

Math Clubs A & B for Grades 4-6 (Online)

Class Information

September 21, 2025

Welcome to the Clubs at SchoolNova!

Instructor Information

Instructor: Vibha Mane

Email: mane@schoolnova.org

General Information

The Club is intended for children in Grades 4-6. The goal of the club is to kindle enthusiasm in Mathematics for young children and develop creative problem-solving skills. We will participate in the MathCON competition, and study some cool math topics, such as Codes and Ciphers, Probability and Combinatorics.

Activities

There will be a total of **25 classes** for the year. This is 5 classes less than the total number of SchoolNova classes. The number of classes for each activity is summarized below. A detailed schedule is posted separately.

- Writing the MathCON Contest: 1 class
- MathCON Practice: 13 classes
- AMC Practice: 4 classes
- Math Project & Presentation: 3 classes. Some topics are:
 - Codes and Ciphers
 - Conway's Game of Life
 - Fun Probability
 - Ramsey Theory
- The remaining 4 classes will be for Games & Movies.

Cost for Students

There is some material fee as posted on the SchoolNova site.

Homework

Students practice the contests in class and at home, as indicated in the schedule. Projects and games will be done during class and occasionally assigned for homework. Students should have a notebook to log their work.

Math Competitions

- We will participate in the MathCON Competition. The contest will be held during the Club. Detailed information on this is posted in a separate document.

Class Format

- **Google Classroom:** Students will receive an invitation to join the Google classroom. All the necessary class material and announcements will be posted here.
- **Zoom Classes:** Our classes will be held online via Zoom. A link to the class will be posted in the Google classroom and sent to the students/parents.

Google Classroom

Each student will receive an invitation to join the Google Classroom. The invitation will be sent to the students' SchoolNova email. Parents can help the student find their email and password by logging into their family account on the SchoolNova website.

Zoom Information

If you are new to Zoom, please go to [Zoom.us](https://zoom.us) and sign up for free. Then download an app to your device from the Download Center.

Please make sure that the student is equipped with a working webcam and a microphone. Headphones, with a mic, are highly recommended for the quality of sound during the class. Student should have a notebook (or paper) and pen/pencil to write during class.

Resources

Some of the resources utilized for the club are listed below:

- *Math Contests, Grades 4, 5 & 6*, published by Math League Press.
- *Mathematicians Are People, Too*, Luetta Reimer and Wilbert Reimer, Dale Seymour Publications, 1994.
- *The Story of Mathematics: From Ancient Babylon to the Last Unsolved Problems*, Ian Stewart, Quercus Publishing, 2007.
- *The Colossal Book of Mathematics: Classic Puzzles, Paradoxes and Problems*, Martin Gardner, W. W. Norton & Company, 2001.