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## MATH SKETCH

### AIM:

To foster teamwork, creativity and communicate through mathematical objects.

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### GENERAL GUIDELINES:

This event has two rounds one preliminary round and one main round.

### ELIGIBILITY:

- There will be two categories of students 9-10 and 11-12.
  - For each category, only one team ( exactly three members ) from a particular school can participate.
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### GUIDANCE FOR PRELIMINARY ROUND:

- There will be questions for twenty marks which will include mathematical puzzles and questions.
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### GUIDANCE FOR MAIN ROUND:

There are two rounds.

- Dumb charades
- math sketch

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**DUMB CHARADES:**

- There will be a mathematical term given to the player who has to act. He has to act without speaking, using gestures and body language only.
- No other kind of clue-giving like letter by letter will not be permitted and the other two players have to guess it within the time-bound.

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**MATH SKETCH:**

- At the beginning of each round, one team member secretly receives an object, without facing the team members he has to start giving the instructions.
- The second member will be guided by the first one only through mathematical shapes and terms. Verbal clues should strictly revolve around geometric figures such as circles, cubes, rectangles, and more.
- The "Object Holder" (first member) cannot use any words related to the actual object. The second member translates the mathematical clues into a visual representation.
- The "Guesser" (third member) observes the mathematical sketch and must conclude the object it represents. No additional clues or questions are allowed during this phase.

**Example:**

Suppose the given object is a cup and saucer, the first player should convey, "A right circular cylinder with a flat circular base, attached with a semi-circular arc on one side of the cylinder. Below the flat circular surface, draw a flat circular disk." By listening to this, the second person draws the diagram. The third player has to guess the sketch after observing the diagram.

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**Note:**

Further instructions will be provided at the time of the event.

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