



Tips For Keeping Your Chapter Active

I hope that this newsletter finds each of you healthy and managing this very unique school year. We would like to encourage you to meet with your chapters in the safest way possible. To this end, Mu Alpha Theta has compiled a list of ideas and resources designed to keep your chapter active during this difficult time. You will find these resources featured in this newsletter and you will also find these resources under the "Virtual Ideas" section on the Math Resources page of our website (mualphatheta.org/math-resources). We will continue to add to this section as we learn of more resources.

I know that the start of the year is not "normal", but I would like to assure you that I, your Regional Governor, and the National Office staff are here for you if you have any questions or concerns.

Sincerely,
Lisa Herron
Mu Alpha Theta President

10 Suggestions From Sponsors For Sponsors

1. Submit a design to MAT's T-shirt contest (mualphatheta.org/content/mat-t-shirt-contest ; contest closes on October 14) and possibly win a \$1,000 award for your chapter. And don't forget about their other contests- the Rocket City Math League, Log1 Contest, and Mathematical Minutes Video Contest (mualphatheta.org/contest).
2. Hold weekly meetings via Zoom or Microsoft Teams.
3. Issue challenges to your members, like: "Record yourself sneaking math puns into conversations throughout the day", "Try to work a math vocab word into every conversation", or "Make a video where you explain a simple math topic as if it's very complicated".
4. Invite guest speakers to Zoom with your chapter about how math plays in a role in their life and job.
5. Plan a virtual math activity for the elementary and middle schools in your county.
6. Create a "guide to math" of your city, like this one: maa.org/sites/default/files/pdf/news/Field_Guide-Math_on_the_National_Mall.pdf
7. Check out MAA's AMC Kahoot!, which takes place every Wednesdays at 3:30 pm ET. Members can make their own Kahoot!s to help instruct younger members on typical math contest problems.
8. Try putting together a virtual math tournament for your school or another school.
9. Participate in virtual contests.
10. Members could make a list of topics they'd be interested in learning about, and then they could make short videos on those subjects for their chaptermates to watch. Lists might include famous mathematicians, current unsolved problems, important formulae, etc.

REMINDERS FROM THE NATIONAL OFFICE

11/25-11/29: National Office closed for Thanksgiving

12/14: All invoices must be paid

12/16-1/3: Sponsors' store closed (no orders can be placed)

12/21 - 1/3: National Office closed for winter break

**Don't forget about our public store:
mualphathetapublicstore.temorder.com/sale

Ideas From Our Partner Organizations

MAA

All AMC exams have moved online. M-Powered is a new community support and engagement website: maa-amc.org

SIAM

-Learn math modeling via teacher training videos – 100% suitable for high school students as well! Series of three videos: m3challenge.siam.org/resources/teaching-modeling-videos

-2020 M3 Challenge problem and videos playlist: youtube.com/playlist?list=PLf_ipOSbWC86dNdRO-JUsrKjYO8wUyztH

-Free downloadable handbooks, videos, sample problems, and more fun stuff to do and explore on the Resources page of the M3 Challenge website. Other modeling practice problems with archived text chats with problem authors appended.

-Our intro "about M3 Challenge" gives a good overview of M3: youtube.com/watch?v=kt4gaXFkEnQ

-An animated video about the resources available to help teams be successful in a ~3 minute video here (this one refers to lots of other free digitally available educational materials): youtube.com/watch?v=UTKrJLoZw5Q

Spotlight On: Black Girl MATHgic

Black Girl MATHgic is the first and only monthly screen-free subscription box designed to increase math confidence and decrease math anxiety in girls on a 3rd-8th grade math level. Each box includes math activities, a profile of a female mathematician, custom stickers, a math affirmation, and more. The BGM Box is co-curricular and perfect for supplementing lessons, as well! These boxes could help your chapter plan competitions, lessons, and tutoring for local elementary and middle schoolers. Each box contains up to 40 hours' worth of activities.



Check out **blackgirlmathgic.com** for more info.

More Resources:

National Museum of Mathematics
momath.org/upcoming-events/

MathWorks

-Onramps: matlabacademy.mathworks.com

-Student Tutorials and Videos: mathworks.com/academia/student-competitions/tutorials-videos.html

-Cleve's blog: blogs.mathworks.com/cleve/2018/10/05/mathworks-math-modeling-challenge

Arete Labs

League Play: we can create leagues of online competition between math classes/teams of any frequency - weekly, monthly or otherwise. Leagues can be followed by a bracket tournament or championship. The functionality is fully customizable to each locality's specific requirements.

Math Madness: classes/teams from around the U.S. can compete. The event is offered both in the fall and spring.

aretelabs.com/math_madness/about

-100% Online + Team-based + Live Scoring = Thrilling!

-Offered at 3 levels: ES (3-5th), MS (6-8th), and HS (9-12th)

-4 weeks of scrimmaging followed by a six-week national, NCAA-style bracket tournament

-One 30-minute match per week playable any day/time, featuring individual and collaborative play

-Content aligned with CCSS generally - great prep for Math Olympiads, Mathcounts and AMC contests

-Solutions post immediately after each match making for a unique teaching/learning opportunity

Prices range from \$120-\$375 for an entire team for the entire season, depending on team size and the level of play.

Discounts available as needed; very flexible payment deadlines.

-Video tutorial: youtube.com/watch?v=ylvDUI_HZAA&t=4s

SIMIODE

-For general SIMIODE resources, check out: simiode.org.

-SIMIODE Challenge Using Differential Equations Modeling, check out: simiode.org/scudem. The challenge is for teams of three high school and undergraduate students either from one school or assembled from individual student registrations from around the world. Registration is going on right now for Challenge Period 23 October – 14 November 2020. This is an online activity in which students select one of three modeling opportunities and submit a ten-minute team video for judging.

Math Reimagined

(Currently ONLY for girls who live in Missouri) This nonprofit is hosting weekly "Intro to Contest Math" sessions every Sunday from 3-5pm CT. These sessions are taught by girls for girls and include instruction from MATHCOUNTS national and state countdown qualifiers. Please contact contact@mathreim.org to sign up. This group is open to expanding across the country, so please email them if you don't live in Missouri but are interested in expanding this program into your area.

Please contact the National Office with any questions: 405-325-0144 or info@mualphatheta.org