



Republic of the Philippines
Department of Education
REGION XI
SCHOOLS DIVISION OF DIGOS CITY

Office of the Schools Division Superintendent

DIVISION MEMORANDUM

CID-2023- 361

To : Public Schools District Supervisors
School Heads/Principals/Administrators
Public and Private Secondary Schools

Subject : **35TH UPLB MATHEMATICAL SCIENCES WEEK**

Date : September 11, 2023

Herewith is Regional Memorandum CLMD-2023-447 with the letter from the University of the Philippines Los Baños Mathematical Sciences Society (UPLB MASS) on its Mathematical Sciences Week (MSW) on October 14-21, 2023 at a venue to be announced later, details of which are in the attached letter. Interested participants may contact Criszelle E. Castillo through her mobile number 09157854429 or through email at uplbmass1973@gmail.com.

Participation to the said activity shall be voluntary, on official time only, no government funds involved and subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 entitled "Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith."

For information, and guidance of the schools.

Enclosed: As stated.

CID/lbj

capas
MELANIE P. ESTACIO, PhD, CESO VI
Assistant Schools Division Superintendent
Officer-in-Charge, Office of the SDS

DepEd Schools Division of Digos City
RECORDS SECTION

RELEASED
27-107762
DATE: SEP 14 2023 TIME: 9:28am
BY: *[Signature]*



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Republic of the Philippines
Department of Education
DAVAO REGION

Office of the Regional Director

REGIONAL MEMORANDUM
CLMD-2023-447

To : Schools Division Superintendents

Subject: 35th UPLB MATHEMATICAL SCIENCES WEEK

Date : August 02, 2023

Special Schools Division of Div.
RECORDS SECTION

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Herewith is the invitation letter of University of the Philippines Los Baños Mathematical Sciences Society (UPLB MASS) on its 35th Mathematical Sciences Week (MSW) on October 14-21, 2023 to a venue to be announced later, details of which are in the attached letter. Interested participants may contact Criszelle E. Castillo through her mobile number 09157854429 or send email to uplbmass1973@gmail.com.

Participation to the said activity shall be voluntary, on official time only, no government funds involved and subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 entitled "Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith."

Immediate dissemination of this Memorandum is desired.

ALLAN G. FARNAZO
Director IV

By the Authority of the Regional Director:

Enclosed: As stated.
ROC9/hab

RECORDS SECTION
RELEASED

9v:

Aug 03, 2023
22300

Marilyn B. Madrazo 8/3/2023
MARILYN B. MADRAZO, EdD.
Chief, PPRD
Officer-In-Charge



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Telephone Nos.: (082) 291-1665; (082) 221-6147

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UNIVERSITY OF THE PHILIPPINES LOS BAÑOS MATHEMATICAL SCIENCES SOCIETY

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24 July 2023

Allan G. Farnazo
Regional Director, Region XI
Department of Education

RE: Advisory of the 35th Mathematical Sciences Week (MSW)

Dear Mr. Farnazo:

Warm greetings!

We are the **UPLB Mathematical Sciences Society (UPLB MASS)**, a duly recognized organization of the University of the Philippines Los Baños. In our 49 years of existence we have been committed in promoting deeper appreciation and wider application of mathematical sciences by involving our university constituents and the Filipino masses.

In line with this objective, we will be conducting our **35th Mathematical Sciences Week** this incoming **14th to 21st of October 2023**. This year, we have decided to focus on **Mathematics in Artificial Intelligence** with the theme, **"AI Captain! Exploring the Vast Expanse of Artificial Intelligence"**.

The following are the activities and competitions that will be held for the said event:

1. 35th National Mathematical Challenge (MATHEMATCH)

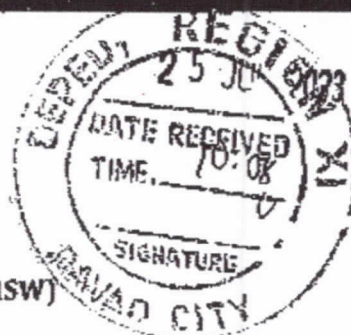
- A 3-member team quiz contest open to all Junior High School and Senior High School students nationwide.

2. Poster Making Competition

- An art competition open to all Junior High School and Senior High School students nationwide that will showcase and test their creativity through integrating the underlying mathematical science concepts related to this year's theme.

3. Teacher's Seminar

- A seminar for the coaches/teachers of the participating students in the 35th National Mathematical Challenge (MATHEMATCH) and the Poster Making Competition.





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4. 47th Annual Search for the UPLB Math Wizard

- A quiz contest for college students (UPLB students only) that will challenge their knowledge in Algebra, Calculus, Geometry, Statistics, and Trigonometry.

5. Puzzle of the Week

- Week-long puzzles will be posted before and until the celebration week to challenge the minds of the masses.

In this regard, we would like to ask for your good office for the **issuance of DepEd Advisory** of the following events and its **dissemination** to the secondary schools of the region.

- 35th National Mathematical Challenge (MATHEMATCH)
- Poster Making Competition
- Teacher's Seminar
- Puzzle of the Week

This is so that we may be able to expand our reach and allow the participation of more schools in our activities that would hugely contribute to this event's objective. For your perusal, attached are more details regarding our organization and the said event.

We are hoping for your favorable response on this matter. Thank you very much!

Sincerely yours,

CRIZELLE E. CASTILLO
Vice President of the Scholastics Division

JHANEL JOSHUA G. ORPIA
President

Recommending Approval:

ASST. PROF. RAMONCITO G. CAMBEL
Senior Adviser



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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

Address: 2nd Floor, Francisco O. Santos Hall, University of the Philippines Los Baños, College, Laguna, 4031

E-mail Address: uplbmass1973@gmail.com

Mobile Number:	+63 9157854429	Criszelle E. Castillo (Vice President for Scholastics Division)
	+63 9778029363	Rosherlyn Franz D. Valdez (Scholastics Division Secretary)
	+63 9661853301	Jhanel Joshua G. Orpia (President)



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EVENT INFORMATION

Event Name: 35th Mathematical Sciences Week
Date: October 14, 2023 - October 21, 2023

SCHEDULE OF ACTIVITIES

DATE	TIME	ACTIVITY / EVENT
October 2, 2023 (Mon)	10:00 AM	Posting of Puzzle of the Week 1
October 6, 2023 (Fri)	8:00 PM	Announcement of Winners of Puzzle of the Week 1
October 9, 2023 (Mon)	10:00 AM	Posting of Puzzle of the Week 2
October 13, 2023 (Fri)	8:00 PM	Announcement of Winners of Puzzle of the Week 2
October 14, 2023 (Sat)	9:00 AM - 11:00 AM	35th National Mathematical Challenge (MATHEMATCH) Preliminary Round
		Poster Making Competition
		Teachers' Seminar
	1:00 PM - 5:00 PM	35th National Mathematical Challenge (MATHEMATCH) Final Round
October 16, 2023 (Mon)	10:00 AM	Posting of Puzzle of the Week 3
October 20, 2023 (Fri)	8:00 PM	Announcement of Winners of Puzzle of the Week 3
October 20, 2023 (Fri)	7:00 PM - 9:00 PM	47th Annual Search for the UPLB Math Wizard Preliminary Round
October 21, 2023 (Sat)	1:00 PM - 5:00 PM	47th Annual Search for the UPLB Math Wizard Final Round



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CONTEST AND EVENT DETAILS

1) 35TH 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 National Mathematical Challenge (MATHEMATCH), the Society is again conducting this competition nationwide on its 35th iteration.

I. ELIGIBILITY

- MATHEMATCH is a team competition open to all high school students from any secondary schools (public or private) nationwide.
- Each participating school can send a **maximum of two (2) teams** consisting of **3 students only** with at least one junior high school student in each competing team.
- Participation in this competition means adhering to the competition guidelines set by the UPLB Mathematical Sciences Society.

II. INTEGRITY

- It should be the responsibility of everyone concerned, including but not limited to the UPLB Mathematical Sciences Society members, event partners, judges, and participating schools to protect and maintain the integrity of this competition.

III. REGISTRATION AND DEADLINES

1. REQUIREMENTS

- Interested participants should register through https://bit.ly/35thMATHEMATCH_Registration to secure their slots for the competition. The registration period shall start on **September 4, 2023, 8:00 AM** and end on **September 30, 2023, 5:00 PM**. Only a maximum of **40 schools** will be accommodated, following a first come, first served basis. The **first three teams to register** with complete and verified requirements will be given a **15% discount** for their registration fee.
- Upon registration, participants must accomplish and submit the following in pdf:
 - A copy of their most recent *School ID* (in case the school has not yet issued their school ID for A.Y. 2023-2024, the participant can submit *any high school ID* or *valid ID with the participant's picture*);
 - Any Proof of Enrollment* for A.Y. 2023-2024 (*Certificate of Enrollment signed by the*



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non-participation of the student and shall provide an alternate student.

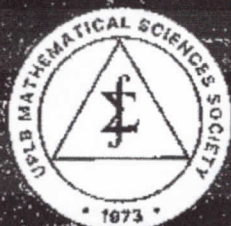
7. The use of calculators, slide rules, mathematical tables, gadgets, electronic devices, and the like by the contestants is **NOT ALLOWED** in the competition. The use of gadgets or electronic devices such as cell phones and tablets, by the audience in taking pictures of the questions is **STRICTLY PROHIBITED**.
8. Clarification regarding the rules and regulations shall be entertained by the Academic Affairs Committee of the UPLB Mathematical Sciences Society before the competition.
9. The UPLB Mathematical Sciences Society reserves the right to disqualify any contestants who will not follow the competition 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 written examination** where scores of 3 members of the team will be added.
2. The contestants shall be given **two (2) hours** to answer the **40 questions**. For detailed instructions for the answer to the questions, please refer to **Section V** of the guidelines.
3. Contestants who arrive late will still be allowed to take the examination. However, no time extension will be given to them.
4. For this round, each contestant will be given a questionnaire and an answer sheet. Scratch papers will also be provided. A contestant must write their final answers on the answer sheet **using black or blue ink only**.
5. Misbehavior of a contestant during the examination such as cheating, physical aggression, and disruptive behavior, as determined by the proctor, is sufficient condition for the disqualification of the contestant concerned.
6. The **Top fifteen (15) teams** who will garner the highest accumulated scores in the elimination round will advance to the **final round**.

C. FINAL ROUND MECHANICS

1. The final round will be in the form of a **timed oral examination** and shall be conducted in English.
2. Clarifications from the contestants will be acknowledged only after the correct answer for that question has been given by the quizmaster. The contestant should raise their hand should they have any clarifications.
3. The contestant may speak once they are recognized by the quizmaster. Afterwards, the contestant may address his question or clarification to the judges. The judges' decision is final and irrevocable.
4. A strip of paper containing the question shall be given to each team. Answers to the question must be written on the answer sheet provided.
5. The final round will be divided into 3 rounds - Easy, Average, and Difficult.



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school's registrar or principal, participants may also use this template:
https://bit.ly/35thMATHEMATCH_COE; and,

3. *Consent Form* signed by either parent / guardian
(https://bit.ly/35thMATHEMATCH_CF).

- C. The UPLB Mathematical Sciences Society reserves the right to extend the registration period. In case of such adjustments, announcements will be made through the official page of MATHEMATCH (facebook.com/NatMATHEMATCH).

2. REGISTRATION FEE AND PAYMENTS

- A. The **registration fee** for this competition is **PhP 1,800 per team**. This fee will cover expenses related to the competition but not accommodation for participants. If the participant needs accommodation for the competition, the UPLB MASS may give a list of accommodations but is not liable for the expenses of it.
- B. Upon submission of the registration form, an invoice will be sent via email containing details and instructions for registration fee payment. **The slot for the team will only be considered confirmed once payment has been made.**
- C. The **deadline of payment is until October 3, 2023**. Payments to be made beyond the deadline and until October 10, 2023 is subjected to a penalty of PhP 200.
- D. The UPLB Mathematical Sciences Society reserves the right to extend the payment deadline. In case of such adjustments, announcements will be made through the official page of MATHEMATCH (facebook.com/NatMATHEMATCH).

IV. COMPETITION MECHANICS

A. GENERAL MECHANICS

1. The competition will cover topics in **Algebra, Arithmetic, Calculus, Geometry, Logic, Statistics, and Trigonometry**. Well-screened questions will be verified by UPLB Mathematics professors who will also serve as judges in the final round.
2. The entire competition shall be held on **October 14, 2023**. The registration will start at **7:00 AM**. Contestants may proceed to their respective room assignments by **8:30 AM**, thirty (30) minutes before the start of the preliminary round.
3. The preliminary round shall start at **exactly 9:00 AM** while the final round shall start at **exactly 1:00 PM** of the same day.
4. The contestant must be at the designated venue at least thirty (30) minutes before the start of the competition.
5. The venue for both preliminary and final rounds are to be announced but will be held inside the University of the Philippines Los Baños campus.
6. There shall be no changes made in the line-up of the contestants once the registration has ended. In case one of the students cannot participate in the competition for any valid reason, the school should send an email to UPLB MASS stating the reason for



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- a. Easy Round
 - Ten (10) questions will be asked. Each question will be read twice.
 - Each team 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 question will be read twice.
 - Each team 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 question will be read twice.
 - Each team 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.
 - d. Tie breaker Round
 - The tie breaker round is only for the case of a tie in the Top 3 positions after the difficult round.
 - Questions are to be asked until one team gets the correct answer. Each question will be read twice.
 - Teams may start answering the questions after the question is read once.
 - Teams will be given sixty (60) seconds to answer each question.
 - The first team to submit the correct answer will be declared the winner for the tie-breaker round.
6. The accumulated points from the Easy, Average, and Difficult Rounds shall determine the winners for this competition.

V. INSTRUCTIONS FOR ANSWERS

1. Answers should be in simplest form unless specified.
2. Fractions should be in lowest terms.
3. Do not express your answers in decimal form.
4. Answers should have units when applicable.
5. If a question asks for more than one answer, separate your answers using comma/s. (eg. 2,3,5)
6. Do not approximate constants such as e or π .
7. Use dash(-) for negative and/or subtraction signs.
8. Leave the answer sheet blank if you do not have an answer for the item.



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VI. WINNERS AND PRIZES

- A. Participants will receive certificates for their participation.
- B. The Top 15 team finalists will each receive a certificate of recognition.
- C. The Top scorer for the preliminary round will receive a certificate of recognition and medal.
- D. The final round winners will receive certificates of recognition and the corresponding prizes:

Place	Prize
1st Place	PhP 15,000 cash, 3 medals, and a trophy
2nd Place	PhP 10,000 cash, 3 medals and a trophy
3rd Place	PhP 5,000 cash, 3 medals and a trophy

- E. The winners of this competition will be announced after the tabulation of scores. A separate post for the winners of this competition will also be published through the official page of MATHEMATCH (facebook.com/NatlMATHEMATCH).

2) POSTER MAKING COMPETITION

I. ELIGIBILITY

- A. This Poster Making Competition is open to all Junior and Senior High School students nationwide.
- B. Each participating school must be represented by 1 registered student only.
- C. Participation in this competition means adhering to the competition guidelines set by the UPLB Mathematical Sciences Society.

II. REGISTRATION AND DEADLINES

1. REQUIREMENTS

- A. Interested participants should register through https://bit.ly/35thMSW_PosterMakingRegistration to secure their slots for the competition. The registration period shall start on **September 4, 2022 at 10:00 AM** and will end on **September 30, 2022 at 5:00 PM**. Only a maximum of **40 participants** will be accommodated, following a first come, first served basis.



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B. Upon registration, participants must accomplish and submit the following in pdf:

1. A copy of their most recent *School ID* (In case the school has not yet issued their school ID for A.Y. 2023-2024, the participant can submit *any high school ID or valid ID with the participant's picture*).
2. *Any Proof of Enrollment for A.Y. 2023-2024 (Certificate of Enrollment signed by the school's registrar or principal, participants may also use this template: https://bit.ly/35thMSW_PosterMakingCOE); and*
3. *Consent Form signed by either parent / guardian (https://bit.ly/35thMSW_PosterMakingCF).*

C. The UPLB Mathematical Sciences Society reserves the right to extend the registration deadline. In case of such adjustments, registered participants will be notified *via email*.

2. REGISTRATION FEE AND PAYMENTS

- A. The registration fee for this competition is **PhP 200 per participant**. In case that the participant came from a participating school of the MATHEMATCH, the registration fee is subject to 25% discount, thus the participant shall pay PhP 150 only. The fee will cover expenses related to the competition and for the food of the participant.
- B. Upon submission of the registration form, the Finance Committee will send an invoice to the submitted email address in the registration form containing details and instructions for registration fee payment. **The slot for the participant will only be considered confirmed once payment has been made.**
- C. The **deadline of payment is until October 3, 2023**. Payments to be made beyond the deadline and until October 10, 2023 is subjected to a penalty of PhP 100.
- D. The UPLB Mathematical Sciences Society reserves the right to extend the payment deadline. In case of such adjustments, registered participants will be notified *via email*.

III. COMPETITION PROPER

- A. Participants shall create a poster that expresses their creativity in integrating the underlying mathematical concepts in relation to the 35th Mathematical Sciences Week themed - *"AI Captain! Exploring the Vast Expanse of Artificial Intelligence"*.
- B. All entries must be drawn using **oil pastel** only. Each participant must provide their own oil pastel.
- C. All entries must be done on a $\frac{1}{2}$ illustration board to be provided by UPLB MASS.
- D. The competition will be conducted simultaneously with MATHEMATCH's preliminary round on **October 14, 2023 from 9:00 AM to 11:00 AM**. Participants will be given a maximum of two hours to finish their entries.
- E. The UPLB Mathematical Sciences Society shall have the sole right to post the entries in the official Facebook page of UPLB MASS.



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IV. CRITERIA FOR JUDGING

A. Entries will be judged using the following criteria:

Originality (15%)	Points
The poster portrays innovative ideas and fresh perspectives.	7.5
The poster displayed uniqueness in design and sets it apart from others.	7.5
Style (15%)	
The elements used in the poster such as color scheme, layout and typography are coherent.	7.5
The overall aesthetic of the poster follows the principles of symmetry, pattern, perspective and proportion.	7.5
Content (30%)	
The concepts of mathematics in artificial intelligence are effectively translated to visual form.	15
The illustrations used are necessary and relevant to the concept of artificial intelligence.	15
Relevance to the Theme (40%)	
The poster aligns with concepts related to mathematics behind artificial intelligence.	20
The poster conveys a clear understanding of the application of mathematics in artificial intelligence through the design elements.	20
TOTAL	100

B. The judges' decision is final and irrevocable.

V. WINNERS AND PRIZES

- Winners will be announced during the awarding ceremony of MATHEMATCH winners.
- Participants will receive a certificate for their participation.
- There will be three winners for this competition. The 1st Place, 2nd Place, and 3rd Place Winners. The winners will receive certificate of recognition and the corresponding prizes:



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Place	Prize
1st Place	PhP 3,000 cash and medal
2nd Place	PhP 2,000 cash and medal
3rd Place	PhP 1,000 cash and medal

3) TEACHER'S SEMINAR

- I. The seminar is **open to all teachers and coaches** participating in MATHEMATCH and Poster Making Contest.
- II. There is **no entry or registration fee** for this event.
- III. The seminar will be held on **October 14, 2023, 9:00 AM to 11:00 AM**, while the participating students are in the preliminary round of MATHEMATCH and in the Poster Making Contest.
- IV. The venue for the event is to be announced. Updates regarding the event will be posted in the official Facebook page of UPLB MASS (facebook.com/uplbmass1973).
- V. A certificate of participation will be given to each participant of the seminar.

4) PUZZLE OF THE WEEK

- I. The Puzzle of the Week is **open to all interested participants nationwide**. This contest will run from **October 2, 2023 to October 20, 2023**.
- II. There is **no entry or registration fee** for this contest.
- III. Participants must wait for the puzzle to be
 - A. published on the official page of UPLB MASS (facebook.com/uplbmass1973) every Monday at 10:00 AM of that week; or
 - B. posted on bulletin boards of Math Building and Physci Building every Monday of that week.
- IV. Participants shall answer the puzzle by commenting on the post with the correct answer, hashtags of the event, and tagging three friends.
- V. Participants can only participate until Friday, 5:00 PM of that week.
- VI. There will be three winners for this contest: the first participant who answered the puzzle correctly and two randomly chosen participants 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 Friday, 8:00 PM of that week.
- VIII. Winners shall receive Php 150 each. The processing of prizes will happen after the event has concluded.