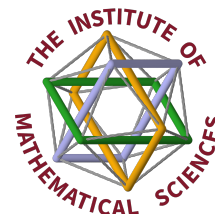# Summer School Students Workshop
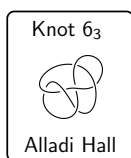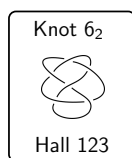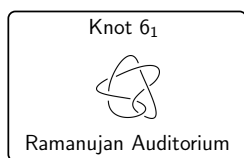
The Institute of Mathematical Sciences, Chennai

Tuesday, 8th May – Thursday, 17th May 2018

THE INSTITUTE OF MATHEMATICAL SCIENCES

	Tuesday 8th May	Wednesday 9th May	Thursday 10th May	Friday 11th May		Monday 14th May	Tuesday 15th May	Wednesday 16th May	Thursday 17th May
09:00	Registration & Introductions	5 6	9 8	11 0		13	17 14	Student Projects / Student Projects	Student Presentations
10:30	Snacks	Snacks	Snacks	Snacks		Snacks	Snacks	Snacks	Snacks
11:00	1 2	7 1	6 5	2 3		12 15	18	15 17	Student Presentations
12:30	Lunch	Lunch	Lunch	Lunch		Lunch	Lunch	Lunch	Lunch
13:30	3 4	8 7	4 10	10 12		16 11	14 16	19	H
14:30	Snacks	Snacks	Snacks	Snacks		Snacks	Snacks	Snacks	Snacks
15:00	A	B	C	D		E	F	G	Quiz the Scientist
16:00	Snacks	Snacks	Snacks	Snacks		Snacks	Snacks	Snacks	Snacks

Key:

Knot 6_1 — Ramanujan Auditorium	Knot 6_2 — Hall 123	Knot 6_3 — Alladi Hall

Registration & Introductions	Indumathi, Aparna & Varuni

A	Comets	Kamal Lodaya
B	Flatland	Movie based on Edwin A. Abbott's "Flatland"
C	Reseources for projects	K. A. Chandrashekar et. al.
D	Spin and Swing	R. Shankar
E	Incremental Algorithm Design	C. Pandu Rangan (IITM)
F	The Private Life of Plants	BBC documentary by David Attenborough
G	Scales	TBA
H	Classified Information	Madhusudhan Raman

Student Projects	Chandrashekar, Anantha & Varuni
Student Presentations	
Quiz the Scientist	

1	Daytime Astronomy	Varuni & Kamal
2	Optical Trickery	Aparna
3	Dice games	Chandrashekar
4	Symphony of Hues	Pavitra & SreeVidya
5	Center of Mass	Semanti
6	Card Fixing	Anantha & Oorna
7	Cornstarch Quicksand	Ajjath & Pooja
8	Foldscope Assembly	Varuni & Sushmita
9	Making your own Math	Ramanujam & Jayashree
10	Telling time with the Sun	Varuni & Kamal
11	Leaning tower of scales	Anantha
12	Experimentation	Indumathi
13	On the average – what is it!	Murthy & Indumathi
14	From answers to questions	Ramanujam
15	When is Noon Highest?	Varuni & Vijay
16	Pollen Diversity	Varuni & Sushmita
17	Connecting Dots	Digjoy
18	Toys	Arvind Gupta
19	How to prove, and why	Ramanujam