

# SKYLINE MATH CLUB

*Promoting mathematical knowledge & applications  
Nurturing excellence in mathematics*

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## Why Math Club?

- Fun, peer to peer problem solving environments
- Tutoring opportunities - tutor and/or be tutored
- Access to a variety of problem types and applications
- Competitive opportunities
- Community service and leadership opportunities

Advisor: H. Shim

President [07-08]: E. Shieh

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*“The first thing to understand is that mathematics is an art” – Paul Lockhart.*

This quote serves as a suitable cornerstone for the 2008-09 Skyline Math Club, the only club at Skyline that encourages solving probability problems using geometry, and measuring the dimensions of human body parts [although, preferably intact] in order to determine the aesthetically pleasing Golden Ratio. Only in math club, will students be encouraged to refer not to their textbooks but to their imaginations to determine the solution to a proof. Only in math club, will drawing doodles and adding extra lines to already needlessly complicated diagrams lead to an answer. Only in math club, will you be able to construct the pattern for a square drill [wait.. what?]. In math club, the definition of math as a subject and a course takes a back seat to the meaning of math as a hobby; an art form. Warning: in this upbeat, after-school environment, you may find yourself questioning the relationship between math and the rest of nature; and if you're really unlucky, you might just begin to have fun while doing math.

**Okay, enough with the flair and showing off. What exactly does math club offer me?**

Besides what has already been mentioned, math club allows students the opportunity to use the math skills they pick up in the classroom, and apply them in a variety of ways. Math club offers tutoring, which is done by club members and will count for community service hours. All students at Skyline, including those in the club, are eligible to receive the benefits of this tutoring. Math club volunteers will also have the opportunity to give lectures from a student's point of view on popular math topics, and receive community service hours in the process. We are also hoping to invite guest speakers to share their perspectives of math as both a hobby and an occupation.

Problem solving skills will be honed in math club, as this is our primary purpose. Many of these problems will require creative thinking and methods that aren't generally considered to be "textbook" methods. Last year's members found these problems to be very intriguing [in fact, so much that a silent group of students staring directly at something scribbled on a board or on a piece of paper for prolonged periods of time was not an uncommon sight!]. There's nothing quite like figuring out the beauty and logic that binds a math problem together once you've arrived at the situation. In fact, a close analogy to this type of math would be solving logic puzzles. Based on personal experience, improving problem solving skills are also a great way to raise your math grade in the classroom, as well.

Skyline math club will also be attending around 10-13 math competitions this year. Not only are these events a great opportunity to win prestigious awards worthy of a proud mention on the college application, competitions are a great way to socialize with students from other schools and have fun.

**Math Club meets on <Weekdays> from <Time>, and the first meeting will be on September <Date>, in <Classroom>.** If you have any further questions, please don't hesitate to contact Ms. Shim at [[<Email>](mailto:shim@wastudentmath.org)] or me at [[<Email>](mailto:shieh@wastudentmath.org)]. Thank you!!

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## Basic Information

**When:** [<Weekdays>](#) from 2:30-3:30

**Where:** [<Classroom>](#), Skyline High School

**Next Meeting:** September [<Date>](#)

## Basic Statistics

**Over forty members in attendance last year**

**Skyline attended nine competitions, regional, statewide, and nationwide last year**

**Skyline Math Club held an Ipod Accessories Fundraiser last year**

**Skyline Math Club members regularly tutoring for community service**

**Skyline Math Club won a total of 21 awards and recognitions last year**

## What to expect this year

**A multitude of competition and tutoring opportunities**

**A fun environment for problem solving**

**Movies, puzzles/logic games, mock contests, and pizza/snack parties**

**Fundraising Opportunities**

**End of Year Banquet**

**(New) Opportunities to reach out to elementary and middle school students**

**(New) Opportunities to work with the Washington Student Math Association**

**(wastudentmath.org)**

**(New) Access to math modeling software, textbooks, and magazines**

If you have any further questions, please don't hesitate to contact Ms. Shim at [[<email>](#)] or me at [[<email>](#)]. Thank you!!