

Report

School Collaboration and Outreach Program-SAHYOG

Workshop- Vedic Maths Tricks

Department of Elementary Education in collaboration with Department of Mathematics conducted a workshop on “Vedic Maths Tricks” under School Collaboration and Outreach Program-SAHYOG. It was conducted on 12th December 2022 at Sri Guru Harkrishan Khalsa Girls Senior Secondary School. The speaker for the workshop were Dr. Ramita Sahni, Assistant Professor, Department of Mathematics and two students of B.Sc.(H) Mathematics (III year) Ameen Mehta and Swasti Bharadwaj. Aashi Rajput from B.Sc.(H) Mathematics (III year) also assisted in this workshop.

The objective of the talk was specifically to introduce the basic concepts of Vedic Mathematics amongst the students and how to execute arithmetic operations quickly and more efficiently avoiding silly mistakes, rough work and finger counting. Vedic Mathematics is the collection of these ancient tricks and techniques which was revived by an Indian Mathematician Shri Bharati Krishna Tirthaji between 1911 and 1918. It comprises of 16 sutras (formulae) and 13 sub sutras.

Dr. Ramita Sahni briefed about Vedic Mathematics and its importance in day-to-day life. In addition to this, Ameen Mehta explained the tricks used for multiplication of two-digit numbers and three-digit numbers using 'Urdhva Triyagbhyam' and the techniques of calculating the square of a number using "Yavadunam" method. Furthermore, Swasti Bharadwaj described few techniques of calculating the cube of a number using "Anurupyena" method. Lastly, a worksheet was provided to the students where they applied all the tricks and techniques.

Around 40 students of 7th / 8th standard and 3 school teachers participated in this workshop. They participated in full enthusiasm and found the workshop beneficial and interesting. Dr. Manisha Subba and Dr. Ravneet Kaur, from B. El. Ed Department also attended the workshop.