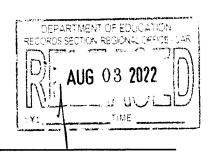


Republic of the Philippines

Department of EducationCORDILLERA ADMINISTRATIVE REGION



Advisory No. $066 \cdot 2022$

August 2, 2022

In compliance with DepEd Order (DO) No. 8, s. 2013 this advisory is issued not for endorsement per DO 28, s. 200, but only for the information of DepEd officials, personnel/staff, as well as the concerned public.

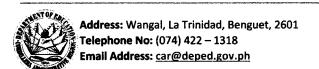
34th MATHEMATICAL SCIENCE WEEK

The UPLB Mathematical Sciences Society (UPLB MASS), will be holding the 34th Mathematical Science Week on October 15 – 22, 2022 with the theme **"FUTURE SECURED: OPTIMIZING FINANCES USING MATHEMATICS"** and inviting interested schools to participate in the different competitions that will be conducted.

Attached are the guidelines of the contest for your reference.

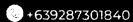
Attendance to this is for personal professional development and purely voluntary.

ESTELA P. LEON-CARIÑO EdD, CESO III





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ORGANIZATIONAL BACKGROUND

The UPLB Mathematical Sciences Society, established in 1973, has been one of the duly recognized academic organizations of the University of the Philippines Los Baños. It is comprised of BS Applied Mathematics, BS Computer Science, BS Mathematics and Science Teaching Major in Math, and BS Statistics students who are committed to upholding the goal of the society: to contribute to the development of the Filipino nation by cultivating deeper appreciation and wider application of mathematical sciences, by fostering academic excellence towards social relevance, and by being involved with the rest of the university constituency and Filipino masses.

CONTACT INFORMATION

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(President)



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EVENT INFORMATION

Event Name:

34th Mathematical Sciences Week

Date:

October 15, 2022 - October 22, 2022

SCHEDULE OF ACTIVITIES

DATE	TIME	EVENT
October 15, 2022 (Saturday)	1:00 PM - 4:00 PM	34 th National Mathematical Challenge (MATHEMATCH) Elimination Round
October 16, 2022 (Sunday)	1:00 PM - 4:00 PM	Webinar
	10:00 AM	Posting of Puzzle of the Week
October 17, 2022 (Monday)		Posting of Puzzle of the Day
	1:00 PM	Posting of Infographics Making Competition Entries
	8:00 PM	Announcement of Puzzle of the Day Winners
October 18, 2022 (Tuesday)	10:00 AM	Posting of Puzzle of the Day
	1:00 PM	Posting of Short Video Making Competition Entries
	8:00 PM	Announcement of Puzzle of the Day Winners
	10:00 AM	Posting of Puzzle of the Day
October 19, 2022 (Wednesday)	1:00 PM	Announcement of MATHEMATCH Finalists
	8:00 PM	Announcement of Puzzle of the Day Winners
October 20, 2022	10:00 AM	Posting of Puzzle of the Day
(Thursday)	8:00 PM	Announcement of Puzzle of the Day Winners
October 21, 2022 (Friday)	10:00 AM	Posting of Puzzle of the Day



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	8:00 PM	Announcement of Puzzle of the Day and Puzzle of the Week Winners
October 22, 2022 (Saturday)	1:00 PM - 5:00 PM	34 th National Mathematical Challenge (MATHEMATCH) Final Round
	7:00 PM	Announcement of Competition Winners

CONTEST AND EVENT DETAILS

1) 34TH NATIONAL MATHEMATICAL CHALLENGE (MATHEMATCH)

GENERAL INFORMATION

The UPLB Mathematical Sciences Society annually hosts the Southern Tagalog Invitational Mathematical Challenge, better known as MATHEMATCH. In line with the Society's goal of promoting deeper appreciation and wider application of mathematical sciences and following the success of last year's first ever National Mathematical Challenge (MATHEMATCH), the Society is again conducting this competition nationwide on its 34th iteration.

I. ELIGIBILITY

- A. MATHEMATCH is an individual online competition open to all junior high and senior high school students nationwide. Each school may be represented by a maximum of 3 students only.
- B. There is **no entry or registration fee** for this competition.
- C. Participation in this competition means adhering to the contest guidelines set by the UPLB Mathematical Sciences Society.

II. INTEGRITY

- A. It should be the responsibility of everyone concerned, including but not limited to the UPLB Mathematical Sciences Society members, event partners, judges, participating schools, and household members of contestants to protect and maintain the integrity of this competition.
- B. Joining this competition means that the contestants will only submit answers that are the result of their individual efforts and are not arrived at using any computing device (i.e. calculator), application, or software, consulting anyone, and using physical or online



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references. It shall also mean that they are aware of the appropriate consequences that will be faced by anyone who is proven to have violated the rules of the competition.

III. TECHNICAL REQUIREMENTS

- A. Since the competition will be entirely held online, contestants are required to prepare the necessary technical tools needed to effectively participate in the competition. The following are the required technical requirements:
 - 1. An active email address for important correspondence.
 - 2. A reliable internet connection during the competition.
 - 3. A computer, laptop, or tablet with a camera and an installed Zoom application.
 - a. For the preliminary round: Contestants are required to prepare at least one (1) device.
 - b. For the final round: Contestants are required to prepare at least two (2) devices. The first device will be positioned in front of the participant to monitor them as they answer each question, while the second device will be positioned behind them to monitor their screen and workplace.
 - 4. A Zoom (basic or free) account.
- B. It should be the responsibility of the participants to regularly check their emails for more details and instructions about the competition. The organization will not be at fault in case a participant fails to attend to the contest requirements due to their own failure to read competition updates sent through email. (There should only be one email for the entire competition)
- C. The participants are highly encouraged to prepare a back-up internet connection source in case of internet connection problems and power interruptions. Devices that will be used during the competition should be fully charged before the start of competition to minimize technical problems during the contest proper.
- D. The use of laptops or any device with enough screen size for visibility purposes is also highly recommended. The organization will not be responsible for overlooked or misinterpreted contest problems due to screen visibility.
- E. During the preliminary and final round, the participants are required to open their cameras for the entire duration of the competition. Participants are also prohibited to use any virtual background and filter.
- F. The UPLB Mathematical Sciences Society recognizes that not everyone has access to stable and reliable internet connection and has sufficient electronic gadgets at home. Unfortunately, the organization cannot accommodate these limitations. Through combined efforts, the competition will be pushed through after making the necessary adjustments to



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ensure the safety of all the individuals involved while still maintaining the integrity of this competition. We hope for everyone's kind understanding.

IV. REGISTRATION AND DEADLINES

- A. Interested participants should register through the provided *Google Form link* to secure their slots for the competition. The registration period shall start on **September 5**, **2022** at **10:00 AM** and end on **September 19**, **2022** at **11:59 PM**. Only a maximum of **90 participants**, at most **six (6) participants per region**, will be accommodated, following a first come, first served basis. However, in case the number of participants in a region was not reached, their slots will be given to the other participants from other regions, still following a first come, first served basis. Please note that answering the form does not guarantee a slot for the competition, a registration confirmation will be sent *via* email on or before September 30, 2022.
- B. Upon registration, participants must submit and accomplish the following in png/jpg or pdf form:
 - 1. A copy of their *School ID* for A.Y. 2022-2023. In case the school has not yet issued their school ID for A.Y. 2022-2023, the participant can submit their *most recent high school ID* or *valid ID* with the participant's picture.
 - 2. Any *Proof of Enrollment* for A.Y. 2022-2023 signed by the school registrar or school principal.
 - 3. Original copy of the *Integrity Form* and *Guardian's Consent Form* which shall signify that the participants and their household members will abide by the rules in maintaining the integrity of the competition amidst it being conducted online.
- C. Additional instructions will be regularly provided to the qualified participants *via* email and/or Facebook updates.
- D. The UPLB Mathematical Sciences Society reserves the right to extend the registration period. In case of such adjustments, announcements will be made through the organization's official Facebook Page (<u>facebook.com/uplbmass1973</u>) and the official page of MATHEMATCH (<u>facebook.com/NatlMATHEMATCH</u>).

V. CONTEST MECHANICS

- A. GENERAL MECHANICS
 - The competition will cover topics in Algebra, Arithmetic, Calculus, Geometry, Logic, Statistics, and Trigonometry. Well-screened contest questions will be verified by UPLB Mathematics professors who will also serve as judges in the final round.



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- 2. The **Preliminary Round** will be conducted *via* **Zoom** on **October 15, 2022**. This will be in the form of a synchronous individual exam.
- 3. The **Top 15 contestants** who will garner the highest scores in the preliminary round will advance to the **final round**. Finalists will be contacted through email on or before **October 19, 2022**. The names of the finalists will also be published on the official Facebook page of MATHEMATCH and UPLB MASS.
- 4. The Final Round is scheduled on October 22, 2022 via Zoom. It will also be available for screening via Facebook Live on the organization's official Facebook page.
- 5. The **Top 3 contestants** who will garner the highest points will be declared the winners of the competition.
- 6. The UPLB Mathematical Sciences Society reserves the right to disqualify any participant who will not follow the contest guidelines. The organization also reserves the right to change and amend the competition rules given that there is enough time to disseminate the information.

B. PRELIMINARY ROUND MECHANICS

- 1. The preliminary round will be in the form of a closed-door, individual, synchronous exam which will be held *via* Zoom on **October 15**, **2022 from 1:00 PM to 4:00 PM**.
- 2. The exam will be composed of short-answer questions only. Answers will be submitted through *Google Forms*. Links will be sent to the contestant's email.
- 3. In case a contestant gets disconnected during the synchronous exam, the contestant should inform the assigned proctors and return to Zoom within 10 minutes. If the contestant failed to return within the allotted time, they will be required to submit their answer form within two (2) minutes, otherwise their answers will be void.
- 4. The Top 15 contestants garnering the highest scores will advance to the final round.

C. FINAL ROUND MECHANICS

- 1. The final round will be a live quiz contest which will be held *via* Zoom on **October 22, 2022 1:00 PM onwards.** To maintain order in the competition proper, only the contestants, judges, and UPLB MASS members will be allowed to enter the Zoom. Other interested viewers may watch the competition *via* Facebook Live on the organization's official Facebook Page.
- 2. In case a contestant gets disconnected during the live quiz competition, it is up to the judges' discretion whether to proceed with the competition proper or give time for the contestant to return.



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- 3. The final round will be divided into 3 rounds Easy, Average, and Difficult.
 - a. Easy Round
 - Ten (10) questions will be asked.
 - Each contestant will be given thirty (30) seconds to answer each question.
 - A correct answer garners 5 points. Wrong answers and no answers will garner no points.
 - b. Average Round
 - Seven (7) questions will be asked.
 - Each contestant will be given sixty (60) seconds to answer each question.
 - A correct answer garners 7 points. Wrong answers will result in a deduction of 3 points. No answers will garner no points.
 - c. Difficult Round
 - Five (5) questions will be asked.
 - Each contestant will be given ninety (90) seconds to answer each question.
 - A correct answer garners 10 points. Wrong answers will result in a deduction of 5 points. No answers will result in a deduction of 3 points.
- 4. The accumulated points from the Easy, Average, and Difficult Rounds shall determine the winners for this competition.
- 5. In case there will be a tie for the **Top 3**, a *Do or Die* round will be conducted. Questions are to be asked and the contestant who gets the correct answer shall be declared the winner if no other participants get the correct answer.

VI. WINNERS AND PRIZES

- A. Participants will receive e-certificates for their participation.
- B. The individual top scorer of the preliminary round will receive a certificate of recognition and PhP 1000 cash.
- C. The Top 15 finalists will each receive an e-certificate of recognition and PhP 300 cash.
- D. The final round winners will receive e-certificates of recognition and the corresponding cash prizes:



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Place	Prize
1st Place	PhP 10,000 cash
2nd Place	PhP 7,000 cash
3rd Place	PhP 5,000 cash

E. The winners of this competition will be announced *via* Facebook Live on the UPLB MASS' Official Facebook Page on October 22, 2022. A separate post for the winners of this competition will also be published on the said page(s).

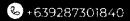
2) WEBINAR

The UPLB Mathematical Sciences Society conducts a seminar as part of the Mathematical Sciences Week celebration to promote deeper understanding and wider application of concepts related to the theme of the event.

- I. This webinar is open to all interested individuals nationwide.
- II. There is **no entry or registration fee** for this event.
- III. Interested participants should pre-register through the provided Google Form link. The details of the Zoom meeting will be sent through the information they have provided in the pre-registration form. The pre-registration period shall begin on October 4, 2022 10:00 AM and will end on October 15, 2022 at 11:59PM.
- IV. Zoom slots will be limited due to the participant capacity of Zoom meetings. However, other interested participants may also attend the webinar via Facebook Live which will be available in the official page of UPLB MASS (facebook.com/uplbmass1973).
- V. The webinar will be held on October 16, 2022 at 2:00PM.
- VI. Participants will be given e-certificates for their participation in the webinar, provided that they will submit 3 screenshots highlighting the topics discussed during the lecture as proof of participation in the event.



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3) SHORT VIDEO MAKING COMPETITION

I. ELIGIBILITY

- A. This Short Video Making Competition is open to all Junior and Senior High School students nationwide.
- B. There is no entry or registration fee for this competition.
- C. Participation in this competition means adhering to the contest guidelines set by the UPLB Mathematical Sciences Society.

II. REGISTRATION REQUIREMENTS AND DEADLINES

- A. Interested participants should register through the provided *Google Form link* to secure their slots for this competition. The registration period shall start on **September 14**, **2022** at **10:00 AM** and will end on **October 3**, **2022** at **11:59 PM**. Only a maximum of **30 entries**, at most 2 participants per entry, will be accommodated, following a first come, first served basis. A registration confirmation will be sent *via* email on or before October 3, 2022.
- B. Upon registration, participants shall submit a copy of their most recent School ID (or any valid ID) and Proof of Enrollment (Certificate of Enrollment signed by the school's registrar or principal) for the First Semester of A.Y 2022-2023.
- C. All entries must be submitted on or before the deadline: October 5, 2022 at 11:59 PM through the provided Google Form link. Entries submitted after the deadline may be disqualified.
- D. All entries will be posted in the official Facebook Page of UPLB MASS (<u>facebook.com/uplbmass1973</u>) during the organization's celebration of the 33rd Mathematical Sciences Week.
- E. The UPLB Mathematical Sciences Society reserves the right to extend the submission deadline. In case of such adjustments, registered participants will be notified *via* email.

III. VIDEO SPECIFICATIONS

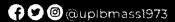
- A. Participants shall create a **1 to 3-minute-long video** that explains about budgeting and investing in relation to the 34th Mathematical Sciences Week theme "FUTURE SECURED: Optimizing Finances Using Mathematics". The video must contain factual information, proper credits shall be given to all used information, music, etc. at the end of the video. Moreover, the video should NOT contain foul, offensive, or controversial content.
- B. Only one entry may be submitted per participant.



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- C. The video must be original and may be in the form of a TikTok-style video (talking video, role play, etc), animation, shorts, etc. It can be in any orientation of choice and should be of good quality. It should be submitted in either of the following file formats: MP4, MOV, or AVI.
- D. The video may be done in English or Tagalog. The use of subtitles is optional.

IV. WINNERS AND PRIZES

- A. Participants will receive e-certificates for their participation.
- B. There will be three winners for this competition. The 1st Place, 2nd Place, and 3rd Place Winners shall be chosen based on the following criteria:

TOTAL	100%
Production or Technical Quality	10%
Originality	10%
Creativity	20%
Relevance to the Theme	30%
Accuracy of Information	30%

- C. The People's Choice Award will be awarded to the entry who will garner the most number of reactions on Facebook. Participants may share and promote their entries; however, they are discouraged to spam their entries with comments or shares to prevent bias during the voting period.
- D. The judges' decision is final and irrevocable.
- E. Winners will receive e-certificates of recognition and the corresponding cash prizes:

Place	Prize
1st Place	PhP 3,000 cash
2nd Place	PhP 2,000 cash



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3rd Place

PhP 1,000 cash

People's Choice

PhP 1,000 cash

F. The winners of this competition will be announced *via* Facebook Live at the UPLB MASS' Official Facebook Page on October 22, 2022. A separate post containing the winning entries will also be published on the said page.

4) INFOGRAPHICS MAKING COMPETITION

I. ELIGIBILITY

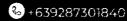
- A. This Infographics Making Competition is open to all bonafide students enrolled at the University of the Philippines Los Baños.
- B. There is **no entry or registration fee** for this competition.
- C. Participation in this competition means adhering to the contest guidelines set by the UPLB Mathematical Sciences Society.

II. REGISTRATION REQUIREMENTS AND DEADLINES

- A. Interested participants should register through the provided *Google Form Link* to secure their slots for this competition. The registration period shall start on **September 12**, **2022** at **10:00 AM** and will end on **September 30**, **2022** at **11:59 PM**. Only a maximum of **30** participants will be accommodated, following a first come, first served basis. A registration confirmation will be sent *via* email on or before September 30, 2022.
- B. Upon registration, participants shall submit a copy of their *UP ID* (or any valid *ID*) and *Proof* of Enrollment (i.e. Form 5 or Screenshot of Schedule) for the First Semester of A.Y. 2022-2023.
- C. All entries must be submitted on or before the deadline: October 3, 2022 at 11:59 PM through the provided Google Form Link. Entries submitted after the deadline may be disqualified.
- D. All entries will be posted in the official Facebook Page of UPLB MASS (<u>facebook.com/uplbmass1973</u>) during the organization's celebration of the 33rd Mathematical Sciences Week.
- E. The UPLB Mathematical Sciences Society reserves the right to extend the submission deadline. In case of such adjustments, registered participants will be notified *via* email.



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III. DESIGN SPECIFICATIONS

- A. Participants must create an infographic that explains any concept or idea about budgeting and investing in relation to this year's Mathematical Sciences Week theme "FUTURE SECURED: Optimizing Finances Using Mathematics". The infographic must only contain factual information, properly referenced in APA format. Moreover, the infographic should NOT contain foul, offensive, or controversial content.
- B. Only one entry may be submitted per participant.
- C. The entries must be written/composed in **English**.
- D. The dimensions of the infographic must be 11 x 17 inches in size and in portrait orientation. It must be submitted in JPEG format which shall not exceed 20 MB in size.

IV. WINNERS AND PRIZES

- A. Participants will receive e-certificates for their participation.
- B. There will be three winners for this competition. The 1st Place, 2nd Place, and 3rd Place Winners shall be chosen based on the following criteria:

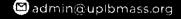
TOTAL	100%
Spelling and Grammar	10%
Relevance to the Theme	20%
Creativity	20%
Conciseness	20%
Accuracy of Information	30%

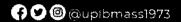
- C. The People's Choice Award will be awarded to the entry who will garner the most number of reactions on Facebook. Participants may share and promote their entries; however, they are discouraged to spam their entries with comments or shares to prevent bias during the voting period.
- D. The judges' decision is final and irrevocable.
- E. Winners will receive e-certificates of recognition and the corresponding cash prizes:



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Place	Prize	
1st Place	PhP 3,000 cash	
2nd Place	PhP 2,000 cash	
3rd Place	PhP 1,000 cash	
People's Choice	PhP 1,000 cash	

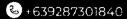
F. The winners of this competition will be announced *via* Facebook Live at the UPLB MASS' Official Facebook Page on October 22, 2022. A separate post containing the winning entries will also be published on the said page.

5) PUZZLE OF THE DAY

- I. The Puzzle of the Day is open to all interested participants nationwide. This contest will run from October 17, 2022 to October 21, 2022.
- II. There is no entry or registration fee for this contest.
- III. To join this mini-contest, participants must wait for the puzzle to be published on the official page of UPLB MASS (facebook.com/uplbmass1973) every 10:00 AM and submit their answers through the designated Google Form for the puzzle. Only one response may be submitted per participant.
- IV. Participants will be required to share their answer to the puzzle publicly by sharing the Puzzle of the Day post.
- V. The deadline for submission of answers will be every 6:00 PM of that day.
- VI. There will be two (2) winners for this contest: the first participant who answered the puzzle correctly and a randomly chosen participant who also answered the puzzle correctly.
- VII. The names of the winners, together with the solution to the puzzle, will be posted in the Facebook Page of UPLB MASS every 8:00 PM of that day.
- VIII. Winners shall receive Php 150 each. The processing of prizes will happen after the event has concluded.



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6) PUZZLE OF THE WEEK

- I. The Puzzle of the Week is open to all interested participants nationwide. This contest will run from October 17, 2022 to October 21, 2022.
- II. There is **no entry or registration fee** for this contest.
- III. To join this mini-contest, participants must wait for the puzzle to be published on the official page of UPLB MASS (<u>facebook.com/uplbmass1973</u>) on October 17, 2021 at 10:00 AM and submit their answer through the designated *Google Form* for the puzzle. Only one response may be submitted per participant.
- IV. Participants will be required to share their answer to the puzzle publicly by sharing the Puzzle of the Week post.
- V. The deadline for submission of answers will be on **October 21, 2022 at 6:00 PM** in the evening.
- VI. There will be two (2) winners for this contest: the first participant who answered the puzzle correctly and a randomly chosen participant who also answered the puzzle correctly.
- VII. The names of the winners, together with the solution to the puzzle, will be posted in the Facebook Page of UPLB MASS on October 21, 2022 at 8:00 in the evening.
- VIII. Winners shall receive Php 500 each. The processing of prizes will happen after the event has concluded.