

FOR DETAIL INFORMATION

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Themes for Project Generation

1. Projects based learning in mathematics
2. ICT based mathematics instructions
3. Connecting culture into classroom mathematics
4. Human civilization and mathematics
5. Etho models/modelling pedagogy/pedagogies
6. Mathematics Theatre: RM
7. Assessment as learning process
8. Manipulative based learning
9. Lab based instruction in Mathematics
10. Facets of mathematical instruction
11. Play and Games in mathematics
12. Mathematics of daily life
13. Musical mathematics
14. Critical perspective in mathematics education
15. Images of mathematics
16. Maths magic
17. Vedic Mathematics
18. Mental Mathematics
19. Issues in mathematics education
20. Teacher as classroom researcher
21. Research based instructions
22. 21st century mathematical skills
23. Integrating Mathematics in other subject.
24. Multi-disciplinary use of mathematics
25. Journaling in mathematics teaching

MATHEMATICS EDUCATION FAIR - 2015

“TRANSFORMING MATHEMATICS
EDUCATION THROUGH ACTIVITY BASED
INSTRUCTION”



Mathematics Education Fair-2015

Mathematics has been one of the major concerns of every family and student around the globe because of its everyday use, demand at job market, necessity to advance technology and conduct research. Despite its significance in 21st century, each country is worried about improvising mathematics education in school. The high failure rate in the mathematics in each grade, public image of mathematics and mathematical anxiety of the learners are some of the challenges reflected from the existing classroom practices. To address these challenges, need of activity based mathematics instruction has been realized that it would help learners to foster critical thinking creative thinking, and problem solving skills.

Kathmandu University School of Education (KUSOED) and Center for Activity Based Instruction Nepal (ABI Nepal) have been taking initiatives to transform education through different programs and activities. Education Fair, Math Exhibition are important to share the best practices existing in Mathematics education. Realizing this fact, KUSOED and ABI Nepal are going to organize Mathematics Education Fair to share best practices of different organizations in the field of Mathematics Education. It has been believed that this fair will bring number of innovative ideas, research practices, teachers and schools together which has been believed to be the milestone to broaden the existing horizon of mathematics instruction.

Goal

The goal of mathematics education fair is to:

- Share best practices of different organizations
- Build collaboration among teachers and trainers, curriculum designers, textbook writers, teacher educators and researchers
- Celebrate the nature of mathematics education; math carnival.
- Explore the student friendly practices in the schools and help to create lab schools.

Participants

Participants of the Fair will be the representatives of different schools, colleges, Mathematics Educationists, researchers, practitioners, activists, students and representatives of different universities, educational and research institutions; Inter/national and Non/government organizations, including Nepal, SAARC, Europe, America countries etc

Program and process

The Education Fair will be conducted for two days; workshops for teachers with exhibition of more than 50 projects on first day and paper presentations [symposium] in various themes of mathematics education along with the exhibition on second day. Key attributes of the fair includes the exhibition of diverse projects, games, videos, dramas, mathematical concert and research findings that are, especially obliging for teachers, students, school leaders, researchers and scholars.

Outcomes

Outcomes of the Fair will contribute in the field of growing international endeavor of building knowledge on teaching, learning, teacher training and research for better curriculum of mathematics education.

Teachers will

- ⇒ Have practical experience of project based learning.
- ⇒ Learn to use ICT in mathematics classroom.
- ⇒ Observe different models to concretize mathematical concepts.
- ⇒ Attain workshop to gain necessary skills to bring mathematics in their real lives.

Students will

- ⇒ Involve in context based project development and observation.
- ⇒ Be able to use ICT in mathematics to verify the concepts they have learnt.
- ⇒ Have fun in mathematics by learning different magic, observing drama and mathematical concert.
- ⇒ Interaction and collaboration with many other friends and teachers.

Researchers will

- ⇒ Get first hand data of how school system are getting changed through hands on activities
- ⇒ Get opportunity of in-depth Interaction with teachers and students regarding concept of building process, project and its benefits and other issues.
- ⇒ Learn about current practices of teachers in schools for the use of mathematics in interdisciplinary and integrated projects at school.

PROGRAMS

- ❖ Exhibitions
- ❖ Math Concert
- ❖ Symposium
- ❖ Drama
- ❖ Workshop for Teachers
- ❖ Workshop for Book writers & Publishers

DATE/VENUE

KUSOED Hattiban, Lalitpur
Date: 6th - 7th February, 2015
Time: 10:00 am – 2:00 pm
www.kusoed.edu.np / www.abi.edu.np

KEY SPEAKERS

Prof. Paul Ernest, PhD. /University of Exeter
Dr. Bal Chandra Luitel / Assoc. Dean,
KUSOED
Asst. Prof. Tika Ram Pokhrel /KUSOED