher	Mithra V	School	CGHSV Mathur
Subject	Basic Science	Class	VIII
Unit of study	Magnetism	Time	45 mins
Lesson title	Magnetic flux density	Version	4.0
		Date	07/11/2022

GENERAL INSTRUCTIONAL OBJECTIVES:

- Explain the concept of magnetic flux density.
- Understand the procedure of magnetic lines of force between magnets.

SPECIFIC INSTRUCTIONAL OBJECTIVES

Knowledge:

- Recall the definition of magnetic lines of force.
- Recall the properties of magnetic lines of force.

Understanding:

- Define magnetic flux density.
- Explain where magnetic flux density is used.
- Use the properties of magnetic lines of force to find between magnets.

Application:

- Explain the idea of magnetic flux density.

Skill:

- Observation skill

Scheme V
Chalk
Page 1 of 8

- Drawing skill
- Interpretation skill

Interest:

- Drawing the magnetic lines of force between magnets.

Attitude:

- Positive attitude towards science

HARDWARE RESOURCES NEEDED

- Laptop
- LCD projector
- Laser pointer
- Speaker
- Internet connection

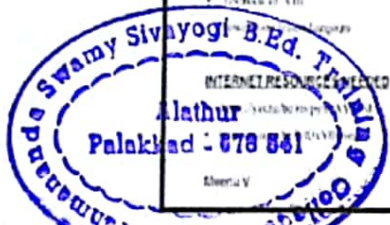
SOFTWARE RESOURCES NEEDED:

- MS power point
- MS word
- Google chrome
- VLC player
- YouTube downloader

PRINTOUT MATERIALS NEEDED

- Feedback of VIII

Chalk



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CONCEPTS:

- The nature, scope of developing mental mathematics in the regulars. Rationale of the unit
- Maplets for lesson in general & part.

PROBLEMS/QUESTIONS:

- Formulating, identifying, classifying, solving.

VALUES AND ATTITUDES:

- Developing logical, analytical, creative thinking.
- Developing logical, systematic and systematic values.

LEARNING RESOURCES:

- NC Texts.

PRE-REQUISITES:

- Basic concepts in numbers, addition, subtraction.

DETAIL SUBJECTS:

- Experiences in working on Life tables.
- Experiences in working on Money.
- Experiences in working on and ICT projects.
- Short projects and Group projects and understanding on electronics.

UNIT NUMBER	CONTENT	APPLICATION	MEDIA EFFECT	MEASUREMENT	LEARNING EXPERIENCE	EVALUATION

Media V Chack Page 4 of 8

- Experiences in working on Life tables.

TYPES OF MEDIA EFFECTS:

- Text
- 2D images
- Video

STEP NUMBER	STEPS
Step 1	Introduction
Step 2.1	Recitation
Step 4	Text annotation
Step 5.1	Supplies
Step 5.4	Application
Step 6	Recitation
Step 7	Follow up activity

CONTENT ANALYSIS

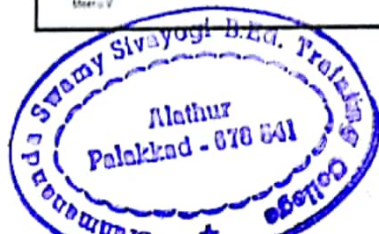
TERMS:

- Maplets, fact family, negative lines of force.

FACTS:

- Maplets used in class. Maplets that require attention.
- There will be several easy maplets which will be offered to all.

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Slide 1	See	Define the term	See		Learn vocabulary	Remember the definition
Slide 2	Explain the term	Definition of magnetic flux density	See		Write notes on the previous knowledge	Develop logical thinking
Slide 3	Explain magnetic compass	Definition of magnetic compass	See		Write notes to understand more the topic of magnet	Develop critical thinking

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Slide 4	Magnetic flux density	Definition of magnetic flux density	Text Picture		Write notes to define magnetic flux density	Develop understanding in students
Slide 4	Magnetic flux density a pin	Problems of magnetic flux density	Text Picture		Write notes to understand the properties of magnetic flux density	Develop scientific attitude in students
Slide 5	Magnetic field lines	Definition of magnetic field lines	Text Picture		Write notes to know about magnetic field lines	Develop logical thinking



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Sak 7	Magnetic field	Magnetic field lines from different sources	Text Picture		Students make to recognize the sources of magnetic field	Students make to differentiate different magnetic field sources
Sak 8	To draw magnetic field lines	Method to draw magnetic field lines using bar magnet and magnetic compass	Text Video		Students make to draw magnetic field lines	Students make to use magnet and compass

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