

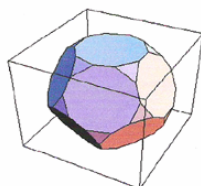
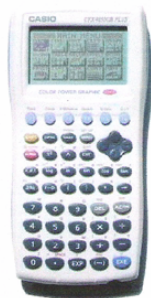
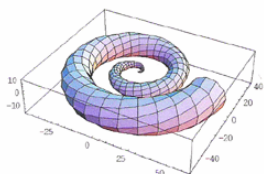
**REDEFINING MATHEMATICS TEACHING
AND LEARNING THROUGH TECHNOLOGY**

A Professional Development Program for Mathematics Teachers organized by
Mathematics Laboratory and Technology Centre of

DELHI PUBLIC SCHOOL
R. K. PURAM

&
CASIO

12th – 13th May 2006



WOLFRAMRESEARCH



Picture of DPS RK principal Dr. Chona with Mr. Koizumi –
Japanese PM who visited there.

Mr. Wei-chi Yang with Dr. Chona (right above)

Prof. Wei Chi Yang

Maths/Statistics Dept., Radford University, Virginia, USA

Professor Dr. Wei-Chi Yang received his B.S. from Taiwan and his M.S. and Ph.D. degrees in Mathematics from the University of California at Davis in 1988. He began implementing the use of technology in his teaching and research in 1991. His original research interest was in the theoretical integration theory and thanks to computer software technologies, he was able to experiment his integration quadratures with his theoretical approaches. Professor Yang has written many papers, which demonstrate how technology could make complex and abstract concepts more accessible to students. The topics range from Pre-Calculus, Trigonometry, Calculus, to Linear Algebra and Advanced Calculus. He has co-authored a book '*Exploring Mathematics with Technology*' with Professor Jonathan Lewin. He had given over 200 international presentations around the world. Professor Yang had a vision in early 1990s that technology can revolutionize the teaching and learning of Mathematics. Thus he founded the Asian Technology Conference in Mathematics (ATCM) in 1995. This is an annual conference held every year in December. Ten ATCMs have already taken place in various countries across the world and the Eleventh ATCM will be held in Hong Kong, December 12-16, 2006. Professor Yang was invited as a Visiting Professor at Universidad Diego Portales of Chile in November of 2005. He has received a grant from National Science Council to give a series of lectures on the use of technology in mathematics teaching and research at several universities from May 20 to June 2 of 2006.



Prof. Dinesh Singh

Prof. Dinesh Singh has been educated at the Imperial College of Science, Technology and Medicine, England from where he obtained his Ph.D and D.I.C. He did his B.A. (Hons.) and M.A in Mathematics from St. Stephen's College, Delhi University and received his M.Phil from the University of Delhi. He has received numerous awards including the Career award of the UGC and the AMU Prize of the Indian Mathematical Society. He has been a visiting professor and has lectured at various universities in the world including the USA, England, Australia, Switzerland, Egypt, Canada and various parts of India. He has been on the faculty of IIT Delhi and Indian Statistical Institute. He has authored several books and has many research articles to his credit. Presently he is the Director of South Campus, Delhi University and is actively associated with improving mathematics education in the country. He started the Mathematical Sciences Foundation at St. Stephen's College. Through the foundation he has started Mathematics Resource Centres in various schools across Delhi.

VIP guest : Prof. Dinesh Singh
Director of South Campus, Delhi University
The faculty of IIT Delhi

(His son is studying DPS RK)

REDEFINING MATHEMATICS TEACHING AND LEARNING THROUGH TECHNOLOGY

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 12th & 13th May 2006

PROGRAM

12th May 2006

Mr. Satish

Time	Program
8:30 am	REGISTRATION OF PARTICIPANTS
9:00 am	<p>INAUGURAL SESSION</p> <ul style="list-style-type: none"> Welcome of participants. Welcome address by Dr. (Mrs.) Shayama Chona, Principal, Delhi Public School R K Puram. Introduction to theme of workshop by Dr. Jonaki B Ghosh, Mathematics Laboratory In-charge. Address by Prof. Wei Chi Yang, Mathematics Dept., Radford University, Virginia, USA
9:30 am	<p><i>Impact of Technology on Teaching and Learning of Mathematics</i> Plenary Talk by Prof. Wei Chi Yang, Mathematics Dept., Radford University, Virginia, USA</p>
10:30 am	TEA
11:00 am	<p><i>Innovative Teaching and Learning of Mathematics</i> Talk by Lady Plaxy Arthur</p>
11:45 am	<p><i>Interactive Discussion On Issues Related To The Use Of Technology For Teaching Mathematics</i></p>
12:30 pm	LUNCH

1:30 pm	<p><i>Teaching Mathematics With Technology</i> Talk by Dr. Jonaki B Ghosh, Incharge, Mathematics Lab & Tech. Centre, D P S R K Puram</p>
2:00 pm	<p><i>Visualizing and Exploring Mathematics Using Graphics Calculators</i> A Hands-on Session on the Casio CFX 9860 GC PLUS Graphics Calculator by Dr. Jonaki B Ghosh</p>

13th May 2006

Time	Program
8:30 am	<p><i>Visualizing and Exploring Mathematics Using Graphics Calculators</i> A Hands-on Session on the Casio CFX 9860 GC PLUS Graphics Calculator (contd.) by Dr. Jonaki B Ghosh</p>
10:30 am	TEA
11:00 am	<p><i>Exploring Mathematical Concepts Using a Scientific Calculator</i> A Hands-on Session on the Casio fx 991ES Scientific Calculator by Dr. Jonaki B Ghosh</p>
12:00 pm	LUNCH
1:00 pm	<p><i>Encouraging Learning by Discovery Through Lab Activities Via Mathematica</i> Lecture Demonstration by Dr. Jonaki B Ghosh</p>
2:00 pm	<p><i>Visualizing Mathematics in a Dynamic Geometry Environment Using Geometer's Sketchpad</i> Lecture Demonstration by Dr. Preeti Tripathi, Reader, Central Institute of Education, Delhi University</p>
3:00 pm	Valedictory Session

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12th – 13th May 2006

LIST OF PARTICIPANTS

S.No	Name of School	Name of teachers	Contact No.(personal)
1.	Blue Bell's School	Ms.Sanghamitra Bhattacharya Ms. Kiran Pundir	
2.	Jindal Modern School	Ms. Kanwar Neel Kamal Mr. Naresh Jindal Ms. Meenakshi Joshi	
3.	Modern School, Barakhamba Rd.	Ms. Anuradha Bahi Ms. Sonika Jain Ms. Seema Gupta	
4.	Pathways World School	Mr. D Jayaseelan Ms. Joydeepanjali	
5.	Apeejay School, Noida	Ms. Urmila Raina	
6.	Springdales School, Dhaura Kuan	Ms. Preeti Mehra Mr. P K Sharma	
7.	St. Columba's School,	Ms. Sangeeta Chandra	
8.	Frank Anthony Public School	Ms. S Thomas	
9.	Bhatnagar International School	Ms. Sita Shukla Ms. Sheela Khandelwal	
10.	Army Public School, Dhaura Kuan	Ms. Anupama Mahajan Ms. A Casius	
11.	St. Paul's School	Ms. Shailja Sharma	
12.	K R Mangalam World School	Ms.Ranjana Patni Ms. Vinati Ms. Ritika Ms. Charu	

13.	G D Goenka World School		
14.	Amity International School, Noida	M.K. Gianey	
15.	Sanskriti School	Ms. Sangeeta Gulati Ms. Sakshi Balbani	
16.	Ramjas School	Ms. Shashi Hans	
17.	Navy Children School	Ms. M Kakkar	
18.	The British School	Ms. Sandhya Kumar Ms. Prabha Iyer	
19.	St. Mary's School	Ms. Lizy Jacob Ms. K A Thomas	



DPS Workshop View

Date : 18th May 2005

