



Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS
DIVISION OF CITY SCHOOLS - TAGBILARAN CITY

**Office of the Schools Division
Superintendent**

September 2, 2024

DIVISION MEMORANDUM

No. 604 , s. 2024

**NATIONAL SCIENCE AND TECHNOLOGY WEEK ACTIVITIES
(DOST – Philippine Science High School – Central Visayas)**

To: All Public and Private Elementary School Heads
All Public and Private Secondary School Heads
All Others Concerned

1. This has reference to the Regional Memorandum No. 775, S. 2024 dated August 27, 2024, titled **National Science and Technology Week Activities (DOST – Philippine Science High School – Central Visayas)**.
2. This Office, through the Curriculum Implementation Division (CID) would like to invite all public and private elementary and secondary schools to join the National Science and Technology Week (NSTW) with series of activities namely:
 - 2.1 **Regional Sci-Math Battle 2024** open to all Grade 6 learners.
 - 2.2 **Research Poster Presentation** open to all Junior and Senior High School learners
 - 2.3 **Robotics Competition** open to all Grade 7 to 10 Learners.
3. Kindly refer to the attached letter from Department of Science and Technology – Philippine Science High School – Central Visayas Campus for the guidelines and mechanics.
4. The involvement of students and teachers/educators from both public and private schools is contingent upon the decision of the Schools Division Superintendent and is subject to compliance with no-disruption-of-classes policy outlined in DepEd Order No. 9, s. 2005, titled “Instituting Measures to Increase Engaged Time-On-Task”. Additionally, participation in the activity must adhere to the no-collection policy as articulated in Section 3 of RA No. 5546, “An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Projects or Purpose from Students and Teachers of Public and Private Schools.
5. Immediate and wide dissemination of this memorandum is desired.

WILFREDA D. BONGALOS PhD CESO V
Office of the Schools Division Superintendent

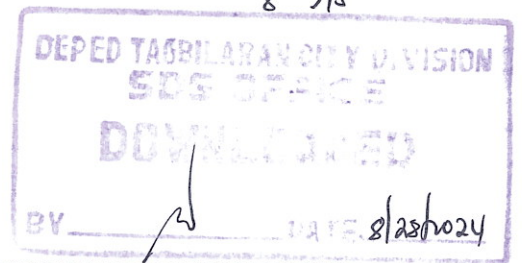
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Republic of the Philippines
Department of Education
REGION VII - CENTRAL VISAYAS



Office of the Regional Director

REGIONAL MEMORANDUM

No. **778**, s. 2024

27 AUG 2024

**NATIONAL SCIENCE AND TECHNOLOGY WEEK ACTIVITIES
(DOST - Philippine Science High School - Central Visayas)**

To: Schools Division Superintendents
All Others Concerned

- Attached is a communication from Dr. Rachel Luz V. Rica, Campus Director of the DOST-Philippine Science High School - Central Visayas, inviting participants to join the National Science and Technology Week (NSTW) with series of Activities: Regional Sci-Math Batte 2024; Robotics Competition; and Research Poster Presentation on different dates and venues.
- The involvement of learners and teachers/educators/leaders from both public and private schools is dependent upon the approval of the Schools Division Superintendent and is subject to compliance with the no-disruption-of-classes policy outlined in DepEd Order No. 9, s. 2005, titled "Instituting Measures to Increase Engaged Time-On-Task." Additionally, participation in the activity must adhere to the no-collection policy as articulated in Section 3 of RA No. 5546, "An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Projects or Purpose from Students and Teachers of Public and Private Schools."
- For information and dissemination.

SALUSTIANO T. JIMENEZ EdD, JD, CESO III
Director IV
Regional Director

STJ/FYA/CLMD/MJCD/bca



Doña M. Gaisano St., Sudlon, Lahug, Cebu City
Telephone Number: 639773295904 local 700

DepEd Tayo Region VII

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Republic of the Philippines
DEPARTMENT OF SCIENCE AND TECHNOLOGY
PHILIPPINE SCIENCE HIGH SCHOOL - CENTRAL VISAYAS CAMPUS

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15 August 2024

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11:07

SALUSTIANO T. JIMENEZ, JD, EdD, CESO III
 Regional Director
 Department of Education Regional Office VII
 Sudlon, Lahug, Cebu City

Dear Director Jimenez:

Greetings of Peace!

The Department of Science and Technology (DOST) will celebrate this year's **National Science and Technology Week (NSTW)**. All agencies and regional offices of the DOST will be one in celebrating this annual event. Several activities are lined-up to showcase recent innovations, scientific research, and the latest inventions of men and women in science and the services the DOST offers to the Filipino people.

We, at **Philippine Science High School-Central Visayas Campus**, are pleased to invite interested students and schools under your good office to participate in the upcoming activities:

- o **Regional Sci-Math Battle 2024,**
- o **Robotics Competition, and**
- o **Research Poster Presentation.**

In addition, we would like to invite elementary and high school students to witness these activities.

These competitions are designed for students with the aim of providing them with opportunities to demonstrate their critical thinking, problem-solving, and communication skills. Specifically, the Sci-Math Battle aims to foster academic excellence in Science and Mathematics and friendly competition among **Grade 6 students**. The Research Poster Presentation and Robotics Competition encourage **high school students** to showcase their understanding of scientific concepts, research methodologies, and scientific communication through inquiry-based projects or research. Both contests are geared towards enhancing students' academic abilities and promoting a passion for learning and inquiry.

For more details such as important dates and registration, please refer to the enclosed activity guidelines and mechanics.

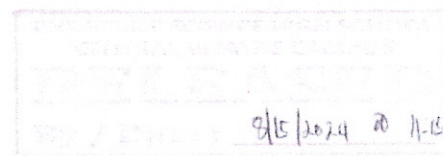
We kindly request your endorsement of these events through an advisory to facilitate the participation of schools within Region VII (Central Visayas). Your support will be instrumental in ensuring the success of these activities and providing valuable opportunities for student growth.

We look forward to your positive response and the enthusiastic participation of your schools in these events. Should you require any additional information or have any inquiries, please contact **Mr. Ranulfo F. Cala**, our Campaign Lead, at rfsala@cvisc.pshs.edu.ph or **(032) 485-1000 loc 5014**.

Thank you for your attention and support.

Sincerely,

RACHEL LUZ V. RICA, PhD
 Director III



8/15/2024 at 11:07
 2024-08-52



Republic of the Philippines

DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL VISAYAS CAMPUS



2024 National Science and Technology Week (NSTW)

REGIONAL SCI-MATH BATTLE 2024

ACTIVITY GUIDELINES AND MECHANICS

In line with the upcoming Sci-Math Battle 2024, all participants must observe the following activity guidelines and examination mechanics.

I. Eligibility and Registration

1. Interested participants must be bona fide Grade 6 students from Central Visayas endorsed by their respective School Heads.
2. Each school may endorse up to two (2) student-participants.
3. In the course of the student's participation, schools may appoint teacher-coaches who will assist the students in their preparation for the division elimination and other related activities.
4. The registration requirements include (1) a parental consent form, (2) certification and endorsement, and (3) school ID or any proof of enrolment.
5. After the registration deadline, teacher-coaches will receive a confirmation email. They will also be added to the Sci-Math Battle 2024 Facebook group.
6. Confirmation of participation in the activity shall mean that students, teachers, and schools agree to comply with the Sci-Math Battle 2024 guidelines and mechanics.
7. Registration is open **until Friday, September 6, 2024, at 1:59 PM.**
8. The links for registration and registration documents are as follows:

Registration Link: bit.ly/SciMathBattle2024Registration

Registration Requirements: bit.ly/SciMathBattle2024Requirements

II. Orientation and Pre-Elimination Activities

1. Once the teacher-coaches confirm their school's participation, the participants will be enrolled in an online platform.



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2. The participants' login credentials, along with the details of the virtual orientation program and elimination simulation, will be shared with the teacher-coaches after the enrollment process via email.
3. All participants and teacher-coaches must attend the virtual orientation program scheduled on the morning of September 12, 2024. The elimination simulation will follow immediately after.
4. During the orientation and simulation, all participants must provide a 360-degree view of the room or location where they will be participating in the Sci-Math Battle Division Elimination to ensure the integrity of the competition.
 - a. Participants must have access to a quiet environment, equipped with electricity, a PC or laptop with a webcam and microphone, and a stable internet connection.
 - b. In case of sudden disconnection during the Division Elimination round, participants can reconnect within 5 minutes and continue taking the examination.
 - c. To mitigate potential issues such as internet or power interruptions, participants and teacher-coaches are advised to prepare a backup internet device and power bank.

III. Sci-Math Battle 2024 Division Elimination Mechanics

1. The Sci-Math Battle Division Elimination will be held on September 13, 2024, and will follow an examination format.
2. The examination will cover content from Grade 4 Science, Mathematics, current events, and emerging technologies.
3. The examination will be conducted in an online platform, specifically within the Sci-Math Battle 2024 Course Site. Participants must use the login credentials provided via email.
4. Participants must also log in to Zoom and enter their designated breakout room. The Zoom meeting room will open one hour before the examination starts, allowing time for technical checks, a review of guidelines, and final reminders.
5. The examination will begin promptly at 2:00 pm and will close at 3:30 pm.
6. During the examination, only participants are allowed in the examination room. No calculators or other electronic devices are permitted, except those used solely for proctors' monitoring. The use of virtual backgrounds is also prohibited.



7. The examination will consist of multiple-choice and short-response questions, categorized into easy, average, difficult, and clincher rounds. The distribution of items and points is as follows:

EASY:	15 items at 1 point each
AVERAGE:	12 items at 2 points each
DIFFICULT:	9 items at 4 points each
CLINCHER:	3 items at 1 point each
8. The examination will last 1.5 hours (90 minutes), after which it will close, and all attempted answers will be automatically submitted.
9. Participants must click the **"SUBMIT ALL AND FINISH"** button before the exam closes at 3:30 pm.
10. If a tie occurs, the items in the clincher round will be evaluated by the tabulators using a "sudden death" format. The order of checking will be clincher item 1, followed by clincher item 2, and lastly, clincher item 3.
11. Participants must click the **"FINISH REVIEW"** button after reviewing their answers. They must remain seated and on standby for instructions from their assigned proctors.
12. If a tie persists, a separate clincher round may be conducted.
13. After the scores are verified by the tabulators, the participants who will represent their respective divisions in the Sci-Math Battle 2024 Finals will be announced. Instructions pertinent to the final round will be sent via email.

IV. Sci-Math Battle 2024 Finals Mechanics

1. The Sci-Math Battle 2024 Finals will take place at the Robinsons Dumaguete, Dumaguete City, Negros Oriental on October 4, 2024.
2. The final round will consist of three rounds, each with an increasing level of difficulty.
 - a. The easy round is made up of ten questions. Each correct answer is equivalent to 5 points. Each correct answer in the average round, which is made up of seven questions, is worth 7 points. The final round has five questions, with each correct answer equivalent to 10 points.
 - b. The participants will be given 10 seconds to answer the questions in the easy round, 30 seconds in the average round, and 60 seconds in the difficult round.
3. Winners will be determined by the total points accumulated across all rounds.



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PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL VISAYAS CAMPUS



Certificate No. PNP-QMS 21 33 001

4. In the event of a tie, the tied participants will enter a tiebreaker round.
5. Only protests made by the participants and teacher-coaches will be acknowledged by the quiz master or host who will refer the matter to the board of adjudicators, whose decisions will be final and irrevocable.
6. Protests must be made before the next question is read by the quiz master or shown on the screen.

V. Honesty Pledge

Everyone concerned should be responsible for protecting and maintaining the competition's integrity. Joining this competition means the participants will only submit answers that result from their own efforts. **Using calculators, mobile apps, or computer software, consulting with anyone, and using physical or online references are prohibited.** Joining the competition shall also mean being aware of the disqualification if proven to have violated the rules.

VI. Winners and Prizes

1. Each participant and teacher-coach shall receive a certificate of participation. The top three participants and their teacher-coaches will also receive certificates of recognition.
2. The top three participants will receive STEM kits and other prizes.
3. The winners of this competition will be announced not only during the awarding ceremony but also through the PSHS-Central Visayas Campus's official Facebook page.



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PHILIPPINE SCIENCE HIGH SCHOOL - CENTRAL VISAYAS CAMPUS



2024 National Science and Technology Week (NSTW)

CALL FOR PAPERS GUIDELINES

The Philippine Science High School – Central Visayas Campus (PSHS-CVisC) will celebrate its annual **Regional Science and Technology Week (RSTW)** on **October 3, 2024**, at **Robinsons Dumaguete, Dumaguete City, Negros Oriental**. One of the celebration's highlights is a research presentation for **secondary students from public and private schools in Region 7**. The research forum is open to all secondary students performing STEM research in their respective schools. The objectives of this research forum are as follows:

- Expose high school students performing STEM research to scientific communities;
- Present research output to a scientific forum through **poster presentations** and receive feedback from experts; and
- Establish links to different institutions for a possible publication of research outputs.

If you are interested in participating in this research forum, please **thoroughly read the guidelines prior to submission**.

APPLICATION

1. **Eligibility:** All secondary students from public and private schools in **Region 7** are eligible to submit their papers for presentation.
2. **Categories:** The research topic must be related to one of the following categories:
 - a. **Life Science**
 - b. **Physical Science**
 - c. **Engineering**
 - d. **Mathematics**
 - e. **Computer Science**

For interdisciplinary papers, students may choose the closest category to their research.

3. **Format and Word Count:** The research abstract must follow the template (see **page 3**) and have a maximum of **300-word count**.
4. **Schedule of Call for Abstracts:** The call for abstracts **ends on September 20, 2024**. Abstracts submitted beyond the deadline will no longer be considered.

5. **Submission:** The **research adviser or coach** must submit the abstract in **PDF format**. Submit the abstract to this email address: ebguia@cvisc.pshs.edu.ph. Write **Abstract Submission** as the subject of the email. The file name should be the **research category and title**, as shown below.

Life Science_Research Title.pdf

SCREENING

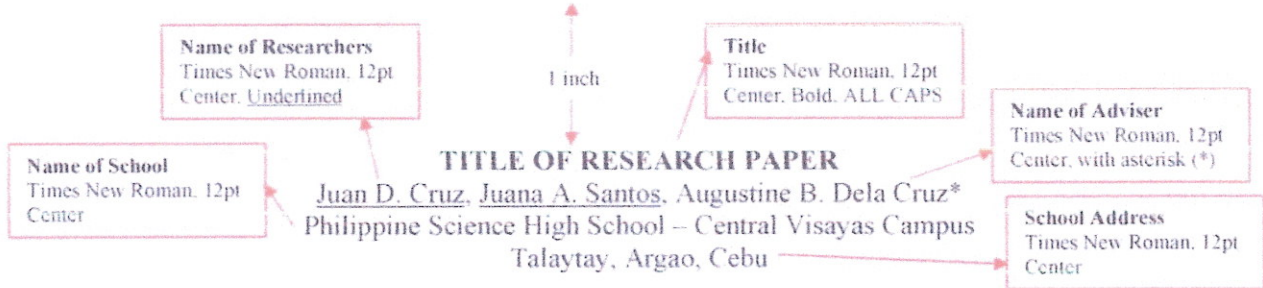
1. **Rubric:** The following rubric will be used to evaluate the submitted abstracts:
- Clarity of objectives - 25%
 - Alignment to STEM - 15%
 - Clarity and appropriateness of method - 30%
 - Results and discussion - 30%
- Grand Total - 100%**
2. **Notice of Acceptance:** After the evaluation, the research adviser or coach will be informed through email on **September 27, 2024**. Research advisers of qualified research papers will also receive the guidelines for research presenters.

3. **Dates to Remember:**

Date	Task/Milestone
September 20, 2024	End of Call for Abstracts
September 23, 2024	Start of Screening Process
September 26, 2024	End of Screening Process
September 27, 2024	Dissemination of Notice of Acceptance
	Dissemination of Guidelines for Research Presenters
October 3, 2024	Poster Presentation

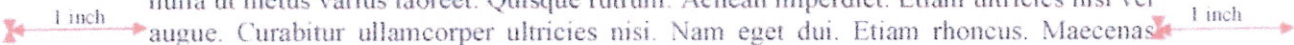
4. **Other Inquiries:** For inquiries and concerns, contact **Mr. Eleazar B. Guia**, PSHS-CVisC Research Coordinator, at ebguia@cvisc.pshs.edu.ph.

Researchers: _____
 Research Adviser: _____
 Research Adviser's Email Address: _____
 School: _____
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Endorsed by:

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 Maximum of 300 words

 Name and Signature of Research Adviser
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DEPARTMENT OF SCIENCE AND TECHNOLOGY

PHILIPPINE SCIENCE HIGH SCHOOL-CENTRAL VISAYAS CAMPUS



2024 National Science and Technology Week (NSTW)

ROBOTICS COMPETITION 2024

General Guidelines

A. Mobile Robot (Mobot) Construction

The construction of the mobot may use either a microcontroller (e.g., Arduino, Zilog, etc.) based or analog-based robot to complete the objectives of the specific category.

Line Following Objective: To complete the course in the shortest amount of time while accurately tracking the course line from start to finish.

Sumobot Objective: To push the mobot outside the arena.

B. Team Composition

- Interest participants must be bona fide **Grade 7 – Grade 10** students from Central Visayas
- A team is composed of a maximum of three members.
- The school can have a maximum of two teams.
- The team can submit two entries per event.
- Only one member of the team is allowed in the playing area.
- The team member shall submit the mobot to the committee before the start of the event.

C. Registration

Before the Event

- Participants should register on this link <https://forms.gle/tsNFYs6P4ZU57cA86> on or before **September 13, 2024, at 11:59 PM**.
- Only officially enrolled students are allowed to enter the competition.
- Participants are required to be at the venue at least one hour before the scheduled time.
- The venue will be at **Robinsons Dumaguete, Dumaguete City, Negros Oriental**.
- Only registered mobots are allowed to join the race.
- Bots are submitted to the registration area before the start of the event.

On the Event

- Participants together with their coach shall proceed to the registration area to confirm their participation.
- Mobots are lined up in the designated displayed area to avoid confusion.



D. Referee

The lined up mobots are to be released only upon the signal of the referee. After the referee's signal, the mobots are not to be touched by anyone.

- A minimum of one referee will be assigned by the Line Following /Sumobot Committee to facilitate the matches.
- At the call of a match, the competing teams or individuals are required to position their mobots at the starting point.
- Prior to that, representatives are given a heads-up of at least ten (10) seconds to prepare their mobots.
- Failure to comply with the call may result in disqualification.

E. Mobot Hardware Modifications

Only a change of batteries and necessary repairs will be allowed once the competition begins. No hardware modifications will be allowed. In case of repairs, no parts from other mobots should be used. After each run, all mobots may be placed at the displayed platform and should remain there until their next turn. Violators will immediately be disqualified from the competition.

F. Disqualification

- The entry should not be physically aided by or come in contact with the participants in any way during each run (e.g. pushing, pulling, tethers or wires to the vehicle, or electromagnetic communication). Violation of this rule will result in the forfeiture of the run.
- Damage to the track will result in forfeiture of the run. Explosives, liquids, acids, bases, flammables, live animals, projectiles, and combustible or unstable power supplies are not allowed.
- Anything that will endanger the contestants, spectators, referees, and/or committee members will not be allowed.

G. Power of the officials

The decisions of all officials regarding these rules and the conduct of the event shall be final.

H. Prizes

Certificates of Participation will be given to all the participants of the event. Medals, cash and certificates will be given to the top 3 winners.