

**Homi Bhabha Centre for Science Education
Tata Institute of Fundamental Research
Chemistry Olympiad Exposure Camp -November 21 to 24, November 2019**

| Date | Time | Session |
|----------------------|---|--|
| 21/11/19 Thursday | 9:30 - 10:30 am 10.30 - 10:45 am 11.00 am - 1:00 pm 1.00 - 2.00 pm 2.00 - 2.30 pm 2:30 pm - 4:30 pm <i>(with tea break in between)</i> 4.30 pm - 5.30 pm | Brief Introduction to Chemistry Olympiad–(AM) Tea Break Theory Problem Solving Session 1 (SK) Lunch Break Pre-Lab Discussion (Expt 1: Synthesis of an antibacterial compound) - (IDS) Lab Session (Expt 1) (IDS, SM, KS, MS) Post Lab Discussion of Expt. 1 (IDS) |
| 22/11/19 Friday | 9:00 - 10:30 am 10:30 -10:45 am 10.45 am – 12.30 pm 12.30 - 1:30 pm 1:30 – 3.00 pm 3.00 – 3.15 pm 3.15 – 5.30 pm | Understanding our conceptions in acids and bases and Pre-Lab Discussion (Expt 2: Analysis of an abrasive sample) - (AG) Tea Break Lab Session: Expt 2 (SMN, IDS, KS, SM, MS) Lunch Break Process Oriented Guided Inquiry Learning (POGIL) approach - Electrophilic Aromatic substitution (LR and SAL) Tea break Concepts in chemical bonding and atomic structure (SKG) |
| 23/11/19 Saturday | 9.30 - 11:00 am 11:00 – 11:15 am 11:15 – 1:00 pm 1:00 – 2.00 pm 2:00 pm to 5.30 pm | Post Lab Discussion of Expt. 2 (AG) Tea Break Discussion on Experimental Pedagogy (AG) Lunch break Theory Problem Solving Session 2 - Cont. (AG) |
| 24/11/19 Sunday | 9:30 – 10:30 am 10:30 – 10:45 am 10:45 – 11:30 am 12:30 pm onwards | Using MCQs for understanding misconceptions (AG) Tea Break Quality learning Resources for Chemistry Teaching online – (IDS) TIFR visit |

Venue:

G1, Olympiad Building
Homi Bhabha Centre for Science Education, (TIFR)

Resource Persons

SK: Sujata Kale, *formerly*, Abasaheb Garware College, Pune LR: Lakshmy Ravishankar, KET Vaze College, Mumbai
SKG: Swapan K Ghosh, UM-DAE CEBS, Mumbai
SMN: Swapna M. Narvekar, *formerly* HBCSE

Members from HBCSE- AM: Anwesh Mazumdar AG: Ankush Gupta SAL: Savita Ladage,
KS: Krupa Subramanian SM: Shreyank Mandavkar MS: Mursaleen Shaikh IDS: Indrani Das Sen