

## Vigyan Pratibha Teacher's Workshop, HBCSE

Jan 8-11, 2019

### Day 1 (Jan 8)

- 9:30-10:15 Introductory session (Auditorium)  
10:15-11:00 Aspects for Quality Learning in Science, Dr. Reema Mani (Auditorium)  
11:30-13:00 Chemical Ecology by Dr. Shannon Olsson, NCBS (TIFR), Bangalore (Auditorium)  
14:00-16:00 Basic skills\*  
16:15-17:15 Pedagogical Content Knowledge -Dr. Arvind Kumar (Auditorium)

### Day 2 (Jan 9)

- 9:30 – 11:00 LU1-part 1#  
11:30 – 1:00 LU2-Part 1  
14:00 – 15:30 History of Indian Mathematics, Dr. Ramasubramaniam, IITB (Auditorium)  
15:45- 17:15 LU3-part 1

### Day 3 (Jan 10)

- 9:30 – 11:00 LU1-part 2  
11:30 – 1:00 LU3-Part2  
2:00 – 3:30 LU4-Part 1  
3:45-5:15 LU2-part 2

### Day 4 (Jan 11)

- 9:30 – 11:00 LU4-part 2  
11:30 – 1:00 Learning Astronomy by Role play- TV Venkateshwaran, Vigyan Prasar (106, NIUS)  
2:00 – 3:30 Feedback and Closing (Auditorium)

#### \*Basic Skills:

- 1) Assembling Telescopes (Pritesh, Pranay) NIUS Terrace
- 2) Chemical Microscopy and volume measurement (Chitra, Krupa) Integrated Lab, MB
- 3) Geogebra (Aaloka), 101 NIUS
- 4) Qualitative Observations (Ankush, Adarsh), G1, MB

#### #Schedule of Learning Units (LUs) Sessions

Groups	LU1	LU2	LU3	LU4
M1	Soil - 101, MB	Parallax, 106 NIUS	Know your rice, G1 MB	How z got its name, G2 MB
M2	Estimation , G1 MB	Euclid's game, 119	Konigsberg Map, 119 MB	Music, G1 MB
M3	Nutrition, 217 MB	Osmosis, 101, MB	Ash, 205 OB	Bridges, 119 MB
M4	Parallel Lines, 119 MB	Running, G1, MB	Making Campus Maps, G1 OB	Patterns in square numbers, 217 MB