Math Club 3 Class Information

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Welcome to Math Club 3 at SchoolNova!

Instructor Information

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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 MOEMS Math Olympiad, 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. The number of classes for each activity is summarized below. A detailed schedule is posted separately.

- Writing the MOEMS Math Olympiad: 5 classes
- Math Olympiad Practice: 8 classes
- Math Battles and Math Kangaroo Practice – 2 classes
- In the remaining 10 classes, we will cover three units; some possible topics are indicated below.
    - Codes and Ciphers
    - Conway's Game of Life
    - Fun Probability
    - Games and Movies

Fees

The total fees for attending the Club is $130. Of this $65 will be collected in September, and another $65 will be collected in January. This will cover the resources used for the Club, some snacks, registration for the Math Olympiad and prizes.

Homework

There will be no regular homework posted. Projects and games will be done in class, and occasionally assigned for homework. Please bring in a notebook to log your work. Math Olympiad practice problems will be handed out in class.

Math Competitions

- We will participate in the MOEMS Math Olympiad, which will be held in-class during the Club. Detailed information on this will be posted separately.
- We will do some practice Math Kangaroo, prior to the competition.

Class Policies

Parents are welcome to attend the class. Please be quiet and take a seat at the back of the class.

Resources

Some of the resources used are listed below:

Math Olympiad Contest Problems for Elementary and Middle School, by Dr. George Lenchner, Glenwood Publications, 1997.

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.