



Cheenta Non Routine Physics Program

Level 2



cheenta.com

since 2010

Passion for Mathematical Science

This program is useful for introducing children to Physical Sciences and Astronomy using problem solving and virtual labwork. It lays the foundation for Physics Olympiads, and engineering entrances.

Success Stories since 2010



Aryan Kalia

Top 1% globally in American Math Competition,

Attended Math Olympiad Program and School Research Program at cheenta

Attended Student internship program at cheenta

Going to Harvard University in 2022



Sambuddha Majumdar

Scotland Math Olympiad Awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

University of Edinburgh



Anushka Aggarwal

Youngest Indian National Math Olympiad awardee, European Girls Math Olympiad awardee

Attended Math Olympiad Program at cheenta

Attended Student internship program at cheenta

Going to MIT (Massachusetts Institute of Technology) in 2022



Akshaj Kadaveru

American Math Competition, AIME and USAJMO awardee

Attended Math Olympiad Program at cheenta

MIT (Massachusetts Institute of Technology)

Curriculum driven by problem solving



96 weeks program, 16 modules

Mechanics



Mechanics Pre Calculus

8 weeks



Mechanics - Rotational - 1

7 weeks



Kinematics Motion in a Plane

5 weeks



Mechanics - Many Particles Physics

5 weeks



Newton Laws Introduction

7 weeks



Gravitation

5 weeks



Application of Newton laws

6 weeks



Simple Harmonic Motion

6 weeks

Curriculum

Mechanics



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Simple Harmonic Motion

6 weeks

Curriculum driven by problem solving

Non-Mechanics



Electrostatics

7 weeks



Heat and Thermodynamics

7 weeks



Electricity and magnetism

7 weeks



Fluid Mechanics

8 weeks



Optics

8 weeks



Surface Tension

7 weeks



Properties of bulk matter

8 weeks



Wave Motion

8 weeks



Seeds of Calculus and Trigonometry



48 + Experiments

Taught by Olympians and Researchers from leading universities

Since 2010 Cheenta has evolved into a Gurukul. Our students have attended leading universities in India such as Indian Statistical Institute, Chennai Mathematical Institute, TIFR, IITs and universities abroad such as Harvard, MIT, Oxford, Edinburgh to name a few. Some of them returned as teachers for the next generation of learners. And the pursuit of excellence continues.



**Cheenta Team has 40+ members.
Here are some of the leaders.**



Srijit Mukherjee

BStat and MStat from Indian
Statistical Institute (India)
Director at Cheenta



Dr. Ashani Dasgupta

PhD from University of
Wisconsin-Milwaukee (USA)
Founder - Director at Cheenta



Tanumoy Banerjee

Bachelor of Science (Hons) in
Physics from Delhi University
Assistant Physics Faculty at
Cheenta

Contest Calendar for beautiful problem solving

Cheenta students think of Physics contests as **milestones**. The end goal of the program is to fall in love with physics and develop great problem solving skills. Milestones help us to stay in track.

Not all physics contests are equal. Here is a list of contests that are suitable and most effective at this level of learning.

Our success centre will keep you updated about registration deadlines of these contests and other opportunities



**National Standard
Examination in Physics
(NSEP)**



**Kishore Vaigyanik
Protsahan Yojana
(KVPY)**



**Indian National
Physics Olympiad
(InPhO)**



**Engineering
entrances like IIT JEE**

Thank You

Passion for Mathematical Science

Let us know if you need more information.



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