

There shall have a maximum of 11 groups. Each group shall have one PGT teacher and two motivated class XI students. It shall be a three day workshop 23, 24, 25 Dec. Considering Delhi winter we shall start at 10:00 AM and finish at 3.30 PM. From 10:00 AM to 1:00 PM. there shall be hands on experimental session. From 2:00 PM to 2.45 PM we shall ask the teachers to mark their students as per the marking scheme. from 2.45 PM to 3.30 PM there will be discussion with a resource person on the experiment and marking scheme. We shall have five resource teams. Each resource person shall control at most two experiments.

Sl No	Experiment	Day 1	Day 2	Day 3
1	Speed of Ultrasonic waves in water(APhO2014 Singapore)	Gp.C	Gp K	Gp G
2	Friction (APhO2012 India)	E	B	C
3	Air Core transformers (APhO 2012 India)	F	C	A
4	Air Core transformers (APhO 2012 India)	G	D	B
5	Oscillation of water filled vessel (APhO2010 Thailand)	I	F	J
6	Earth's Horizontal Magnetic Field (APhO2010 Thailand)	H	E	K
7	Physics of windmill (APhO 2013, Indonesia)	D	A	H
8	Measurement of liquid conductivity (APhO2007 Shanghai)	J	H	I
9	PZT Piezoelectric Effect and Application (APhO 2015 Hangzhou)	K	G	F
10	Diffraction due to helical structure (IPhO2015 India)	A	I	D
11	Diffraction due to helical structure (IPhO2015 India)	B	J	E

Teachers shall be exposed to these higher order experiments and also to marking schemes that assess the multidimensional skills required for experiments. The idea is to create a resource team and spread the idea so that at a later date recommendations can be made to CBSE etc.

Resource Team: Prof. M.L.Ogalapurkar Expt. 1, Expt. 8
 Prof. J. Gadre Expt. 2, Expt. 3, Expt. 4
 Dr. Bhupati Chakraborty / Dr. Manish Kapoor Expt. 10 and Expt. 11
 Dr. Deepak Chandra Expt.7
 Mr. H.Pandey Expt.9
 Mrs. Pragya Nopani Expt.5 and Expt 6
 Prof. Vijay Singh, Dr.Ravi S. Bhattacharjee, Dr. P. R. Singh
 Overall Observers : Dr. Suraj Prakash, Mr. U. P. Singh
 Co-ordinator: Arun Lohani (9650224321)