



Republic of the Philippines  
**Department of Education**  
Region VI – Western Visayas  
**SCHOOLS DIVISION OF CAPIZ**

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In compliance with DepEd Order (DO) No. 8, s. 2013  
this advisory is issued not for endorsement per DO 28, s. 2001,  
but only for the information of DepEd SDO Capiz officials,  
personnel/staff, as well as the concerned public.  
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Attached is a letter from **Mr. Genesis Camarista**, Director (Region 6),  
Asian MathSci League, Inc. (AMSLI) regarding their proposed programs and  
activities.

For more information and inquiries, contact:

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**Asian MathSci League, Inc. (AMSIL)**

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August 19, 2023

**MIGUEL MAC D. APOSIN, Ed D, CESO V**

Schools Division Superintendent

Division of Capiz

Dear Sir:

Salutations!

On behalf of the Asian MathSci League, Inc. (AMSIL), I extend my deepest gratitude to you for the unwavering support and dedication over the years in the pursuit of promoting awareness and global standards in Mathematics in the Philippines.

Your generous contributions and collaboration have played a significant role in enabling AMSIL to carry out impactful programs that have made a meaningful difference in the lives of countless teachers and learners. Your belief in our aims has helped us grow and achieve milestones we once only dreamed of.

As we continue our mission to empower teachers and learners with world-class knowledge and skills, I kindly request your esteemed assistance in endorsing the programs we have designed for your Schools Division in the upcoming school year. Attached is the detailed description of the proposed programs and activities along with the respective schedule. These programs aim to cultivate a passion for Mathematics, Science, and Informatics in the minds of young learners, ensuring that they are well-equipped to face global challenges.

Moreover, we are happy to inform you that we are renewing our partnership with Capiz Commercial School as it used to be an AMSIL training center before the pandemic years. With this, we hope that our programs will be accessible to its primary beneficiaries, the learners, and teachers of your area.

With your endorsement and partnership, we are confident that more learners in your area will be equipped to compete and excel in the international platform, further bolstering the status of our Filipino learners in the global academic community.

Should you have any inquiries regarding our programs, please contact the undersigned.

Thank you for considering this invitation. We highly value your division's involvement and we look forward to welcoming your teachers for this enriching training-seminar.

Yours sincerely,

**GENESIS CAMARISTA**  
AMSIL Director, Region 6

Noted:

**RECHILDA VILLAME**  
AMSIL President

## AMSLI PROGRAMS

The Asian MathSci League, Inc. (AMSLI) is a prominent nonstock and nonprofit organization in the Philippines with a noble vision of fostering a world-class educational platform aimed at enhancing the skills of Filipino teachers and students in Mathematics, Science, and Informatics.

Founded in 2017, AMSLI has been committed to promoting academic excellence and empowering the nation's youth by providing them with opportunities to develop their knowledge and talents in crucial subjects. More so, the organization firmly believes that by nurturing the intellectual potential of teachers, it can contribute to the growth and progress of the Philippines as a whole.

With its staunch commitment to education and its role as a catalyst for positive change, the organization continues to make meaningful contributions to the educational landscape in the country through its teachers' trainings, students' trainings, and competitions. By nurturing and empowering the nation's teachers and learners, AMSLI aspires to shape a brighter future for Filipinos as a globally recognized race in the field of Mathematics, Science, and Informatics.

### A. TEACHERS' TRAININGS

To achieve its objectives, AMSLI has diligently led and hosted a diverse array of training programs and seminars which are **free of charge for teachers**. These initiatives cater to both elementary and secondary-level educators, empowering them with innovative problem-solving strategies and advanced subject knowledge. By honing the skills of teachers, AMSLI seeks to create a ripple effect, positively impacting a multitude of students across the country.

Following are the confabs and seminars for mentors on contents and teaching strategies for international competitions, and leadership training through the exposure of AMSLI Mentors to international fora as deputy team leaders of the Philippine team in global competitions.

#### Stage 1

This is a 1- to 2-day program in the division/region per subject area which focuses on content, problem-solving strategies, computational thinking, and science experiments.

#### Stage 2

This is a 10-Saturday training of teachers by mentoring top students from public and private schools which focuses on enhancing classroom learning competencies and helping students develop critical thinking skills.

#### Stage 3

This is a 3-day in-house training of teachers that focuses on in-depth knowledge acquisition and interaction with other mentors.

#### Stage 4

This is an exposure of mentors to international symposia and seminars coinciding with the student's participation in international competitions.

## **B. LEARNERS' TRAININGS**

Aligned with its objectives of establishing a world-class academic organization anchored to developing and improving the Mathematics, Science, and Informatics skills of Filipinos while developing interest and awareness about international competitions and educational programs, the Asian MathSci League, Inc. (AMSLI) offers its banners programs for learners.

These training programs are open to Grades 2 to 12 learners who are interested to enhance their skills and are willing to take the challenges of the enrichment training.

To gauge whether prospective trainees would be able to tackle the challenging tasks in AMSLI's training a Qualifying Examinations for each subject is administered.

During the training, all trainees will be assessed through quizzes, graded activities, and examinations which cover topics discussed. At the end of each program, awards will be received by top performing students in each grade level and shall be further classified as follows:

- The top 20% of each grade level will receive an **AMSLI Achiever Medal and Certificate**. The Achievers will be further classified into **With Highest Honors, With High Honors, and With Honors** in the ratio 1:2:3 (approximately and depending upon the scores).
- The next 10% of each grade level will receive a **Certificate as AMSLI's Distinction Awardees**.
- Trainees who attended and actively participated in all 10 sessions will receive a **Certificate of Perfect Attendance**.
- Trainees who actively participated in at least 7 sessions will receive a **Certificate of Completion**.
- Trainees who actively participated for 5 or 6 sessions will receive a **Certificate of Participation**.

A minimal amount of Php50.00 is charged for the Qualifying Examination, to cover the administration and cost of materials, while a registration fee of Php 3,800.00 will be charged to every trainee inclusive of the session materials and free registration to some AMSLI-affiliated international competitions. Participation of the learners to the offered programs shall be understood **voluntary**.

Schedule for SY 2023-2024:

Qualifying Examination: Sept 16, 2023

Training Sessions: Oct 6, 13, 20, 27, Nov 3, 10, 17, 24, Dec 1, Dec 8

### **1. AMSLI's Mathematics Enrichment Program (AMEP)**

AMEP is designed to enrich the mathematical concepts learned in school math classes. These ten 3-hour sessions provide the trainees more opportunities to develop their critical thinking and problem-solving skills under the tutelage of the trained and selected AMSLI Math mentors.

### **2. AMSLI's Science Enrichment Program (ASEP)**

ASEP is designed to enrich science concepts learned in school science classes. The ten 3-hour sessions provide the trainees with more exploration challenges and relevant learning opportunities to develop their critical thinking skills under the tutelage of the selected AMSLI Science mentors.



### 3. AMSLI's Informatics Enrichment Program (AIEP)

AIEP is designed to enhance students' computational thinking and coding skills. The programs used are suitable for students' age levels. Computational thinking involves using a set of problem-solving skills and techniques that software engineers use to write programs and apps. AMSLI, through AIEP, promotes problem-solving skills and Informatics concepts including the ability to break down complex tasks into simpler components, algorithm design, pattern recognition, pattern generalization, and abstraction. There are 4 classes:

- a. Computational Thinking 1 and Scratch 1 (Elem AIEP Beginners)
- b. Computational Thinking 2 and Scratch 2 (Elem AIEP Advanced)
- c. Computational Thinking 3 and Python 1 (HS AIEP Beginners)
- d. Computational Thinking 4 and Python 2 (HS AIEP Advanced)

### 4. Send-Off Training

Send-Off Training is a e training program for AMEP, ASEP, and AIEP Achievers and Distinction Awardees designed to prepare them for global-international competitions. A minimal amount is collected for the materials.

## C. INTERNATIONAL COMPETITIONS FOR LEARNERS

At the core of AMSLI's mission lies the introduction and facilitation of various international competitions that serve as exciting platforms for Filipino learners to showcase their academic prowess on a global stage. By participating in these international events, learners are encouraged to push their boundaries, enhance their 21<sup>st</sup> Century skills, and elevate their understanding of Mathematics, Science, and Informatics.

AMSLI's dedication to fostering a culture of academic excellence has not only raised the bar for educational standards in the Philippines but has also provided learners with invaluable experiences and lifelong skills. Through these competitions, AMSLI strives to instill in students a love for learning, critical thinking, and collaboration – qualities that are essential for their future success in an ever-evolving world.

These international competitions are open to various levels, from Grades 1-12. Learners are offered in the online and onsite modality as determined by the international organizing committees of each contest. Vital information such as contest qualifiers, mechanics, regulations, requirements, awards, and further updates are made available at <https://amsliphil.com/events> and <https://amsliphil.blogspot.com/>.

### 1. Mathematics Competitions

- a. Math Without Borders (MWB) Tournament  
<http://mathematicalmail.com/>

MWB is an international tournament for students aged 8 to 18 years who are divided into nine age groups. This Bulgaria-based mathematics competition has two remote rounds and a final round happening in a year-round cycle. The remote rounds are facilitated by partner organization in respective countries while the Final Round happens in the Old Town of Nessebar, Bulgaria.

#### *Schedule of Competitions*

- Autumn Round : month of October

- Winter Round : month of January
- Final Round : either June or July

b. Singapore and Asian Schools Math Olympiad (SASMO)  
<https://sasmo.sg/>

The Singapore and Asian Schools Math Olympiad (SASMO) aims to stretch the untapped thinking potential of students and instill 'mathematical confidence' in them. SASMO has a high focus on nonroutine problems. It is hoped that SASMO will help students improve in school mathematics as well as develop higher-order thinking skills (HOTS).

After the competition, each participant is provided access of an item analysis of his/her performance. Also, respective schools are given access to the school performance reports.

The SASMO Gold, Silver, Bronze medalists are qualified to join the Singapore International Math Olympiad Challenge (SIMOC) being held annually in a university in Singapore. Moreover, Gold and Silver medalists are qualified to join the International Junior Math Olympiad Challenge (IJMO) facilitated internationally.

*Schedule of Competition*

- Month of April

c. Singapore International Math Olympiad Challenge (SIMOC)  
<https://simoc.sg/>

The Singapore International Math Olympiad Challenge (SIMOC) is a unique concept of mathematics competition that not only tests the students' ability to solve mathematical problems but also tests their ability to work as a team to play interactive mathematical games and solve puzzles. SIMOC allows one to compete with top mathematical talents from around the world and learn from each other as a team. Individual and team recognition awards are up for grabs.

*Schedule of Competition*

- Month of July
- Held in Singapore

d. American Math Olympiad (AMO)  
<https://amo.sg/>

The American Math Olympiad (AMO) is an international competition for elementary, middle, and high school students that is jointly organized by the Singapore International Mastery Contest Center (SIMCC) and Southern Illinois University (SIU) and facilitated in the Philippines by AMSLI. Some of AMO's distinguished key benefits are University and Global Scholars Programs, International Junior Honor Society (IJHS) membership, tuition grants, and internships.

*Schedule of Competition*

- Month of October



- e. International Junior Math Olympiad (IJMO) [*STEAM Ahead Competition (Science, Technology, Engineering, Arts, and Mathematics)*]  
<https://simcc.org/event/steam-ahead/>

IJMO is an international mathematics competition held annually in different countries across Asia. IJMO is organized by SIMCC in collaboration with the National Math Societies in Asian countries to identify and encourage potential young math talents in every SIMCC participating country.

**IJMO is an ideal platform to showcase every student's potential and talent in math in the international math competitions arena. It empowers students with deep conceptual understanding and logical thinking skills and effectively stretches every student's potential - allowing them to better apply higher-level logical and analytical skills to solve challenging Math Olympiad problems. Questions in IJMO are carefully designed to develop every student's higher level of conceptual understanding and logical thinking skills.**

*Schedule of Competition*

- Month of December
- Held in different country every year

- f. World Math Invitational (WMI) Tournament  
<http://www.wminv.org/>

The World Mathematics Invitational (WMI) is the first international competition founded by Taiwan. It gathers institutes and organizations worldwide that make efforts in promoting and popularizing mathematics. Through interacting with other math-loving students that represent their countries, students can expand their worldviews, experience different cultures, and thus their horizons as well as their future will be broadened.

The preliminary round is facilitated in the country by AMSLI while the Final Round happens in different countries every year. Only the gold, silver and bronze medalists in the preliminary round can join the Final Round.

*Schedule of Competition*

- Preliminary Round: March
- Final Round: July

- g. American Regions Math League/International Regions Math League (ARML/IRML) [https://www.arml.com/ARML/arml\\_2019/page/index.php](https://www.arml.com/ARML/arml_2019/page/index.php)

The American Regions Mathematics League's annual competition brings together US finest students. They meet, compete against, and socialize with one another, forming friendships and sharpening their mathematical skills. The International Regions Mathematics League (IRML) is the international extension of ARML. The Philippine team, together with the other international teams, compete in IRML.

The contest is written for high school students, although some exceptional junior high students attend each year. The competition consists of several events, which include a team round, a power round, an individual round, two relay rounds, and a super relay.

### *Schedule of Competition*

Week-end closest to Memorial Day, a holiday in the US  
Held in 4 different sites in the US, one of which is in the  
University of Nevada, Las Vegas, USA

#### h. World Mathematics Team Championship (WMTTC)

<https://wmtc.international/?ckattempt=1>

The World Mathematics Team Championship is an international math competition that emphasizes developing good teamwork skills among the participants. The preliminary round is facilitated in the country by AMSLI while the Final Round happens in different countries every year.

### *Schedule of Competition*

- Preliminary Round: August
- Final Round: November

## 2. Mathematics and Science (Combined) Competitions

<https://asmopss.id/>

Asian Science and Mathematics Olympiad for Primary Schools (ASMOPSS Math & ASMOPSS Science)

Asian Science and Mathematics Olympiad for Primary Schools and Secondary Schools (ASMOPSS 12) is an international competition initiated by Prof. Yohanes Surya, PhD, Founder of Surya Institute. The goal of this olympiad is to encourage young students to embrace science and math from an early age and enhance the development of international contacts amongst countries within the Asian region in the field of primary school education especially in science and mathematics.

### *Schedule of Competition*

- Qualifying Round : September
- National Round : October
- International Round : November

## 3. Science Competitions

#### a. Vanda Science Global Competition (Vanda) [*STEAM Ahead Competition (Science, Technology, Engineering, Arts, and Mathematics)*]

<https://simcc.org/event/steam-ahead/>

VANDA Science Global Competition is held annually around the globe. It focuses on the student's ability to think critically and creatively to pick out hidden information to aid them in solving the question.

VANDA is for students from primary 3 to secondary 4 (Grade 3 to Grade 11). It follows the Singapore School Science Syllabus with a focus on higher-order thinking skills.

Vanda Global Science Competition is held abroad. Qualifiers are the gold, silver and bronze medalists in the Vanda Science International Competition facilitated in the country by AMSLI.

### *Schedule of Competition*

- Vanda Science International Competition – month of June
- Vanda Science Global Competition - month of December



#### 4. Informatics Competitions

- a. Design Thinking with Robotics and Computational Thinking International Competition (Dr CT) [*STEAM Ahead Competition (Science, Technology, Engineering, Arts, and Mathematics)*]  
<https://simcc.org/event/steam-ahead/>

Design Thinking with Robotics and Computational Thinking International Competition (Dr CT) offers an interesting and fun platform for students to excel in computational thinking, problem-solving, analytics, artificial intelligence, and robotics.

Using computational thinking allows students to have a systematic approach to learning programming. Combining design thinking and robotics provides an intuitive introduction to programming.

- Dr CT International Competition: month of June
- Dr CT Global Finals: month of December

- b. Bebras Challenge

<https://www.bebas.org/>

Bebras International Challenge on Informatics and Computational Thinking is an international challenge on informatics and computer fluency for all ages of school students.

The Bebras challenge is organized annually across all member countries. Currently, 78 countries across the globe are Bebras members. AMSLI has been granted NBO (National Bebras Organizer) status in 2021.

##### *Schedule of Competition*

- Preliminary Round : November
- Final Round : January