

"Pure mathematics is, in its way, the poetry of logical ideas."



Capacity Building Programme on Innovative Approaches to Mathematics

Modern Barakhamba hosted a Capacity Building Programme on Friday, 27th December 2024, designed to redefine mathematics education through innovative, interactive, and research-driven teaching methodologies. The workshop focused on addressing math anxiety, enhancing conceptual understanding, and equipping educators with effective pedagogical strategies.

What is New At Modern

1. Capacity Building Program on Innovative Approaches to Mathematics

2. La Martiniere MUN

3. Football Girls U-17 Tournament

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The session commenced with an address by Dr Vijay Datta, Principal, Modern Barakhamba, who shed light on the psychological barriers that contribute to phobia. emphasized He math the supportive learning of importance a environment and the role of creative instructional approaches in making mathematics engaging more and accessible.

This was followed by an insightful session led by Mrs Sangeeta Gulati, Head of Mathematics at Sanskriti School, New Delhi, and recipient of the National Award for Utilizing ICT in Teaching (2016). A Google Education Certified Innovator and Trainer, she demonstrated the integration



of digital tools such as GeoGebra and Desmos, illustrating their potential in enhancing student engagement and conceptual clarity.

The workshop then divided into parallel sessions tailored for different grade levels.

- For senior secondary teachers (Classes 9-12), Mr Lalit Sharma (PGT, Mathematics, Modern Barakhamba) conducted a session on research-driven teaching approaches. He explored advanced topics such as Matrices, Determinants, and Calculus, while also presenting his research on the Quotient Matrix and Inverse of a Singular Matrix.
- The subsequent segment was facilitated by Mrs Simarpan Kaur, who began with an icebreaker activity, where participants introduced themselves using mathematical symbols. She addressed the roots of math anxiety, advocating for a growth mindset and the strategic introduction of new concepts. Through a constructivist approach, she incorporated hands-on activities such as games, quizzes, and math lab exercises, aligned with the Classes 9 and 10 curriculum.

Without mathematics, there's nothing you can do. Everything around you is mathematics. Everything around you is numbers.

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- Simultaneously, middle school educators (Classes 6-8) attended a session conducted by Mrs Kanchan Gambhir, focusing on alleviating math phobia through interactive learning methods. Engaging activities such as "Math Pictionary" and "Form Your Own Math Game" were introduced to make mathematical concepts more approachable. The session concluded with the distribution of resource handouts and a discussion on practical implementation strategies.
- The workshop proved to be a transformative experience, equipping educators with innovative tools to enhance mathematics instruction. It concluded with a vote of thanks from the MIE team, acknowledging the enthusiasm and active participation of all attendees.

ACCOLADES FOR MODERN SCHOOL AT THE LA MARTINIERE COLLEGE MUN, LUCKNOW: THE VOICE OF DIPLOMACY

• Modern School, Barakhamba Road participated in La Martiniere MUN from 8-10 November 2024 with great zeal and enthusiasm. 18 students deliberated on diverse and pressing issues being faced by citizens all over the world, with committees ranging from historical wars to the global position in the next 30 years. Under the guidance of Ms Sonia Kapoor, students excelled in every committee as follows:

COMMITTEE	PARTICIPANT	AWARD
Ad Hoc Committee	Aryan Pratap Singh	Best Delegate
Council of Teutonic Order	Parth Satija	Best Delegate
UNHRC	Ria Devika Bhasin	High Commendation
UNECLAC	Divij Wahi	High Commendation
UNHRC	Amaira Jain	Special Mention
UNECLAC	Yash Mittal	Special Mention
Bandung Conference	Manav Gupta	Special Mention
Clandestine Assembly	Tanmaye Shagotra	Special Mention
UNSC	Ahana Sinha	Special Mention
UNSC	Sia Gupta	Special Mention
Antarctic Treaty System	Arhaan Gupta(S6G)	Special Mention
Antarctic Treaty System	Zara Vickers(S5B)	Special Mention
US House of Representatives	Moksha Kochhar(S5B)	Special Mention

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 Aryan Pratap Singh (S7H), Parth Satija (S6A) and Divij Wahi (S6G) were also selected for the Fleury Martin Crisis and were awarded medallions for their achievement. Nergis Malhotra (S6I) and Zaina Sethi (S5F) were appreciated by the school for their exemplary performance in their respective committees. The conference was a great learning experience for the students.

MODERN BARAKHMABA GIRLS' FOOTBALL TEAM TRIUMPHS AT THE ZONE-26 U-17 FOOTBALL TOURNAMENT

- The Girls' Football Team of Modern Barakhamba secured the championship title at the Zone-26 U-17 Football Tournament, held at Kohat Enclave, Pitampura. Displaying exceptional skill, determination, and teamwork, the team delivered an outstanding performance, emerging victorious in the highly competitive tournament.
- The winning squad comprised Navya Sirohi (S7H), Divya Chaudhary (S7G), Vanshika Taneja (S7H), Aarnya Arora (S6I), Stanzin Lhadon (S6B), Manassvi Rani (S5D), Hemlata (S5F), Tarini Sibal (S5F), Ira Gupta (S4C), and Ahana Sharma (S4A). Their strategic gameplay, resilience, and unwavering spirit were instrumental in securing the title.
- The victory stands as a testament to the team's dedication and perseverance, reflecting the school's commitment to excellence in sports.

"The beautiful thing about learning is that no one can take it away from you."

COMPILED BY – MS SONIKA JAIN

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SUPERVISED BY – MS LATA KISHNANI