

ICS Math Club Info Session

2023-2024 Academic Year

10/01/2023

ICS Math Club Basic Info

- Registration through website:
 - [Math Club \(icsptsa.org\)](http://icsptsa.org)
- Focus on coordination of participation to external math competitions
- No weekly meeting
- Cochairs
 - Ray Lin and Zhen Zhang
- Webmaster and advisor
 - Tao Cao
- PTSA VP of Activities Support
 - Lucia Liu
- Contact:
mathclub68@icsptsa.org

Math competitions 2023-2024

- Math Count
- Math is Cool
- Math Kangaroo

Math Count

- <https://www.mathcounts.org/>
- Sprint
 - Speed and accuracy, without calculator
- Target
 - Problem Solving and mathematical reasoning, assuming calculator
- Team
 - Problem solving and collaboration of 4 students per school
- Countdown
 - Speed and accuracy

Math Count Stages

- School
 - December or January
 - Top 12 students advance to Chapter
 - Top 4 represent school as the team
- Chapter
 - Early February, hold in Redmond, Microsoft last year
- State
 - March, hold in Seattle Downtown, Amazon last year
 - Top 4 students of each state advance to National competition
- National

Math Count Registration

- School based registration
- Students of Grades 6-8 compete and rank together
- Fee: \$30/student (Early bird rate by Nov 1st)
 - Fees covered by PTSA in the past

Math is Cool

- <https://academicsarecool.com/>
- Competition of Washington State
- Grades 6-8
 - Competitions are grouped by grades and course progress
 - Schools are grouped by divisions according to past performance
 - Larger group of participants
- Registration fee: \$60 per team of four
 - Covered by PTSA in the past

Math is Cool

- Content
 - Individual components:
 - Mental Math
 - Individual Test
 - Team components
 - Team Multiple Choice
 - Team Test
 - Triple Jump
 - College Bowl
- Teamwork is stressed
- Need to have teams of 4-6 students for practice

Math is Cool Stages

- Champion (Local)
 - Feb 10, 2024, Liberty High School
 - A team of four per grade per school advances to State
- State
 - April 27, 2024, Moses Lake High School
 - Overnight stay might be needed



Math Kangaroo at ICS

For grade 6-12

Why Math Kangaroo



- Largest annual International Olympiad in Mathematics
- 36,421 **K-12 students** in USA and over 600,000,000 in 100+ countries
- Improve their math and logic skills while boosting their confidence in the classroom.



Why Math Kangaroo (Cont.)

- Extra opportunities to high school participants who have ranked in the national top 20.
- These opportunities include volunteering in teaching, conducting workshops, developing test questions, joining the national math camp (usually national top 3), and more.
- This engagement empowers students to become mentors and leaders in the field of mathematics.

Time and Format



- Open to all ICS Students
- At ICS on March 21, 2024
- 75 Minute multiple choice individual test
- 30 Questions



How to Register

- Register your own account at <https://mathkangaroo.oasis-lms.com/Public/Catalog/Home.aspx>
- Log into your MK account and click BY INVITATION
- Input our private ICS specific invitation code – To be provided
- Enroll your students.



Fee

- The regular registration fee is \$21 until Dec 15. The late registration fee is \$35 between Dec 16 and Dec 31.
- There is no registration cancelation, or a refund offered after the registration.
- T-shirt and souvenir for all registered students
- Medals, ribbons, awards, and certificates for winners
- Math Kangaroo offers financial assistance to families in hardship; please contact finance@mathkangaroo.org to ask for assistance and provide appropriate proof of hardship.

Other Benefits



- First-ever Artificial Intelligence Math Kangaroo class. It is a FREE course we offer this Fall for all MK-enrolled students

Other Benefits



Catalog / Free AI powered Math Kangaroo - Grades 7-12 -Every ...



Free AI powered Math Kangaroo - Grades 7-12 -Every other Saturday at 11 am EST/10 am CST/8 am PST

Class Info

This pilot AI-MK class is offered to high school level students (and mathematically advanced 7 and 8 graders).

AI Topics:

- 1) Image Recognition
- 2) Generative Art
- 3) LLMS & ChatGPT
- 4) Reinforcement Learning
- 5) AI Competition

First 4 Class Formats:

- 11-11:30 - Going over Math Kangaroo Grades 9-10 questions specific to a certain topic
- 11:30-11:45: Going over a specific AI topic
- 11:45-11:55: Doing an activity in groups (classwork)
- 11:55-12:00: Report results of group activity

Final Class Format:

- 30 minutes - Math Kangaroo Grades 9-10 questions on any topic
- 30 minutes - Zoom poll (Quiz show) and winners announced

Summary

Availability: Registration Required
Expires on 03/16/2025

Location: Online Meeting

Date / Time: Oct 07 - Dec 02, 2023 EST

Cost: FREE

Create Account

Login



More Information and Questions

- Contact us mathclub68@icsptsa.org
- For more information, please visit www.mathkangaroo.org or email Math Kangaroo office at: info@mathkangaroo.org .