

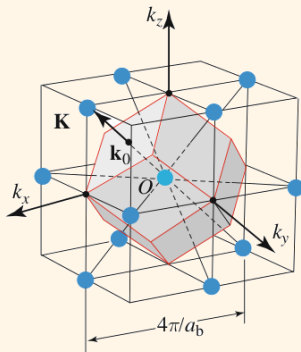
Are you interested in math and puzzles?



Math Club

will be a discussion and learning environment for novel techniques and problem solving in mathematics, particularly algebra and trigonometry and the link between them. This club will be good preparation for the American Mathematics Competitions (AMC) 10/12; for those students who choose to take it. The AMC is focused on deep understanding and knowledge of *pre-calculus* concepts, which will be the club's focus in the first semester. There will be discussion and tutoring regarding geometry, trigonometry, and algebra.

We will be having fun by solving mathematical puzzles and exploring creative and inventive solutions in this club!



In the second semester, we plan to broach a wider array of mathematics, applications, and possibly more advanced level concepts (calculus and beyond...) Any student who is interested is welcome!

Please contact Mrs. Ugalde if you would like to join this club.

Contact Information

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<http://www.optics.arizona.edu/asl>

Details

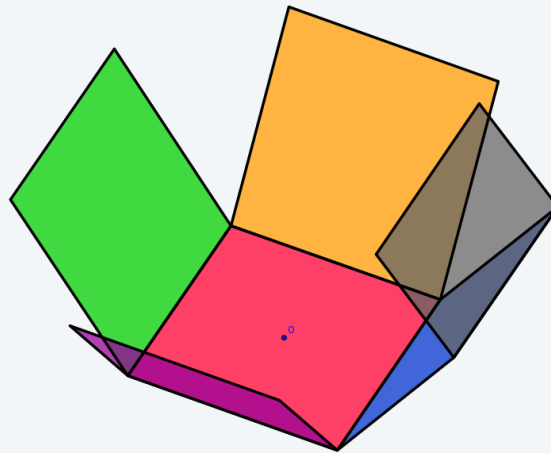
This club seeks to impart an intuition about mathematics to students so that they may do well in mathematics without excessive memorization of equations and algorithms. A welcome side effect of this intuition is the creation of mathematical thinking.

In the first semester, we will focus on the following:

- ▶ General mathematical solution techniques and intuition.
- ▶ Understanding of non-traditional and interesting problems in geometry, algebra, and trigonometry and the links between the three areas.
- ▶ There will be some discussion of auxiliary concepts such as combinatorics, probability, and general proof techniques.

This focus will be accomplished by primarily solving and discussing problems from past AMC exams. For those students who would like to compete in the AMC 10/12, it is scheduled for the following dates:

- ▶ February 4, 2014
- ▶ February 19, 2014



The examinations are different, but of the same difficulty level. Students are allowed to take either, or both examinations, provided that both examinations are offered.

In the second semester, we will continue to focus on problem solving techniques, and mathematical intuition. We hope to discuss various topics in other areas of mathematics.

The learning and discussion will be driven by the curiosity of the students, and problems will be driven by questions and interests that the students have both individually and as a group.

The club will be meeting every week on Tuesdays at 3:30pm in room T374, with the first meeting September 3.