

Math Clubs 5 Class Information

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Welcome to Math Clubs 5 at SchoolNova!

Instructor Information

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General Information

The Club is intended for children in Grades 5-6. 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 **26 classes** for the year. This is 3 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: 16 classes
- Math Kangaroo Practice: 1 class
- Math Project & Presentation: 5 classes. Some topics are:
 - Codes and Ciphers
 - Conway's Game of Life
 - Fun Probability
 - Ramsey Theory
- The remaining 3 classes will be for Games & Movies.

Cost to 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

- **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:** Students will receive an invitation to join the Google classroom. All the necessary class material and announcements will be posted here. A separate document on how to join the Google classroom is posted.

Zoom Information

If you are new to Zoom, please go to Zoom.us and sign up for free. Then download an app to your device from the Download Center. You can also join a test meeting to familiarize yourself with Zoom prior to our scheduled class.

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. Working remotely makes all of us dependent on a fast and reliable internet connection. If the connection malfunctions, either for the student or the teacher, we will communicate via email or Google classroom, to try and reconnect.

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.