



FROM 2020

MATHEMATICS WEBINARS

CONDUCTED BY
PROF. DR. VINI SEBASTIAN
MATHEMATICS PEDAGOGY

COORDINATED BY THE STUDENTS OF ST. XAVIER'S
INSTITUTE OF EDUCATION, MATHEMATICS PEDAGOGY



MATHEMATICS WEBINARS

Mathematics Webinars conducted on the last Saturdays of every month from 2020-2021. The following are the list of topics covered.

Date	Topic	Name of the resource person
Our theme: STRATEGIES AND SOLUTIONS FOR BOOSTING MATHEMATICS LEARNING		
29 th June, 2020	Augmenting Student engagement of Elementary and children with special needs in Mathematics	Ms. Zara Parekh, Homeroom teacher for Differently abled, Gateway school
30 th June, 2020	Quality Improvement in Mathematics Teaching	Prof. Inder Rana, Dept. of Mathematics, IIT Bombay
25 th July , 2020	Constructivist Teaching : Listening to Students' Thinking	Dr. K.S. Subramaniam, Director, HBCSE-TIFR
25 th July, 2020	HBCSE Enrichment activities for Professional Development	Dr. Shweta Naik, HBCSE-TIFR
29 th August, 2020	Scaffolded Problem based Learning strategy	Dr. Vaishali Sawant, Hansraj, Jivandas College of Education
26 th September, 2020	Aspects of Effective Math Education	Ms. Bhoomi Parekh, Chaturbhuj Narsee School, MUmbai
26 th September, 2020	Pedagogical Content Knowledge	Dr. Narendra Deshmukh, HBCSE-TIFR, Science Department
31 st October, 2020	Discovering Aesthetics in Mathematics	Dr. Veena Deshmukh, Chairperson , SNTD WDU
28 th November, 2020	Ethnomathematics	Dr. Jayshree Subrmaniam,
23 rd January, 2021	Teaching Mathematics with Multidisciplinary Perspective	Dr. Haneet Gandhi, Central Institute of Education, Delhi
27 th February, 2021	Technology enabled Mathematical Explorations: A Catalyst for developing Mathematical thinking	Dr. Jonaki Ghosh, Faculty Dept of Elementary Education, Lady Sri Ram College , University of Delhi
27 th March, 2021	Talking Science to Mathematics teachers	Dr. Gagan Gupta, Dept. of Mathematics, IIT Bombay
28 th August, 2021	Using Havard's Visible Thinking Toolbox for Teaching and Evaluation in Mathematics	Dr. Roselle D'Souza, IBDP Math Educator, Canada
30 th October, 2021	Empowerment through Creative Problem Solving	Ms. Sunita Shah, Educational Consultant in Mathematics
27 th November, 2021	A Mind for Mathematics	Dr. Shamim Suryavanshi, Ph.D. in Education and Life Coach
29 th January, 2022	Universalizing Math Learning	Dr. Vivek Monteiro, Ph.D. in Physics, Principal Advisor to Navnirmiti Group of organisations
26 th March, 2022	Reflective Teaching in Mathematics	Ms. Ruchi Kumar, Centre of Excellence , TISS
30 th July, 2022	Art Integrated teaching in Mathematics	Ms. Sunita Shah, Educational Consultant in Mathematics

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27 th August, 2022	Teaching and Learning of Mathematics in Endemic and beyond	Prof. Inder Rana, Dept. of Mathematics, Adjunct Professor, IIT Bombay
24 th September, 2022	Mathematics in the social domain does it strengthen or hinder democracy?	Dr. K.S. Subramaniam, Professor, HBCSE-TIFR
26 th November, 2022	Constructivism in Mathematics	Dr. Ashwini Halbe, Associate Professor, Department of Education, University of Mumbai
31 st January, 2023	Straight Lines aren't always straight	Dr. Anoop Skaria, Assistant Professor, SIES College of Arts, Science and Commerce

The Research investigations carried out are the following :

1. Modes of Curriculum Integration in Mathematics teaching -learning
2. Teacher's perception of textbook analysis
3. Methods of conceptual understanding in Mathematics
4. Parental Involvement in Mathematics Educaiton
5. Gender Bias in Mathematics
6. Mathematics Counselling
7. Attitude toward Mathematics as a subject and an option for career
8. Reflective teaching in Mathematics
9. Digital Learning in Mathematics
10. Critical thinking in Mathematics
11. Mathematical Creativity perception and development



Dr. Vini Sebastian
Pedagogy Master
Principal In Charge

