



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

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**Division Advisory No. 005, s. 2022**  
January 25, 2022

**To: Chiefs, CID and SGOD**  
**Public Schools District Supervisors**  
**Public and Private Elementary and Secondary School Heads**  
**OIC-Department Head of DICNHS-Math Dept.**  
**Public and Private Elementary and Secondary School Teachers**

**INVITATION FOR ATTENDANCE TO THE 25<sup>TH</sup> YOUTH MATHEMATICS,  
SCIENCE, AND TECHNOLOGY (YMSAT) FESTIVAL**

1. This is in reference with DepEd Region XI Advisory No. 010 dated January 20, 2022, re: Advisory from the Office of the Undersecretary for Curriculum and Instruction regarding the 25<sup>th</sup> Youth Mathematics, Science, and Technology (YMSAT) Festival inviting public and private school teachers and learners to participate in the series of virtual workshops, talks, competitions and exhibits for the festival on February 9, 2022 to March 2, 2022.
2. Participation to the said activity shall be on official time only 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."
3. All other details of the activity are in the enclosure and/or in the Facebook page of the YMSAT 2022 thru the link: <https://www.facebook.com/ymsat2022>.
4. Please be guided accordingly.



**CRISTY C. EPE**  
Schools Division Superintendent



RECORDS

RECORDS FILE



Republic of the Philippines  
**Department of Education**  
DAVAO REGION

**Office of the Regional Director**

DEPED REGION XI ADVISORY NO. 010  
January 20, 2021

This advisory is issued for the information of All Schools Division Superintendents

Herewith is the advisory from the Office of the Undersecretary for Curriculum and Instruction regarding the 25<sup>th</sup> Youth Mathematics, Science, and Technology (YMSAT) Festival inviting public and private school teachers and learners to participate in the series of virtual workshops, talks, competitions and exhibits for the festival on February 9, 2022 to March 2, 2022.

Participation to the said activity shall be on official time only 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."

All other details of the activity are in the enclosure.

Please be guided accordingly.

**ALLAN G. BARNAZO**  
Director IV  
*[Signature]*

Enclosed: As stated

ROC6/mlib

DEPARTMENT OF EDUCATION  
OFFICE OF THE REGIONAL DIRECTOR  
DAVAO REGION  
*[Signature]*  
Date: 10-24-21 P: 25 A



Address: F. Torres St., Davao City (8000)  
Telephone Nos.: (082) 291-1665; (082) 221-6147





14 Jan. 2022

9:01

## ADVISORY

December 13, 2021

### 25TH YOUTH MATHEMATICS, SCIENCE, AND TECHNOLOGY (YMSAT) FESTIVAL

The **Philippine Science High School (PSHS) Main Campus** will host the **25th Youth Mathematics, Science, and Technology (YMSAT) Festival** from **February 9 to March 2, 2022** with the theme "*STEM Through the Looking Glass: Learning from the Past, Gearing up for the Future*". The festival seeks to underscore the importance of learning from the past and exercising strategic foresight in an ever-changing global landscape.

The PSHS invites public and private school teachers and learners to participate in the series of virtual workshops, talks, competitions and exhibits for the said festival. These aim to (1) upskill and reskill educators, highlighting the importance of futures thinking and creative solutions in STEM education; (2) spread awareness of the importance of STEM for sustainable societies; and (3) equip participants with knowledge and STEM skills essential for nation, among others. The program of activities is attached to this Advisory.

Participation of public and private schools is on voluntary basis and shall be subject to the no-disruption-of classes policy stipulated in DepEd Order No. 9, s. 2005 titled *Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith*. This is also subject to the no-collection policy as stated in Section 3 of Republic Act No. 5546, *An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Project or Purpose from Students and Teachers of Public and Private Schools, Colleges and Universities* (Ganzon Law).

For more information, interested participants may visit and follow the festival's official Facebook page (<https://www.facebook.com/ymsat2022>) or send an email at [ymsat2022@pshs.edu.ph](mailto:ymsat2022@pshs.edu.ph).

  
**DIOSDADO M. SAN ANTONIO**  
Undersecretary for Curriculum and Instruction

PHILIPPINE SCIENCE HIGH SCHOOL  
MAIN CAMPUS

TRANSFORMATION BEGINS WITH REFLECTION

# YMSAT 2022

YOUTH MATHEMATICS SCIENCE ARTS TECHNOLOGY

STEM Through the Looking Glass:  
Learning from the Past, Gearng Up for the Future

#YMSAT2022

## EVENT PROGRAMME

(FOR GUESTS)

1688 JARY 9, 2022 TO MARCH 7, 2022

Please note that this programme is subject to change. Follow our official Facebook page ([facebook.com/YMSAT2022](https://facebook.com/YMSAT2022)) to get notified on updates.

**YMSAT**  
YOUTH MATHEMATICS SCIENCE ARTS TECHNOLOGY

PHILIPPINE SCIENCE HIGH SCHOOL  
MAIN CAMPUS



### DAY 1: FEBRUARY 9, 2022

8:00 to 9:50 AM Opening Ceremonies

Livestreaming via YouTube and Facebook

10:00 to 10:50 AM Keynote Message

Fr. Bienvenido E. Nebres, S.J.  
National Scientist  
Professor Emeritus, Ateneo de Manila University

11:00 to 11:50 AM Plenary Session

"Developing Scientific Literacy in the Time of Infodemic"  
Dr. Ten AB Ling  
Associate Professor, National Institute of Education,  
Nanyang Technological University, Singapore

12:00 to 1:00 PM Lunch Break

1:00 to 3:50 PM Parallel Sessions

- **Sweet Talk: The Chemistry of Sugars (Workshop for Teachers)**  
Ms. Maria Magdalena Esquivel and Ms. Judith Tolosa
- **Intro to Engineering's Energy Auditing Activity for High School Students**  
Mr. Alejandro Tuzon
- **Art and Design Toy Making and Customizing**  
Mr. Ervin Sanchez
- **Excel for Teachers**  
Ms. Edlen Mae Sanchez

1:00 to 3:50 PM Parallel Sessions

- **Online Tools for Teaching Statistics**  
Mr. Mark Louville Parulan and Ms. Lady Dione Ciranda
- **The Power of Formative Assessment Practices on Engaging Students**  
Ms. Christopher Von Cruz
- **Designing Lessons in Algebra Using GeoGebra Applets, Desmos, and other ICT Tools**  
Ms. Ma. Cristina Aguin and Mr. Jayson Estanar

\*The PSHS MC students' creative outputs in their literacy subjects will be exhibited online throughout the duration of YMSAT 2022. The online exhibit will be posted on our Facebook page.

Note: The programme is subject to change. Follow our official Facebook page ([facebook.com/YMSAT2022](https://facebook.com/YMSAT2022)) to get notified on updates.

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**DAY 2: FEBRUARY 16, 2022**

- 7:50 to 8:00 AM** Highlights of Day 1
- 8:00 to 8:50 AM** **Plenary Session**  
**"Responsible Innovation and Developing Meaningful Collaborations in STEM"**  
**Dr. Fabian Antonio M. Day Jr.**  
 President, Integrated Scientists of the Philippines  
 Professor Emeritus, Ateneo de Manila University
- 9:00 to 11:50 AM** **Parallel Sessions**
- The Physics of Superheroes: Improving Students' Interest in Physics**  
 Mr. Eddie Neil Banaloy
  - Design Thinking for Teachers: Developing Learning Materials that Increase Student Engagement**  
 Mr. Boon Loon
  - Structures for Maintaining Online Sync Classes**  
 Ms. Doriane Arce Gustilo
  - Teaching in the Time of COVID**  
 Mr. Jonlin Roy Guce
  - The Language of Mathematics**  
 Ms. Sarah Jessica Napoles
  - Through the Learning Glass**  
 Ms. Ditch Liza Cabanero
- 12:50 to 1:00 PM** Lunch Break

- 1:00 to 3:50 PM** **Parallel Sessions**
- Practical Astronomy for Junior High School Teachers**  
 Mr. Bernard Usguino
  - Bio Experiments You Can Do at Home**  
 Ms. Rhozel Ann Bernal
  - Teaching about the Tree of Life: Activities that Bring Tree-thinking into the Basic Education Classroom**  
 Ms. Dawn Critchley
  - Learning Playbooks: A Basket of Assessment Activities in Agriculture**  
 Mr. Christian Abugot
  - Community Research**  
 Mr. Efran Domingo
  - Quest for Wholeness from Shattered Windows**  
 Ms. Jennifer Belintoad
  - Ways Parents can Support STEM Learning**  
 Ms. Dawnmarie Dionis
  - Values in STEM: Perspectives and Best Practices**  
 Mr. Nestor Basquez

- \*\*STUDENT COMPETITIONS**
- 9:00 to 11:50 AM** **Philippine Online Physics Olympiad**  
 Opening Ceremony  
 Open to all High school students
- 9:00 AM to 4:50 PM** **Togawa ng Maththink 2022**  
 Open to Grades 4 to 6 students

The PSHS-MC students' creative outputs in their Biology projects will be exhibited online throughout the duration of YMSAT 2022. The online exhibit will be viewed on our Facebook page.

Note: This program is a subject learning. Please follow our school Facebook page (<https://www.facebook.com/psahs2022>) to get notified on updates.



**DAY 3: FEBRUARY 23, 2022**

- 8:50 to 9:00 AM** Highlights of Day 2
- 9:00 to 9:50 AM** **Plenary Session**  
**"The Power of Mathematical Thinking in Today's World"**  
**Dr. Queena M. Lee-Chao**  
 Professor, Ateneo de Manila University
- 9:00 to 11:50 AM** **Parallel Sessions**
- Science at Home (Workshop for High School Teachers)**  
 Ms. Yna Carmela Mongcal and Ms. Marissa Orta
  - 30th CARE Celebrations: Starting a Club Journey**  
 Ms. Sofia Docto
  - Bridging the Gap Between Expectations and Reality: Sustainable Assessment of Creative Performance Tasks in STEM**  
 Ms. Karmeline Reyes and Ms. Ester Carmela Barquilla
  - Introduction to Makers and 3D Printing**  
 Mr. Alejandro Tuzson

**\*\*STUDENT COMPETITIONS**

- 9:00 AM to 1:50 PM** **Math Inter-campus Competition**  
 Open to Philippine Science High School students
- 1:00 to 3:50 PM** **Philippine Online Physics Olympiad**  
 Discussion Forum

**DAY 4: MARCH 2, 2022**

- 8:00 to 11:50 AM** **Philippine Online Physics Olympiad**  
 Closing Ceremony
- 4:00 to 4:30 PM** **Closing Ceremonies**  
 Livestreaming via YouTube and Facebook

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