

REPORT

JOYFUL TEACHING AND LEARNING OF MATHEMATICS - CBSE

Math has been the foundation of many of our scientific and technological discoveries. However, it evokes emotions ranging from dislike, anxiety, to outright fear among children. In order to help children cope with such feelings, Capacity Building Programme for teachers, named 'Joyful teaching and learning of Mathematics' was conducted on the occasion of Pi Approximation Day on 22nd July 2023, at DPS, sector 45, Gurgaon. The resource person for the event was Ms. Ishita Mukherjee. The workshop was attended by the teachers of 26 participating schools.

The session started with a short discussion on pi and its evolution. During the workshop, Ms. Ishita Mukherjee, CBSE Master Trainer, highlighted different Mathematical competencies like reasoning and argument, mathematicising, representation, mathematical communication and strategic thinking. She also discussed how to transform a real-world problem into a mathematical problem. Teachers were then asked to frame a word problem based on real life situation. The session continued with the presentation on developing ideas to motivate students through joyful activities, such as discovering, exploring, constructing, designing and solving problems that are wrapped in mathematical games, puzzles and hands-on activities. This was demonstrated through various activities like 'Tarsia puzzles,' Tangram puzzles, pattern formation etc.

The workshop aimed at making the process of learning more interesting and effective by devising methods to engage students in meaningful activities and empowering teachers with appropriate pedagogy and educational tools to achieve the same.

