Running Math Club

Brendan Tea

September 23, 2024

Contents

Preface								
Pı	refac	e	3					
1	Pla	nning	4					
	1.1	Information	4					
2		ring Action DDO List in Order)	6					
	2.1	Canvas	6					
	2.2	Club Fair Prep	6					
	2.3	Awareness	8					
	2.4	Creating PPTs	8					
	2.5	Club Meeting Plans	9					
	2.6	Competitions	9					
	2.7	Fundraising	10					
	2.8	Officer Positions	10					
3	Rui	nning	11					
4	Enc	lgame	12					
	4.1	Officer Elections	12					
5	TO	DO	13					

Preface

Welcome

This to any Math Club Officer running the club. I originally wrote this for myself, documenting my entire process, but decided that this could be useful for anyone getting started. It will have everything for you to get started and also things to potentially work on.

Intro

Math Club is mainly about two things: (1) competition math and (2) math learning.

Math Competitions are basically the corner stone of Math Club and drives its members to constantly be improving. Thus, it is important to obtain **fundraising** as it lowers costs of admissions. Make sure when finding more competitions around the area that they are cheap and accessible. During math club meetings, it will generally be split into two groups: Competition Math and Math Tutoring.

Good luck and enjoy your time running Math Club!

LWHS, August 2024 Brendan Tea

IMPORTANT INFO

Club Advisors:

- Dr. Lu flu@lwsd.org
- Ms. Martinez lmartinez@lwsd.org.

Club General:

- N-272 Dr.Lu's Room
- Fridays 3:30-4:30

Club Officers [2024]:

- Co-Presidents: Nathan Guan, Iyas Adbel Rahman
- Treasurer: Tea

Planning

During summer, it is **absolutely important** that you group up and talk with your other members to get started. Some things to keep in mind are Powerpoints, Club Fair Preparations, Competitions, Club Meetings, and Fundraising.

1.1 Information

Here is all of our current info:

- 1. Competitions
 - AMC 10/12
 - MAO (Fall & Spring Classic)
- 2. Fundraising
 - Concessions (KingCo & Seakings)
 - Local Business Deals
 - ASB Grant (100-500 \$)
- 3. Resources

Competition

- Omega Learning (Sophil Rathi)
- AOPS Alcumus
- AOPS Practice Tests/Resources

Tutoring

- SAT Math
- Calculus Help

- Alg 1-2/Geo/Precalc
- 4. Activities
 - Quizbowl
 - Speed Math
- 5. Tutoring
 - Signup Genius
 - NHS Partnership

Taking Action (TODO List in Order)

2.1 Canvas

Now, check the Canvas Teams and see if anything needs updating or changing. This is the base grounds for all information so make sure that that resources, links, competitions are all up to date.

2.2 Club Fair Prep

During the 2nd or 3rd week of September, there will be a club fair for all of the clubs. This is Math Club's first impression to any outsiders and this is our steady source of new members.

You will need:

- Candy/Snacks
- Poster
- Desk [Provided]
- Laptop (Activity)
- Clipboard + Pens
- 10 Lined-Paper

When interacting with potenial members, mention the key things: tutoring, competitions, awards.

If they mention they aren't good at math, offer free tutoring for any topic. If they are more on the math wizard side, offer them the idea of awards like top 10 at State.

After the club fair, round up all of the members into a excel sheet seperating them into grade.

9		10		11		12		
Name	Email	Name	Email	Name	Email	Name	Email.	
Defne Cadar	10671228Hwsd.org	DUSAN BATRICEVIC	104768888twsd.org	YUNAL AMITAY	1070573@lwsd.otz	OLIVIA BENNETT	1037465@Wsd.org	1
ISAAC CASTILLO	1090730@twsd.org	COLE BELMOND	10600178Hwsd.org	AMIT AZARKHIN	1076349@wsd.orz	RONNIE BIRAN	1037554@Wsd.org	1
Damian	1109655@twsd.org	CASIMIR BOBROWICZ	10469106Hwsd.org	RYAN BIKDASH	1042247@wsd.org	AWA BRISIMITZIS	1036643@Wsd.org	1
ALI GHAFGHAZI	1079209@twsd.org	AARON CHEN	11077818Hwsd.org	RYAN CHEN	1107780@wsd.orz			1
NEHANTH KAKANI	10545138Hwsd.org	Hatthew Choy	1046610@twsd.org	ROHAN CHILUKURI	1045288@wsd.orz	AMK CHOUDHURY	1074858/R/wsd.org	1
KAI KANJAMALA	1074568@kwsd.org	ISABELLA GUAN	1090955@twsd.org	ANNA CHOU	1049285@wsd.orz	LUCAS DEGARDIN	1073936/R Msd.org	1
AARAV LAKHANPAL	10621799Hwsd.org	OWEN HAAG	10473546Hwsd.org	JULIA CLA/BORNE	1100903@wsd.orz	Nathan Guan	1090954/R/wsd.org	1
DENIS LAZERKO	11042778/twsd.org	EUJAH LARZELERE	10440368Hwsd.org	ISLA MC CULLOCH	1049398@wsd.orz	SANA HOOUE	1073122@hvsd.org	1
ETHAN LIN	10606709(wsd.org	IRA MAHESHWARI	10989019Hwsd.org	Chase Datol	1061033@wsd.orz	MICHAEL LO	1070606/R Msd.org	1
OWENLIU	1063005@twsd.org	LAHARI NELLORE	10949349twsd.org	ANDRE FERREIRA	1025871@lwsd.orz	MUHAMMAD MAHMO	1026381@lwsd.org	
PRATYUSH MAHESHW	105497184wsd.org	VENKATA PATHI	1109418@twist.org	JAYDEN HONG	1026417@wsd.org	MORITZ HASZHOLD	1040653@Wsd.org	
AARAV MANDHANA	1067575@twsd.org	SOFIA RAYANI	1095015@twisd.org	CONNORHUI	1049430@lwsd.org	SOFIA MORENO	1056975@Wsd.org	
AHMED MANTAWY	1112209@twsd.org	JAY SONG	1108954@twisd.org	EUNIAE JEON	1076962@wsd.org	JONATHAN PAN	1044205@Wsd.org	
DSCAR MASZHOLD	1081213@twsd.org	Jake Stone	1046653@twisd.org	ABHIMANYU JINDAL	1085230@lwsd.org	Iyas Abdel Rahman	1103181@lwsd.org	
DANIEL PEEV	1063224@twist.org	ADITYA THAKUR	1090110@twist.org	OLIVERIUNGLES	1101345@lwsd.org	EVAN RANDALL	1037422@hvsd.org	1
SANCHITPHADKE	1074907@twscl.org	DOMINIC UVALLE	1114918@twisd.org	AKHIL KALLA	1074191@wsd.org	SEIAL SHAH	1043405@hvsd.org	
LUKE PLETTE	1061882@twist.org	TANVI VARANGADNIKA	1063805@twist.org	JEHA KOO	1085392@Wed.org	KOBE SMITH	1037300@Wsd.org	1
ALI ABDEL RAHMAN	1103182@twsd.org	EMMETT WALLACE	1048907@twisd.org	PUCHUN LIANG	1110164@lwsd.org	JACK STRATHY	1044604@lwsd.org	1
ELIJAH ROSAS	1047795@twsd.org	CHEN-TING WANG	1000214@twod.org	DAVID LIN	1087387@lwsd.org	VASYL TARAPOV	1043054@hvsd.org	1
ASMEE SAHASRABUDI	1068654@twsd.org	SARAH KOMATSU	1099994@twod.org	JONATHAN UN	1042724@lwsd.org	CHRISTSAPENKO	1058529@hvsd.org	1
ZEINA SHAHIN	1097508@twist.org			BRYAN MARTINEZ	1041799@lwsd.org	KIRA ULRICH	1037603@Mvd.org	1
CROSBYSHAN	1101424@twsd.org			YALE MOON	1099981@Wed.otz	BENJAMIN WANG	1076048@hvsd.org	1
AKSHAJ SIVARAMANA!				OMKAR PAGE	1050945@lwsd.org	SARAH WEN	1043090@hvsd.org	1
Cole Smith	1095381@twsd.org			RICHA PALEPU	1048696@wsd.org	KEIICHI YAMAKAWA	1058613@Wsd.org	1
MUSKAAN SUNDARAM	1052878@twsd.org			RUDRA PANDIT	1106797@wsd.org	LEE NGUYEN	1037535@Wsd.org	1
IONATHAN YANG	1083415@twist.org			RAJAN PARHAR	1050452@wed.org			1
DVIR YEDIDSION	1082174@twsd.org			ARRON RANDHAWA	1042732@wsd.orz			1
AIDEN ZHAO	1092233@kwsd.org			KAUSHAL RAD	1048905@wsd.orz			
				ARTEMII REMIZOV	1044828@wsd.orz			1
				NAYTHAN SALDANHA	1044821@wsd.orz			1
				ISHAN SHARMA	1082091@wsd.orz			1
				Brendan Tea	1042182@wsd.orz			1
				SOUGOU TOJIMA	1043618@wsd.orz			1
				ANDRE TORRES	1044622@wsd.orz			1
				JAMES WANG	1100118@wsd.org			
				SOPHIA ZENG	1101033@wsd.orz			1
				YEVHEN ZHMALO	1101641@lwsd.org			111 members I

Figure 2.1: Members list with emails in excel

In this format, it is easy to copy the emails and transfer them into an email list. You will then send an email to all of the members. Remember that there is a 100 person limit when sending emails so you may have to split the email. Send the email to the club officers and CC the club advisors. Here is a template you may use:

Hello, fellow math clubbers,

Thank you for your interest in Math Club at today's club fair!

I am excited to announce that we have our first meeting in two weeks on Friday, the 4th of October. This meeting and all meetings after will be held in Dr. Lu's room, N-272, which is on the second floor of the North Wing.

In the first meeting, we will explain what meetings are going to look like, the benefits you reap from attending math club, and introduce some of the fun activities that we have planned for you this year. Throughout the year, we will provide tutoring services, cover various math concepts, and host math competition events as well!

If you have any questions, feel free to contact me or any of the officers. We look forward to getting to know all of you and your mathematical aspirations on Friday. Spread the word to all your friends.

Have a great day, Math Club Officers

2.3 Awareness

Create flyer posters with QR codes advertising Math Club to put around the school or in math teacher's classes. You will need them ASB approved and permission from teachers.

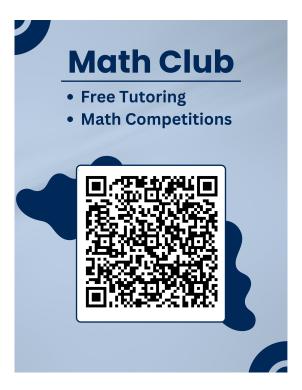


Figure 2.2: Flyer example — do not scan the QR lmao

Additionally, update our club's instagram at @lwhs_math with competitions and other forms.

2.4 Creating PPTs

You may use past year's ppt as inspiration.

Here is the general structure:

- 1. Intro Page
- 2. When + Where [Friday, Dr. Lu N-272]
- 3. Competitions
- 4. Tutoring & Volunteer Hours
- 5. Final Take Aways:

- Fridays N-272 Can Drop out
- # Competitions through the Year
- Tutoring Volunteer Hours
- Math Wizard/ academic weapon
- 6. Form [Questions & Attendance]
 - Name, Email, Grade
 - AMC 10/12
 - Purpose for joining

Some interesting topics this are:

- Math Problem Activity
- Become a Math Wizard
- Awards/Medals

2.5 Club Meeting Plans

This is where you decide what will happen during club meetings.

Here is the general structure:

- 1. Set-Up Math Club [HDMI + Activities]
- 2. Wait for people to come
- 3. Start [bang the gong if you want]
- 4. Split into Activities
- 5. End + Thanks
- 6. REPEAT 29x Meetings

2.6 Competitions

Ms. Martinez will ususally send an email with all of the math competitions for the year. Make sure to inform members 3-4 weeks since permission forms are due 2 weeks before the competition.



Figure 2.3: 2022-2023 MAO Spring Classic Competition: Logan Chu, Brice Liu, Amish Patra, Bryan H [Left to Right]

2.7 Fundraising

After everything, now to acquire funds. First know which businesses students usually go to and compile a hit-list. Go to the businesses and ask the manager if they are able to make a fundraising deal.

If that doesen't go well, apply for an ASB Grant by contacting one of the ASB leadership members. Then, volunteer at concessions for funding also.

2.8 Officer Positions

This wayyyy later on near June. If you have **completely finished** the above, read in the Endgame section on this.

Running

After your very first club meeting, it is important to follow and have a consistent Math Club meetings.

In two groups, there will be different activities.

Competition Math:

• Math Practice

Tutoring:

• Math Help [Any topic]

Endgame

4.1 Officer Elections

You've now made to the May/June and it's time to begin officer elections!

Our current positions:

- 2 Co-Presidents
- Treasurer

Here is everything that needs to get done:

- 1. Inform Members [within meeting]
- 2. Create Interest Form¹
- 3. Interview candidates
- 4. Club Vote [speech]
- 5. Decide Officers

¹Make sure it includes including position, interview date, information.

TODO

Here's everything that needs improvement:

- More Competitions
- Math Literacy
- Member Retension
- More members

Final Remarks

Hope you the best in your journey and I hope you found this useful. If you have any feedback, found any errors, or have any suggestions, you can always message me here at 1042182@lwsd.com.