

PRAVAHA

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MATH.BIZ 2024



Information Brochure

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BROCHURE

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About Raising A Mathematician Foundation (RAM)

RAM is a not-for-profit organization that promotes mathematics education nationwide through various initiatives. From its flagship residential math camp called Raising A Mathematician Training Program ([RAM TP](#)) to annual camps like [Epsilon India](#) and All Girls Math Nurture Camp ([AG MNC](#)) and workshops on modules such as application of mathematics in finance, economics, computer science, and physics, RAM focuses on making mathematics appealing for gifted students and the general public. Additionally, RAM offers Math Olympiad Training Programs (MOTP 1 and MOTP 2) that provide year-round training for students aiming to participate in International Math Olympiads.

About Pravaha Foundation

Pravaha Foundation is a non-profit organization dedicated to promoting social development in India through education and collaboration. With the support of Mytrah Energy, Pravaha brings together various stakeholders to tackle development issues at scale. The foundation's focus is on gifted and talented education, working with leading educational, social development, and policy and research partners. Pravaha's aim is to identify and nurture gifted children, providing them with the resources they need to reach their full potential and become future leaders, scientists, artists, and sportspersons.

What is Math.Biz?

Math.Biz aims to showcase a unique aspect of Mathematics not typically taught in schools. The program incorporates principles from finance, economics, business, and management and connects them to high school level mathematical concepts.

General Info

Math.Biz operates differently from traditional educational systems by focusing on nourishment to the mind over grades. The program encourages students to take intellectual risks and explore new ideas, and it places an emphasis on critical thinking and inquiry. Instead of just learning mathematical concepts, students are encouraged to question their relevance and applicability in real-world fields like economics, finance, accounting, and operations management. This unique approach provides students with a deeper understanding of mathematics and how it can be applied in various industries.

Highlights of the program

Math.Biz program offers several key benefits for students, including:

1. Enhanced comprehension of high school mathematics and its practical use in the business industry.
2. Opportunities to learn from and engage with renowned faculty in the field.
3. Building a community of like-minded students who can exchange knowledge, provide support, and inspire each other toward their shared interests.

Access to insightful guest lectures from experienced professionals in the industry, providing valuable real-world perspectives on the applications of mathematics in business.

By participating in Math.Biz, students will gain a deeper understanding of high school mathematics and its role in the business world, while also developing critical thinking skills and connecting with a network of peers and experts in the field.

Concepts covered

Batch A covers topics such as:

- The basics of risk and volatility
- Financial mathematics including present value, future value, annuities, compounding, and elasticity of demand
- The relationship between average revenue, marginal revenue, and economic order quantity

Batch B focuses on:

- The connection between real return, nominal return, and inflation
- Techniques for minimizing risk in investments and maximizing profit
- Analysing real-world data and understanding the 'rule of 72'
- Portfolio management and cost-volume-profit analysis
- Advanced mathematical concepts applied to finance, accounting, and economics
- Cost functions and continuous compounding using the concept of 'e'

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Important Information

Target audience:

Math.Biz is designed for students in grades 9 to 12 who have a strong interest in mathematics and finance. The program also welcomes students who have completed grades 8 and 12 but have not yet started college.

Selection process:

The selection process is competitive and up to 100 students will be selected (both batches together) for the program.

Program dates:

June 11th to June 21st, 2024.

Venue:

Residential Camp at Mahindra University, Hyderabad.

Important dates:

- Application deadline: March 20th, 2024
- Application Fee: INR 250
- Selection test (Online): March 31st, 2024
- Results: April 10, 2024

Selection test:

To be considered for Math.Biz, students must take an entrance test which will consist of 20 objective and 2 subjective questions to be completed within 2 hours.

Application fees:

Students who are interested in applying to Math.Biz can do so by paying an application fee of INR 250. The application will not be considered complete until the payment has been received.

Course fee:

Free.

How to register:

Application Deadline:

Interested students should submit their applications for Math.Biz on or before March 20th, 2024, through the website www.raisingamathematician.com.



FAQ

Frequently Asked Questions

1. What is Math.Biz?

Math.Biz is a 11-day residential program at Mahindra University, Hyderabad. It is a program designed to teach high school students how mathematical concepts from finance, economics, business, and accounting can be applied using high school mathematics (algebra, geometry) and statistics.

2. How many students will be attending Math.Biz?

The final selection of around 100 students will be made by a committee based on the results of an entrance test. Decisions made by the committee are final and no further negotiations will be considered.

3. What Is the basis of selection for Math.Biz?

The students are selected based on their performance in the selection test and the decision of the selection committee is final and cannot be disputed.

4. What is the objective of this training program?

The aim of Math.Biz is to provide students with a unique opportunity to see the application of mathematical concepts in fields like finance, economics, accounting, and management, promoting interdisciplinary learning.

5. What does a typical day of a student at training program look like?

The daily schedule begins at 7 am with adequate rest periods, and the sessions end before dinner. The program consists of approximately 4 hours of formal sessions and 2 hours of tutorials, featuring guest lectures from prominent speakers, esteemed professors, or industry experts.

6. How do I apply for this program?

The student must complete their application by filling out an online form and making a payment of INR 250 through the website to be considered for the program.

7. Is application fee waiver available?

Yes, based on financial need with endorsement from the applicant's schoolteacher. To request, student must email contact@raisingamathematician.com with reason for request for waiver.

8. What is the cost of the program?

The program is offered free of cost for selected students. We believe these students have potential to impact the world and deserve support to participate in such programs.

9. How is the program offered for free?

The program is made possible by generous contributions from Pravaha Foundation and Mahindra University. If you wish to support nurturing mathematical talents, you can do via https://pages.razorpay.com/pl_Dhr0L0ISfDycbb/view or contact us at contact@raisingamathematician.com.

10. When will the selection test take place?

March 31st, 2024 is the date of the selection test. Further information will be sent to applicants via email and also posted on the website.


11. Can we join the program after the start date or leave before it ends?

Joining after June 11th, 2024 or leaving before the valedictory ceremony on June 21st, 2024 is not allowed.

12. How to support RAM Foundation?

To donate, click [here](#).

For any specific donation, write to contact@raisingamathematician.com



**GOOD
LUCK!**

**FROM TEAM
MATH.BIZ 2024**