

**ADVANCED PROBLEM SOLVING CLUB**  
**WELCOME LETTER**  
SEPTEMBER 23, 2018

Dear all: Welcome to the Advanced Problem Solving Club!  
Below is some information about the club, which was discussed at the first meeting.

GENERAL

The goal of the club is getting together HS students who enjoy challenging math problems and have fun solving these problems. We will be solving problems from various math Olympiads and competitions, discuss them, eat pizza, and occasionally have talks/lectures by faculty and students from the math department of Stony Brook University.

The club is intended for students in grades 9-12 (for grades up to 8 there are additional math clubs run by SchoolNova). It is a joint effort by SchoolNova and Stony Brook Math department. The organizer of the club is Alexander Kirillov, a SchoolNova teacher and professor of math department.

We will be meeting weekly on Sundays at 1pm in room Math P131 in the Math department. Pizza will be served!

COMPETITIONS

We plan on participating in the following competitions:

- AMC 10/12
- Harvard-MIT math tournament (<https://www.hmmt.co/>). This tournament is organized by Harvard and MIT students. It takes place in Boston; teams from different places come to Boston to compete with each other. We plan to go to the November one, which will take place on Nov 12.

Note that attending requires a trip to Boston, with an overnight stay — and some expenses. More details will be provided later.

FEES

The fee for attending the club is set at \$275 for current SchoolNova students and \$300 for everyone else. This covers the whole year of the club meetings (expected to be 25-30 meetings). If money is a problem, talk to Alexander Kirillov to discuss your options. This fee covers all competition registration fees and other expenses except travel to Boston for HMMT. This fee should be paid by check payable to SchoolNova.

In addition, we will collect money for pizza! I would ask everyone to bring \$50 (cash or check); this should cover the first several meetings. When we run out, we will collect more.

RESOURCES

Here are some resources/programs you might find useful:

- Art of Problem Solving (<http://www.artofproblemsolving.com/>). They have a repository of problems from various competitions, a very active discussion forum, and some online classes.
- MIT Primes program (<http://math.mit.edu/research/highschool/primes/>). This is a program of mentored research in mathematics for the best HS students. Most of the program is for students in Boston area; however, they also have PRIMES-USA program which is open to students from across the USA. They just started application process for this year; application deadline is Nov. 15.

CONTACT

All information/announcements will be posted on SchoolNova web page:  
[https://schoolnova.org/nova/classinfo?class\\_id=adv\\_math\\_club](https://schoolnova.org/nova/classinfo?class_id=adv_math_club)  
Please email Alexander Kirillov ([kirillov@schoolnova.org](mailto:kirillov@schoolnova.org)) with all questions!