

Dear Parent,

Sciensation spreads research culture amongst schools and colleges. Like MOOCs, Sciensation tries to spread the best academic practices from universities like MIT/Harvard/IISERs, by moving the focus/agenda from content to process and from knowledge to insights/wisdom. This letter provides a comprehensive explanation of the programme philosophy and implementation.

Our students develop a very strong intuition around concepts of Mathematics, which is palpable- one can see their confidence. Our AfterSchool students performed a skit on Differential Calculus, which was led by a 6th grader, who had a fear of Mathematics earlier. Sciensation has validated the fact that everybody can do Mathematics and that you do not require special genes or talent to do well at Mathematics.

Sciensation offers after-school classes which help in understanding Mathematics from the first principles, to be able to appreciate the underlying philosophy embedded in the concepts. The student experiences the joy or may be an Archimedean Eureka moment of an idea/concept. We provide intuitive and real world examples to help the child in appreciating the concepts.

While we are walking into an Artificial Intelligence age, we believe that future careers would require ability to come up with technological models and business models around the futuristic technological models. This probably reinforces the importance of Philosophy and Mathematics. This is the fundamental differentiator between our Young Researchers Club and our Tuitions.

| Feynman Level | Hardy Level | Polya Level | Ramanujan Level | Steve Jobs Level |
|----------------------|--|--|------------------------|-------------------------------|
| Grades III- V | Grades VI - VIII | Grades IX, X | Grades XI, XII | Grades XI, XII |
| Intro to Abstraction | Intro to second layer abstract objects | Intro to multi concept problem solving | Test-Prep (IITJEE/SAT) | Prep for Ivy League B-Schools |

Learning Outcomes

- Academic enhancement- sustainable appreciation of curricular mathematics concepts (the child won't forget the concepts after finishing his/her exams)
- Exam Temperament/Competitive Exams – students are coached to deal with pressure effectively, through case-studies of big match performers (exams as well as sports).
- Career/Life Skills- Communication (Oral/Written/Dialogue), Interpersonal skills, Strategy.
- Invoking Intellectual/Cerebral faculties – the programme methodology ensures that students are made to think, before they learn a concept. This helps them evolve as thinkers.

Fee Details*:

Sciensation Tuitions Maths + Science: Rs 3000/month, 3days a week + Home Assessment

Sciensation YRC Critical Thinking: Rs2200/month, 1day/week, Socratic Dialogue training

Sciensation YRC Mathematics: Rs4000/month, 2days a week + Home Assessment

Sciensation YRC Maths + 2nd subject: Rs 5500/month, 3days a week + Home Assessment

Sciensation YRC Four subjects: Rs7500/month, 5days a week, Maths/Science/English/IT

*- part scholarships to deserving students who'd require financial assistance and full scholarships to be awarded to students from socio-economically disadvantaged backgrounds

Sciensation Pedagogy at a glance

- Feynman Technique (Elon Musk uses it) or "thinking through first principles"
- Socratic Dialogue & Proof Writing (from long division method to Calculus, we prove them all)
- Polya Methods of Teaching Problem Solving, Heuristics based approach
- Toy Example Technique and Problem Reduction

| | Tuitions | Young Researchers Club |
|---|----------|------------------------|
| School Syllabus | Yes | Yes |
| Assessments | Yes | Yes |
| Academics- Report Cards | Yes | Yes |
| Competitive Exam Guidance, HOTs | Yes | Yes |
| Monthly Dialogues | No | Yes |
| Philosophy of Math | No | Yes |
| Real life applications of Math | No | Yes |
| Life-skills/ Career-skills | No | Yes |
| Design Thinking Projects | No | Yes |
| Holistic Learning Report with ADI score | No | Yes |
| Personalized review of Student's rough work | No | Yes |

The Tuitions are aimed at short term academic enhancement while the YRC programme couples test-taking with real and sustainable learning, by bringing best academic practices including Socratic Dialogue, Feynman Technique etc.

We'd be happy to offer a couple of demo-sessions and we usually encourage parents to sit through the sessions to experience the Pedagogy first hand. We have enclosed a worksheet to help you understand Sciensation approach better.

www.sciensation.tv/pdf/Class9DivisionOfPolynomials.pdf

www.sciensation.tv/pdf/Class11TrigonometricFunctions.pdf

<http://www.sciensation.tv/pdf/Class6IntroductionAlgebra.pdf>

<http://www.sciensation.tv/pdf/Class7Exponents.pdf>