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Society Activity Report 2019-20

Mathematics Society

-Workshops, Lectures, and symposiums:

TALK - Breaking Cognitive Barriers with Arithmetic

Date – 03/09/2019

No. Of Participants- 63

Description

The talk titled 'Breaking Cognitive Barriers with Arithmetic' was delivered by Neelkantha Bhanu Prakash (St. Stephen's College, B.Sc. (Hons) Mathematics 3rd Year). It helped the students learn about fast arithmetic computation, and the concept of multitasking along with live demonstration by the speaker.

The speaker holds the record of being world's fastest human calculator and demonstrated commendable skills.

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PROFESSOR SB MATHUR LECTURE SERIES

Day 1- Workshop

Date – 16/10/2019

No. Of participants- 37

Description

The workshop was headed by Dr. Monika Arora (Assistant Professor, Department of Mathematics, IIIT Delhi). It helped students learn about SPSS statistical software which is widely used for analysis. The participants were required to bring their own laptop for seeing the working of the software.

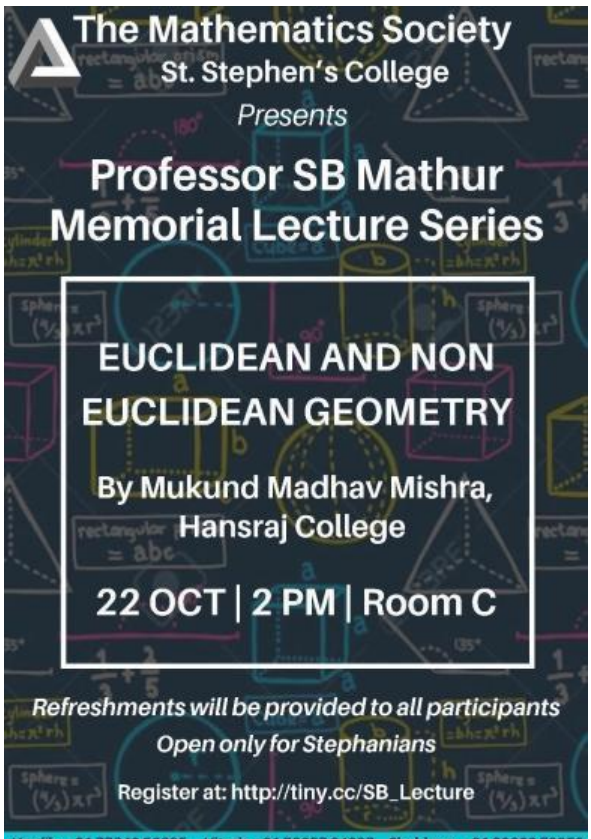
Day 2 – Lecture

Date – 22/10/2019

No. Of participants- 60

Description

A Lecture was conducted on the topic 'Euclidean and non - Euclidean Geometry' by Dr. Mukund Madhav Mishra (Assistant Professor, Department of Mathematics, Hansraj College). It aimed at broadening the concepts of students about non - Euclidean geometry, in order to visualise things in a non planar world.



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SYMPOSIUM

Date- 20/03/2020 and 21/03/2020

'Symposium on Algebra, Analysis and Mathematical Modelling: Focus on Women in Mathematics' aimed at promoting research among budding mathematicians. It consisted of a series of lecture and a panel discussion on 'Challenges and Opportunities in Mathematics' stretched over a period of 2 days. The speakers for the lectures were:

S.NO.	NAME OF THE SPEAKER	NAME OF INSTITUTE	EVENT/LECTURE
1.	Professor Riddhi Shah	JNU	Inaugural Ceremony
2.	Professor Parvin Sinclair	TIFR, Mumbai	Inaugural Ceremony
3.	Professor Vijaylaxmi Trivedi	TIFR, Mumbai	Inaugural lecture
4.	Professor Ranjana Jain	University of Delhi	Analysis
5.	Dr. Tanvi Jain	ISI, Delhi	Analysis
6.	Professor Vandana Khaitan	University of Delhi	Operational research
7.	Professor Shobha Bhagai	Cluster Innovation Center, University of Delhi	Mathematical Modelling
8.	Dr. Amala Bhave	JNU	Algebra
9.	Dr. Maya Saran	Ashoka University	Algebra
10.	Dr. Haneet Gandhi	Department of Education, University of Delhi	Panel discussion
11.	Dr. Sneha Chaubey	IIIT Delhi	Panel discussion
12.	Dr. Priyanka Grover	Shiv Nadar University	Panel discussion

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The Mathematics Department
in association with
The Mathematics Society
St. Stephen's College
University of Delhi
Presents

Symposium on 'Algebra, Analysis and Mathematical Modelling with Focus on Women in Mathematics'

20th - 21st March 2020

Speakers

- **Prof. Vijaylaxmi Trivedi**
  Department of Mathematics
  Tata Institute for Fundamental Research, Mumbai
- **Prof. Shobha Bagai**
  Cluster Innovation Center
  University of Delhi
- **Dr. Tanvi Jain**
  Theoretical Statistics and Mathematics Unit
  Indian Statistical Institute, Delhi
- **Dr. Maya Saran**
  Department of Mathematics
  Ashoka University
- **Dr. Ranjana Jain**
  Department of Mathematics
  University of Delhi
- **Dr. Vandana Khaitan**
  Department of Operational Reaearch
  University of Delhi
- **Prof. Geetha Venkataraman**
  Professor of Mathematics
  School of Liberal Studies
  Ambedkar University, Delhi

1/2

Registration Details

- Undergraduate students from second year onwards are eligible to participate
- The candidates are required to submit their CV and a Letter of Reccomendation (LOR) which will form the basis of the selection criteria
- Interested candidates can register at- https://tinyurl.com/wjsj462

Convener: Dr. Jaspreet Kaur
Contact: +91 99998 46605

For any queries contact:
Shubham: +91 80063 79959 Hitesh: +91 70657 04907

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The symposium could not be conducted due to the unfortunate spread of COVID-19.

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SYMPOSIUM ON 'ANALYSIS, ALGEBRA AND MATHEMATICAL MODELING WITH FOCUS ON WOMEN IN MATHEMATICS'

Organised by

THE MATHEMATICS DEPARTMENT
In association with
THE MATHEMATICS SOCIETY
St. Stephen's College, University of Delhi

20TH, 21ST MARCH 2020

INAUGURAL CEREMONY & INAUGURAL LECTURE

BY

PROF. VIJAYLAXMI TRIVEDI

DEPARTMENT OF MATHEMATICS
TATA INSTITUTE OF FUNDAMENTAL RESEARCH
MUMBAI

Date : 20th March 2020
Venue: Seminar Room, St. Stephen's College
Time: 9:00 AM

For any queries contact:
Eshita: +91 9818450502 Naomi: +91 87553 97597

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WEBINAR

Date – 19/05/2020

No. Of Participants- 70

Description

It was conducted to promote research in mathematics among women. It consisted of a documentary screening followed by a discussion. The title of the documentary was, “Secrets of the Surfaces: The Mathematical Vision of Maryam Mirzakhani “. The discussion was headed by two panellists Professor Riddhi Shah (Department of Mathematics, JNU) and Professor Geetha Venkataraman (Ambedkar University, Delhi) . The discussion made the students aware of the challenges faced by women mathematicians, their solution and the contribution of various women mathematicians.

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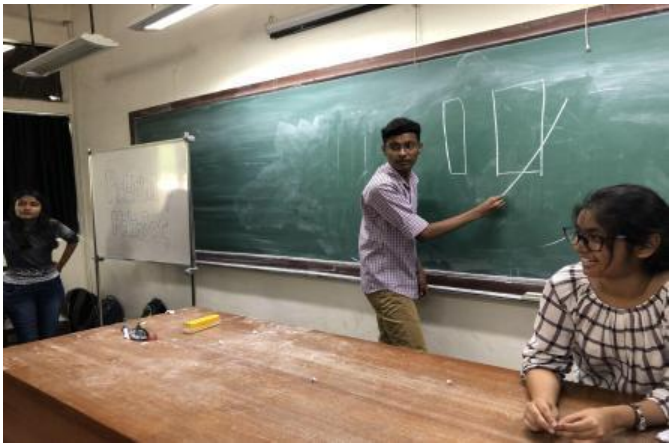
PICTIONARY

Date – 20/08/2019

No. Of Participants- 83

Description

The aim of Pictionary was to test mathematical perspective with respect to relating real-life objects and geometrical figures. One of the team members is blindfolded and describes an object/word using mathematical figures. The other team member draws the object and try to guess the word/object, the drawing is intended to represent. The event saw participation from various courses including History and English.



TREASURE HUNT

Date – 26/09/2019

No. Of Participants – 556

Description

It was held as an open event in which the participants were required to solve a chain of clues which are based on logical reasoning, aptitude with a bit of mathematics. The team was required to decode all clues correctly in minimum possible time.

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GRIPHOMANIA

Date – 03/10/2019

No. Of Participants – 80

Description

It was held as a closed event which allowed participants to test their puzzle solving skills. It included different forms of puzzles like sudoku, kakuro, slitherlink, and also brain teasers that tested both mathematical and logical skills. In two subsequent qualifying rounds, the team solving the most questions correctly wins.

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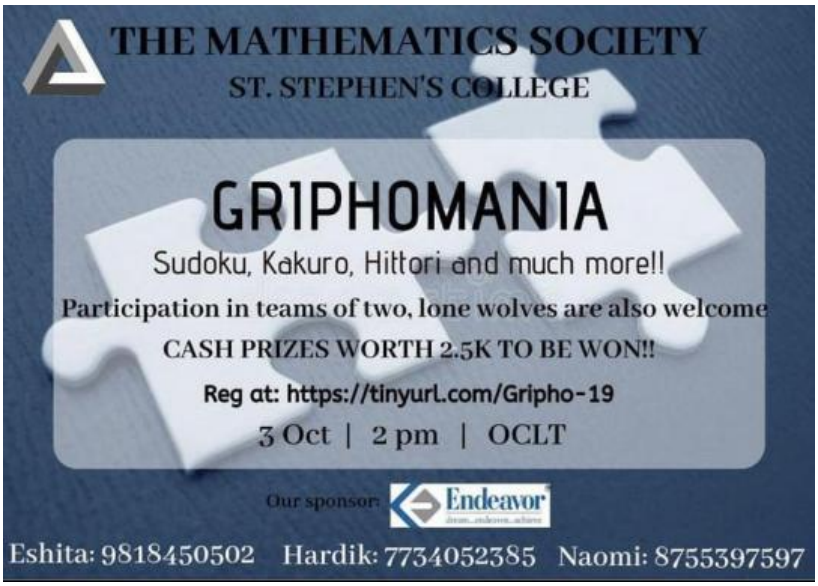


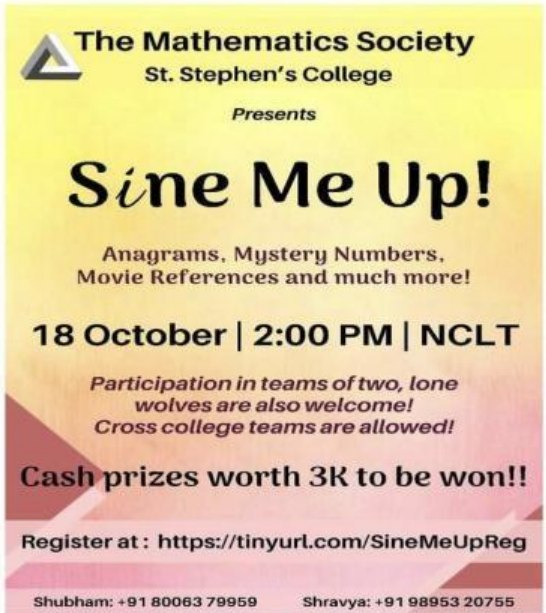
SINE ME UP

Date – 18/10/2019

No. Of participants – 105

Description

The event aimed to test the interpretation skills of the participants. Participants were subjected to some simple statements, titles and anagrams with a Mathematical twist and were asked to interpret their possible meaning(s) in simple language.



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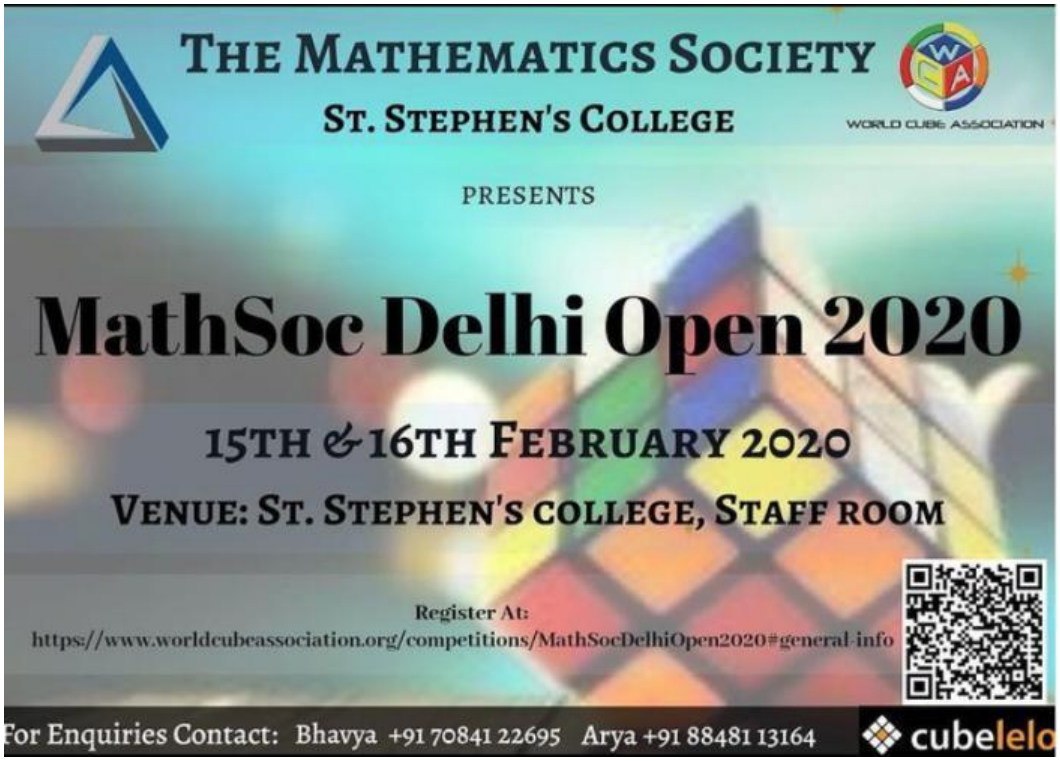
MATHSOC OPEN

Date – 15/02/2020 and 16/02/2020

No. Of Participants- 118

Description

Mathsoc Delhi open is an event organised by the society in collaboration with the World Cube Association every year with an attempt to provide a national level platform to potential Cubers, giving them an opportunity to showcase their skills. It deals with various sorts of cube including blindfolds, pyramix along with others, with an age ranging from 5 to 20 years old. We witness records being broken and new ones being made just in a fraction of seconds.



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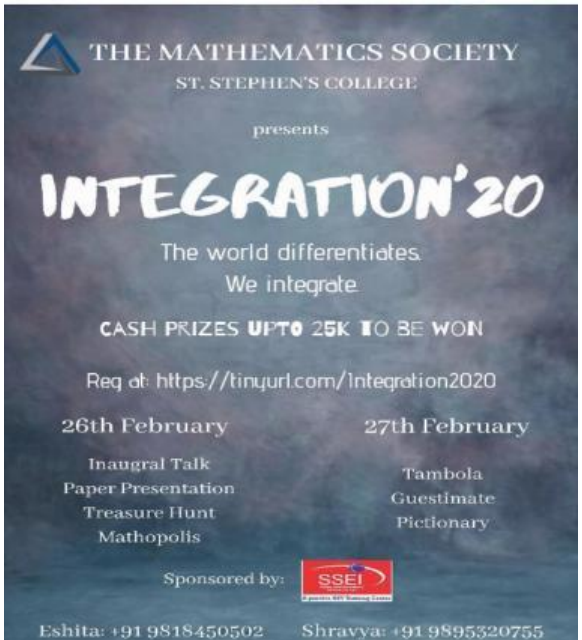
INTEGRATION (Annual Fest)

Date – 26/02/2020 and 27/02/2020

No. Of Participants - 117



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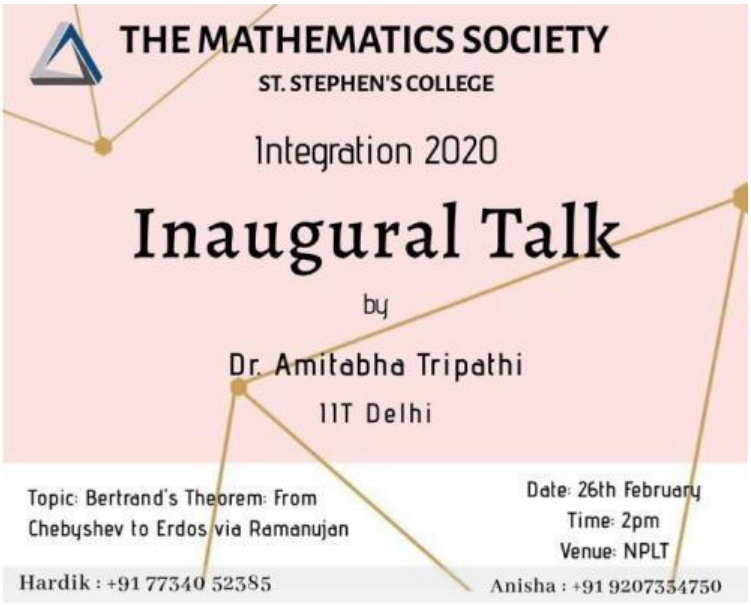
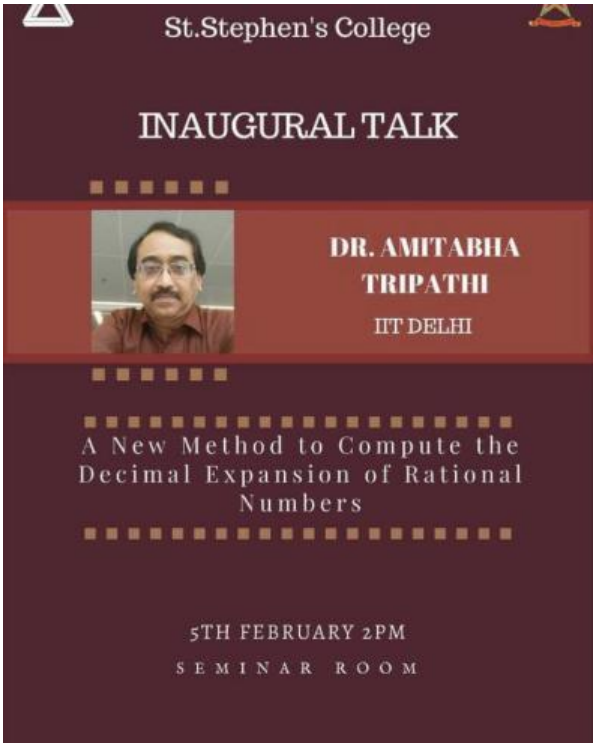
Events

Inaugural Talk – The inaugural talk for Integration 2020 was delivered by Dr. Amitabha Tripathi (IIT Delhi) on the topic, 'Bertrand's Theorem: From Chebyshev to Erdos via Ramanujan'. It was focussed on the sequence of prime numbers and their properties.





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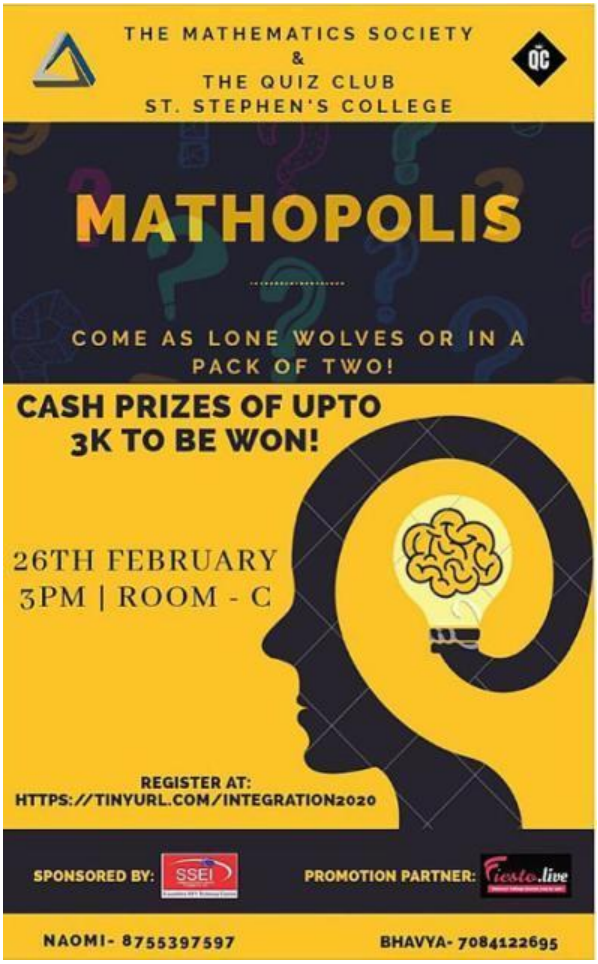
Paper Presentation - It invites people from all across the college to present a paper in front of a panel of professors from the Maths department of our college. The panel chooses the best papers among the contestants. It is followed by a discussion between professors, audience and the participants.

Treasure Hunt – This event is held in the same way as the Treasure Hunt in September. It aims to test one's quick thinking, logical approach and ability to solve equations.

Mathopolis- It is a quiz on everything related with the subject of mathematics. This event aimed to test one's knowledge of mathematics and challenge the memory.



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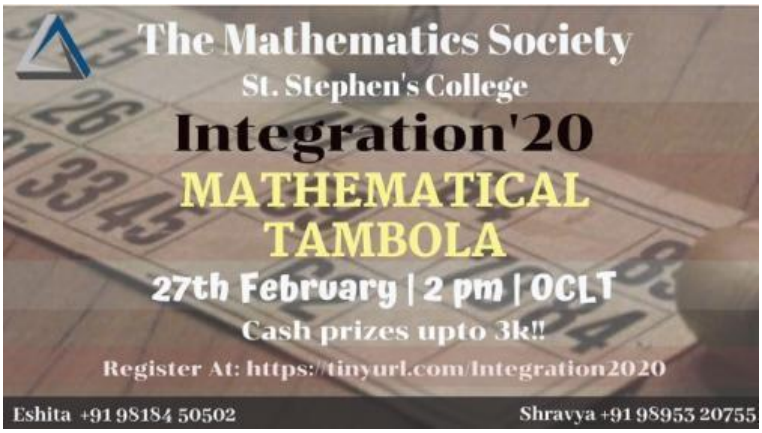
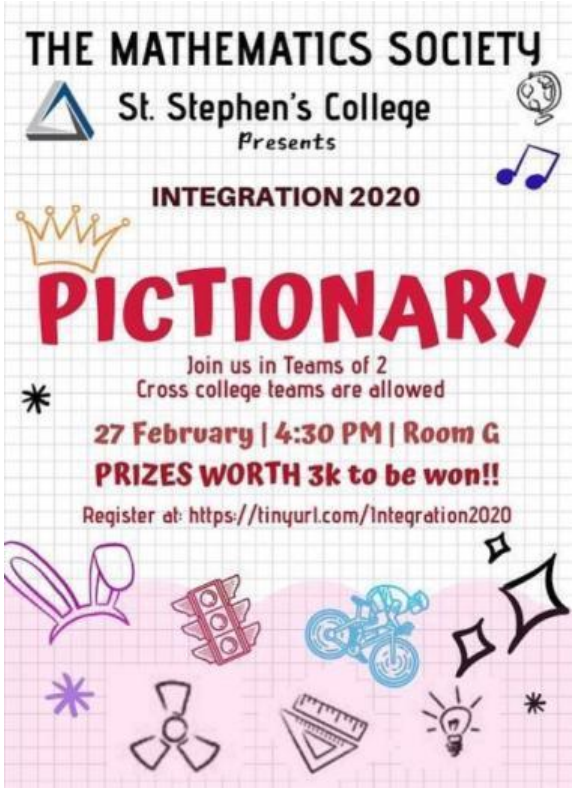
Mathematical Tambola -



Pictionary -



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Guesstimate -