TYEE PTSA
COMPETITION MATH CLUB

2024-2025

Parent Information Night

OBJECTIVE

Tyee PTSA Competition Math Club aims to foster students' interest in math through preparing for and participating in math competitions.

We are open to **every** Tyee student, regardless of math level or capability.

Head Coaches

Alansha Jiang

- **Senior** at Newport High School
- **4th year** as a coach with TCMC
- **Newport Math Club President**
- **MOP 2024 Qualifier**

Mingyue Yang

- **Junior** at Interlake High School
- Part of the **MATHCOUNTS** 2022 Washington team, team placed 2nd.
- **MOP 2023 & 2024**

VOLUNTEERS

Co-Chairs:

- Carolyn Li
- Dongbin Xu, PhD
- Dora Yin, PhD
- Yan Zhou
- Jinchi Han

Coaches

- Aishwarya Agrawal
- Alansha Jiang*
- Aryan Agrawal
- Christine Zhang
- Daniel Ge
- Jeffrey Zhao
- Lucas Xue
- Matthias Kim
- Mingyue Yang*
- Ryan Zou
- Song Han Ngo
- Yilin Tong

(* Head coaches)

MEETINGS

- Most **Fridays, 5:15 - 6:45 PM** (check [math club calendar](#) for detailed information)

- Placement Exam: September 27th

- First meeting: October 18th

- Meetings will be conducted in person

CONTENT

- Relatively **unrelated to school math**; will not reteach traditional classroom content

- Main topics: Algebra, Geometry, Number Theory, Combinatorics

- Competition preparation: tips and tricks, mock exams

- Reference materials:
  - Problems from past competitions: Math Is Cool, MATHCOUNTS, AMC series, etc.

CLASSROOM FORMAT

- 6 classes
  - Students will take a placement test on **September 27th** to determine their class placement
  - Class assignments are not absolute
- Lecture and problems every week during meetings
- Weekly Homework

EXPECTATIONS

- School math level ≠ competition math level
- Content in classes will be challenging; ask questions when confused
- Participation in class, homework, and competitions
- **Students must respect and follow the requests of student coaches and volunteers.**

ADDITIONAL EXPECTATIONS

- Do not mess with the classroom!
- Make sure your students clean up before leaving!
- **Make sure students do not touch or take the stuff in classrooms!**

NEW WARNING POLICY

- If students disrupt the flow of the class, they will get a warning from a coach.
- Each warning is a letter home to a parent
- After three warnings, there are two options:
  - *The parent must be present for all future meetings*
  - *The student leaves TCMC*

COMPETITIONS

- AMC 10A: TBD (Early November)
- AMC 10B*: TBD (one week after 10A)
- AMC 8: 2/22 - 2/28/2025
- MATHCOUNTS
    - School Round: 12/6/24
    - Chapter Round (invitational): TBD
    - State Round (invitational): TBD
- AIME I: TBD (Early February)
- 3MT: TBD, MMT: TBD
- KPMT: 12/14/24
- I2MC: 10/19/24
- Math Is Cool Championships (MIC) & Masters (invitational): TBD
- Other Math Competitions host by local High Schools: TBD

*May not be offered at TCMC

NOTABLE MATHCOUNTS ACCOMPLISHMENTS (2023-24)

- **3rd Place** Chapter Team

- **4th Place** State Team

- **7** State Round Qualifiers

- **1st Place** State Individual

COMPETITION SIGNUPS

- MATHCOUNTS, AMC8 and AMC10 are individual.

- AMC8 and AMC10 signup will be open to Tyee non-TCMC students though a <u>different</u> registration links.

- Individuals and teams will be separate for other contest registration. Students are encouraged to form their own teams. **TCMC can help students find teams** if necessary.

6th GRADER Math is Cool Signup			
TEAM	MEMBER	STUDENT FULL NAME	Math at Tyee System
1	1		algebra 1
1	2		lmt2
1	3		lmt2
1	4		lmt2
2	1		IMT2
2	2		imt 2
2	3		imt1
2	4		
3	1		Geometry
3	2		Algebra 1
3	3		Algebra 1
3	4		lmt2
4	1		Algebra 1
4	2		Algebra 1
4	3		lmt2
4	4		lmt2
INDIVIDUALS			
		STUDENT NAME	Math at Tyee System
			lmt2

I2MC

- October 19th
- Signups open now!

PARENT INVOLVEMENT
(expect twice a year per student)

- Check and respond to math club emails in a **timely manner**

- **Volunteer** in classrooms

- **Cooperate** with TCMC in competition sign-ups

- Monitor/**Proctor students** during competitions

- **Other tasks** when required

REGISTRATION

- Club fee: $80 flat fee per student, scholarships available

- Online signups will be published in **TyeeTimes from 8:00 AM 9/14/24 through to 11:59 PM 9/18/24 OR <u>earlier when the max of 90 students are registered</u>**

- Contact <u>tyeemath@gmail.com</u> if any further questions

ACTIONS NEEDED & IMPORTANT DATES

- **9/14 ~ 9/18** – Registration will be open through TyeeTimes and be closed when the max of 90 students are registered

- **9/27** – 5:15-6:45pm - Placement Exam

- **10/11** – Class assignment available

- **10/18** – 5:15~6:45pm – First meeting day

QUESTIONS?

Any questions?

A problem for those who are bored:

The digit store sells digits for particular prices. 0 costs $0, 1 costs $1, 2 costs $2, and so on up to 9. You have $30 and can buy any combination of digits (you can buy multiple of the same digit). With the digits you buy, you form two numbers. Then, you multiply the numbers together and sell the product of the two back to the store (each 0 is still worth $0, 1 is worth $1, and so on). How much profit can you make?