

**Homi Bhabha Centre for Science Education, TIFR, Mumbai &
RMSA, GCERT, Gujarat**
jointly organizes a
Module Development workshop for Science & Mathematics Teachers
on October 17-18, 2016 at HBCSE, Mumbai

Time	Science	Mathematics
Day 1: October 17th 2016, Monday		
08:00 – 09:00	Registration and Breakfast (Outside Auditorium) – Mr. Karun Hambir	
09:00 – 09:30	Inauguration (Auditorium) – Prof. Sugra Chunawala	
09:30 – 11:00	Nature of Science Prof. Sugra Chunawala (G2)	Pedagogic Content Knowledge in Mathematics Education Ms. Shweta Naik (G1)
11:00 – 11:30	Tea Break (Outside G1 and G2)	
11:30 – 01:30	Students' difficulties about Chemical Science Ms. Swapna Narvekar and Dr. Ankush Gupta (G2)	Understanding nature of Mathematics Prof. K. Subramaniam (G1)
01:30 – 02:30	Lunch (NIUS Canteen)	
02:30 – 04:30	Physics Experimentations Mr. Vinod Sonawane, Ms. Varsha Pawar and Ms. Trupti Adangale (Integrated Laboratory)	Activities in Mathematics Ms. Tuba Khan and Ms. Harita Raval (G1 and Mathematics Laboratory)
04:30 – 05:00	Tea Break (Outside G1 and G2)	
05:00 – 06:00	Students' Difficulties about Light Dr. Paresh Joshi (G2)	Interesting Problems for the Classroom Dr. Prithwiji De (G1)
06:00 – 06:30	Visit to Mathematics Laboratory (119)	
Day 2: October 18th 2016, Tuesday		
08:00 – 09:00	Activity-based General Science Mr. Vinod Sonawane (G2)	Students' conceptions of Rational numbers Ms. Shweta Naik and Ms. Tuba Khan (G1)
09:00 – 10:30	Constructivism in Science and Mathematics Education Prof. Hemchandra Pradhan (Auditorium)	
10:30 – 11:00	Tea Break (Outside Auditorium)	
11:00 – 12:00	Newton's Laws of Motion Prof. Arvind Kumar (G2)	Using Contexts, Models and Representations in Teaching Prof. K. Subramaniam (G1)
12:00 – 01:30	Activity session on Biological Sciences Mr. Karun Hambir, Ms. Varsha Pawar and Namrata Sonavane (Integrated Laboratory)	Activities in Geometry Mr. Durga Prasad and Ms. Harita Raval (G1)
01:30 – 02:30	Lunch (NIUS canteen)	
02:30 – 03:30	Group work and presentation of the lessons (G2)	Group work and presentation of the mini- module (G1)
03:30 – 04:00	Valedictory & Feedback (Auditorium)	
04:00 – 04:30	Tea Break (Outside Auditorium)	

Venues: Auditorium, G1 and G2 (main building), Integrated Laboratory (main building), Mathematics Laboratory (main building), Publications section (main building), NIUS Canteen (NIUS)