

Pacific Trails Middle School Math League

Information Session

Mission Statement + Background

Statement: To establish and share a community for free, quality mathematical education.

Math League Classes

Math League Classes

- Divided into two levels, Intermediate and Advanced.
- The Intermediate Curriculum will be more similar to the school curriculum, and will generally have more challenging topics that build off the school curriculum.
- The Advanced Curriculum is more difficult, and will have more of a focus on competition math.
- **You can choose which class to attend.** Attendance is optional.
- For study purposes, you can find last year's material on the PTMS Math League website, under "Material."

Classes

- Mondays; 6pm-7pm for Intermediate, 7pm-8pm for Advanced
- Held online for Number Theory/Geometry lessons, otherwise in the PTMS MPR
- These classes will be taught by the student coaches.
- All the materials (slides and supplementary material) will be posted on the Google Classroom afterwards!

Contests

Contests

- We participate in the CAML, AMC 8, AMC 10 and MATHCOUNTS.
- The CAML will be administered online, on Tuesdays
- The AMC 8, AMC 10 and MATHCOUNTS will likely be held in-person.
- Anyone can take the CAML as long as they are a registered member of PTMS Math League.
- To take the AMC 8 and/or AMC 10, you will need to fill out another form and register separately (more instructions will come around the time of the contest).

AMC 10

- PTMS Math League will be hosting the AMC 10A and 10B this year.
- High-school level contest from the AMC Series
- Individual contest: 25 question, 75 minute multiple choice exam
- Sign up at bit.ly/ptmsamc10



Google Classroom Join Code (Students): **ylgdcp3**

MATHCOUNTS Contest Structure

School Round: Everyone can participate; held at PTMS → A group of top students goes on to compete at Chapter Rounds.

Chapter Round: Regional rounds are held at UCSD. The top 4 (or 5) teams and top individuals move on to State Rounds.

State Round: State rounds held at another University Campus. Top individuals advance to **nationals**, held in Orlando, Florida!

Goal: Continue success regionally and advance to State rounds.

MATHCOUNTS Contest Format

Sprint Round: 30 problems, 40 minutes (speed + accuracy)

Target Round: 8 problems, presented in 4 pairs of two. There will be 6 minutes/pair and calculators are allowed

Team Round: 4 person team, 10 questions, 20 minutes

Countdown: “Buzzer” competition for top individuals (not actually included in competition score)

MATHCOUNTS Team

- We send a 4-person team, 6 Individuals, 2 Alternates
- The MATHCOUNTS Team will be mainly determined by two team selection tests, one in November, the other in January. Weekly participation and scores from the CAML will be factored in as well.
- Being mathematically skilled is important, but we also want people who can work well with others. We will ask the school faculty to review possible candidates for the team.

Past MATHCOUNTS Performance

- 2017-2018
 - Chapter: 4th Place (First time making State!)
 - State: 5th Place
- 2018-2019
 - Chapter: 3rd Place
 - State: 2nd Place
- 2019-2020
 - Chapter: 2nd Place
 - State: Cancelled
- 2020-2021
 - Team Rounds were cancelled due to the online format, but 40% of the individuals who advanced to State were from PTMS.

Volunteering and Donations

Volunteering Clearance

- Under in-person circumstances, PTMS Math League relies on parent volunteers to proctor/grade exams, etc.
- Unlike previous years, in order to be able to volunteer for PTMS Math League, you need to be cleared by the district.
- To start the clearance, you need to fill out a form and email it to Mrs. Pierce, which can be found here:
<https://ptmsmathleague.weebly.com/contact--volunteer.html>
- For PTMS Math League to run smoothly, it's recommended that all parents go through the volunteer clearance process.

Volunteering

- Once you are cleared by the district, you will gain editing access to our Schedule Spreadsheet. To volunteer, type your name there. You can find the spreadsheet at: <https://ptmsmathleague.weebly.com/schedule.html>

2022-2023 Master Schedule

Competition days are marked in green.

For the non-highlighted lesson days, no volunteers are needed.

Interested Volunteers, please fill contact info below for the particular date.

Gray areas indicate that no more volunteers are needed.

Beginning of Year Events

August 8 New Student Orientation

Aug 23 Information Session

Meeting Dates Classes & Competitions

Tuesday CAML Dates (TBD)

Email Address

Email Address

Email Address

Email Address

Aug 29 Algebra I

Sep 12 Geometry I

Sep 19 Counting and Probability I

Sep 26 Countdown

Oct 3 Number Theory I

Oct 10 Algebra II

Oct 17 Geometry II

Oct 24 Counting and Probability II

October CAML 1

Oct 31 Number Theory II

Nov 7 MATHCOUNTS Team Selection

Nov 14 Algebra III

FALL BREAK

Nov 28 Geometry III

November CAML 2

Dec 5 Counting and Probability III

Donations

Math League operates largely on *your* donations. To donate, please **write a check to “PTMS PTSA” with a memo for “Math League”**. The PTSA has over 20 programs, so the memo is *very important*.

Students with actively-involved families will receive a minor preference in MATHCOUNTS team selection, such as in the event of a tiebreaker.

Registration

- To be added to the mailing list, please fill out the Registration Form. You can find the form on the PTMS Math League Website - just click the button that says “New/Returning Student Registration”
- We will be using Google Classroom to administer contests. If you are a student, please join Google Classroom with the join code **ylgdcp3**. You will need to use your SDUHSD school account.

Questions? Comments? Concerns?
