

**HOMI BHABHA CENTRE FOR SCIENCE EDUCATION (TIFR)
V. N. Purav Marg, Mankhurd, Mumbai - 400088, INDIA**

High School Teachers Workshop on “Procedural Understanding in Physics”

September 10 - 12, 2009

TIME TABLE

Date and Day	Time (Hrs)	Programme
September 10, 2009 (Thursday)	9:30 – 10:10	Registration
	10:10 – 10:20	Welcome (Prof. H. C. Pradhan, Director, HBCSE)
	10:20 – 11:00	Introduction to the Workshop (RBK)
	11:00 – 11:15	Tea / Coffee Break
	11:15 – 12:00	Training in Experimental Physics - (RBK)
	12:00 – 13:00	What is Procedural Understanding? - (RBK)
	13:00 – 14:00	Lunch Break
	14:00 – 15:15	Laboratory Activity Session 1 (<i>in the Olympiad Building</i>)
	15:15 – 15:30	Tea / Coffee Break
	15:30 – 16:45	The Exploratory Approach - (CKD)
	16:45 – 17:15	Analysis and Design Session
	17:15 – 17:30	Mechanics (Session 1 - RBK)
17:30 – 17:45	Evening Snacks / Tea / Coffee	
September 11, 2009 (Friday)	10:00 – 11:15	Optics (Session 1 - PKD)
	11:15 – 11:45	Tea / Coffee Break and Group Photograph
	11:45 – 13:00	Mechanics (Session 2 - VSK)
	13:00 – 14:00	Lunch Break
	14:00 – 15:30	Laboratory Activity Session 2 (<i>in the Olympiad Building</i>)
	15:30 – 15:45	Tea / Coffee Break
	15:45 – 16:45	Design and Development Session 1
	16:45 – 17:15	Discussion and Presentation Session 1
	17:15 – 17:30	Electric Current and Circuits (Session 1 - RBK)
17:30 – 17:45	Evening Snacks / Tea / Coffee	
September 12, 2009 (Saturday)	10:00 – 11:00	Electric Current and Circuits (Session 2 - AKP)
	11:00 – 11:30	Optics (Session 2 - MKU)
	11:30 – 11:45	Tea / Coffee Break
	11:45 – 13:00	Design and Development Session 2
	13:00 – 14:00	Lunch Break
	14:00 – 15:15	Discussion and Presentation Session 2
	15:15 – 15:30	Tea / Coffee Break
	15:30 – 16:30	Final Presentation Session
	16:30 – 17:00	Concluding Remarks and Feedback Session
	17:00 – 17:30	Valedictory Session and Distribution of Certificates (Prof. Jayashree Ramadas, Dean, HBCSE Faculty)
	17:30 – 17:45	Evening Snacks Tea / Coffee

List of Resource Persons

- 1) Dr. Rajesh B. Khaparde (RBK) - HBCSE, Mumbai
- 2) Prof. A. K. Pansare (AKP) - HBCSE, Mumbai
- 3) Ms. Malvika K. Upadhyay (MKU) - HBCSE, Mumbai
- 4) Ms. Sonal Y Kadam (SYK) - HBCSE, Mumbai
- 5) Mr. Piyush Manavar, (PM) - HBCSE, Mumbai
- 6) Prof. C. K. Desai (CKD) - MKCL, Pune
- 7) Prof. P. K. Dasgupta (PKD) - Siddharth College, Mumbai
- 8) Prof. V. S. Katdare (VSK) - D. G. Ruparel College, Mumbai
- 9) Mr. Dhruva Bhattacharjee (DB) - BARC, Mumbai