



Republic of the Philippines  
**Department of Education**  
 REGION III  
 SCHOOLS DIVISION OFFICE OF BATAAN

**DIVISION LETTER**  
 No. 153, s. 2024

OCT 10 2024

To: Assistant Schools Division Superintendent  
 Chief Education Supervisor, CID  
 Education Program Supervisors  
 Secondary School Heads  
 All Others Concerned

This Office informs all concerned that there will be a meeting on October 11, 2024, 1:00pm at SDO-Bataan Conference Room, Kabukiran, Calaylayan, Abucay, Bataan, in preparation for the International Science Castle Asia Program 2024 to be held in Cyberjaya, Malaysia.

School	Delegates	Coach
Gov. Efren B. Pascual Sr. Orani Integrated Central School	Mariel Nicole M. De Leon	Rhenn B. Songco
	Tracy Gray G. Genavia	
Mariveles National High School - Cabcaben	Rhiyanna Jei D. Antonio	Mary Charlotte R. Bonus
	Arsen Romer P. Obdin	
	Marcus Buhawi E. Gomera	
	Althea Zyril L. Dizon	Maricar D. Peñalosa
	Ellaissa Andrea S. Ferrer	
Faine Jedidiah M. Estrella		
Orani National High School Main	Denise Alaina E. Frias	Nathanael B. Pedron
	Zena Ysabelle P. Agustin	Loreta S. Manabat
Mariveles National High School - Poblacion	Jaymee Anne L. Pascual	Mary Ann S. Aclado Delfa T. Dabu
	John Clever S. Gumayat	
	Yuki O. Sato	
	Joseph Railey D. Panganiban	
	Jaime Henrico R. Romero	
	Ryl Guiller S. Aclado	
	Jimbrey Xymon A. Bayubay	
	Renzon John T. Dampil	
	Jeuanne Carlo V. Cabiling	
	Alsheen Clyde D. Equiba	
	Aaron James D. De Vera	
	Tiffany Elaine Z. Ruiz	
Niña L. Bartolome		
Jezeus Cyrus P. Orlina		



Kabukiran, Calaylayan, Abucay 2114 Bataan  
[www.depedbataan.com](http://www.depedbataan.com) [bataan@deped.gov.ph](mailto:bataan@deped.gov.ph)  
[www.facebook.com/DepEdBataan](https://www.facebook.com/DepEdBataan)



"We Mould Heroes"



Republic of the Philippines  
**Department of Education**  
REGION III  
SCHOOLS DIVISION OFFICE OF BATAAN

Aiden Hunter E. Terrado
Naomie L. Dela Cruz
Joanne Grace R. Alonzo

Please be guided accordingly.

**CAROLINA S. VIOLETA, EdD, CESO V**  
Schools Division Superintendent

CP/Ci28  
October 8, 2024



Kabukiran, Calaylayan, Abucay 2114 Bataan  
[www.depedbataan.com](http://www.depedbataan.com) [bataan@deped.gov.ph](mailto:bataan@deped.gov.ph)  
[www.facebook.com/DepedBataan](https://www.facebook.com/DepedBataan)

*"We Mould Heroes"*



CSC PRIME-HRM BRONZE AWARD  
CSC Resolution No. 201103

PHILIPPINE QUALITY AWARD  
COMMITMENT TO  
QUALITY MANAGEMENT (LEVEL 1)  
2014

**CAROLINA S. VIOLETA, EdD, CESO V**  
 Schools Division Superintendent  
 SDO Bataan  
 Kabukiran, Calaylayan. Abucay, Bataan

**Acknowledgement of Acceptance and Invitation to Science Castle in Asia 2024**

Dear Dr. Violeta,

Greetings from Leave a Nest,

We are pleased to inform you that the **13 teams** from **Bataan, Philippines**, have been chosen to participate in this year's prestigious international conference Science Castle in Asia 2024. Below is the contest details:

**Conference Details**

Event Name : Science Caste in Asia 2024  
 Date : 18-21 October 2024  
 Venue : Tun Chancellor Hall, Multimedia University (MMU), Cyberjaya, Malaysia

We are excited to invite you to the Science Castle in Asia 2024, which will be a platform for secondary school students to showcase their innovative research projects, engage in intellectual discussions, and broaden their horizons in the field of science and technology.

During the event, you will have the opportunity to interact with fellow participants, esteemed mentors, and experts in various scientific disciplines. This unique gathering promises to be an enriching experience, fostering a spirit of curiosity, learning, and collaboration.

We are pleased to extend an invitation to the students and coaches presenting the research poster titled:

School	Research Title	Researchers/Participants
Gov. Efren B. Pascual, Sr. Orani Integrated Central School	CRAB SHELL-DLING TRAY: A SEEDLING TRAY MADE FROM POUNDED CRAB SHELLS	<ul style="list-style-type: none"> <li>• Mariel Nicole M. De Leon</li> <li>• Tracy Gray Genavia</li> </ul> COACHES: -Rhenn B. Songco -Mark Anthony Y. Santos -Nathaniel C. Sebastian
Mariveles National High School - Cabcaban	Horsetail (Equisetum arvense) as Metal Polish	<ul style="list-style-type: none"> <li>• Marcus Buhawi E. Gomera</li> <li>• Ellaissa Andrea S. Ferrer</li> <li>• Arsen Romer P. Obdin</li> <li>• Rhiyanna Jei D. Antonio</li> <li>• Althea Zyril L. Dizon</li> <li>• Faine Jedidiah M. Estrella</li> </ul> COACH: Maricar D. Peñalosa
Mariveles National High School - Poblacion	TREATMENT OF CADMIUM (Cd) AND LEAD (Pb) CONTAMINATED WATER USING ANTHOCYANIN EXTRACTS OF MALABAR SPINACH (Basella Alba) STEM CORTEX	<ul style="list-style-type: none"> <li>• RENZON JOHN DAMPIL</li> <li>• JEUANNE CARLO V. CABILING</li> <li>• RYL GUILLER S. ACLADO</li> <li>• JIMBREY BAYUBAY</li> </ul> COACHES: -Mary Ann Salazar Aclado -Delfa Tañedo Dabu

Mariveles National High School - Poblacion	Exploring the extraction of astaxanthin from crab shells for possible estrogen-boosting applications.	<ul style="list-style-type: none"> <li>Aaron James De Vera</li> <li>Alsheen Clyde Delos Reyes</li> <li>Adrielle Clarito</li> <li>Giro Guerrero</li> </ul> COACHES: -Mary Ann Salazar Aclado -Delfa Tañedo Dabu
Mariveles National High School - Poblacion	Chitosan - Based Bioplastic as a Soil Alternative Used for Romaine Lettuce Seed Germination	<ul style="list-style-type: none"> <li>JAYMEE ANNE LICUDAN PASCUAL</li> <li>JOHN CLEVER SOBREDO GUMAYAT</li> <li>YUKI OCHO SATO</li> <li>JOSEPH RAILEY PANGANIBAN, JAIME HENRICO ROY ROMERO</li> </ul> COACH: MARY ANN SALAZAR ACLADO
Mariveles National High School - Poblacion	PATAKBOT THE AGRIWORKER: An Innovative Robot for Farming Tasks	<ul style="list-style-type: none"> <li>AIDEN HUNTER TERRADO</li> <li>NIÑA LOPEZ BARTOLOME</li> <li>TIFFANY ELAINE ZAPANTA RUIZ</li> <li>JEZEUS CYRUS PALAC ORLINA, RYL GUILLER SALAZAR ACLADO</li> </ul> COACH: MARY ANN SALAZAR ACLADO
Mariveles National High School - Poblacion	Exploration and Evaluation of the Sustainable Potential of Leather Production from Corn Husk	<ul style="list-style-type: none"> <li>NAOMIE LOPEZ DELA CRUZ</li> <li>GLENN DANIEL GOLLAYAN CARAG</li> <li>JOANNE GRACE RAGANIT ALONZO</li> <li>JOLAN PATRICK TARIGA BASUEL</li> </ul> COACH: MARY ANN SALAZAR ACLADO
Morong National High School - Senior High School	Decongesting Senior High School Research Curriculum: The Mediated Research Program (MRP)	<ul style="list-style-type: none"> <li>Diarina Jane B. Carioso</li> <li>Juan Kristopier D. Angeles</li> </ul> COACH: Ronald P. Bantugan
Morong National High School - Senior High School	Lycocel: Miscanthus-Based Packaging and Tomato-Sprouting Paper	<ul style="list-style-type: none"> <li>Khrystine Cyara Labios</li> <li>Alegna Alesandra Mana</li> <li>Colline Gabrielle Margallo</li> <li>Clarissa Mae Macasero</li> </ul> COACH: Juan Kristopier D. Angeles
Morong National High School - Senior High School	AquaGlow: Evaluating Saltwater-Powered Floating Light Bulbs to Enhance Safety and Productivity in Night Fishing	<ul style="list-style-type: none"> <li>Ian Benedict Paguio</li> <li>Janelle Irish Paguio</li> <li>Ashley Nicole Esteban</li> <li>Ma. Ellchime Mariano</li> </ul> COACH: Juan Kristopier D. Angeles
Morong National High School - Senior High School	ArchiPonic System: Blade Design Modification in Archimedes Turbine to Enhance Hydroponics Nutrient Distribution	<ul style="list-style-type: none"> <li>Cheldon Jared F. Castro</li> <li>Gian Andrew C. Dioso</li> <li>Ian Philip V. Duran</li> <li>Flynn Jahnelle P. Bermejo</li> </ul> COACH: Diarina Jane B. Carioso
Morong National High School - Senior High School	EnviroSack: Harnessing Rice Straw and Recycled Paper for Sustainable and Eco friendly Bag Production	<ul style="list-style-type: none"> <li>James Zuniga</li> <li>Cenesh Jewel Perez</li> <li>Aly Pajarito</li> </ul> COACH: Juan Kristopier D. Angeles

Orani National High School - Main	HydroBot – AUTOMATED WATER FETCHER: Enhancing Access to CLEAN WATER	<ul style="list-style-type: none"> <li>• Denise Alaina Frias</li> <li>• Matthew Gloria</li> <li>• Minerva Lucero</li> <li>• Zena Ysabelle Agustin</li> </ul> COACH: Nathanael B. Pedron
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The following researches are qualified for the poster presentation. Poster Presentation participants are eligible to win awards such as "Best Poster Presentation", among others.

The poster presentation shall be judged with the following general criteria:

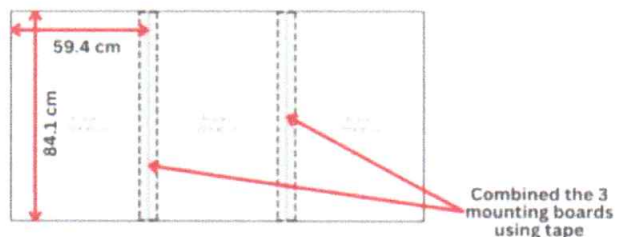
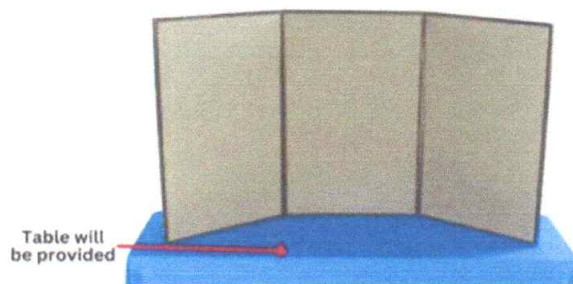
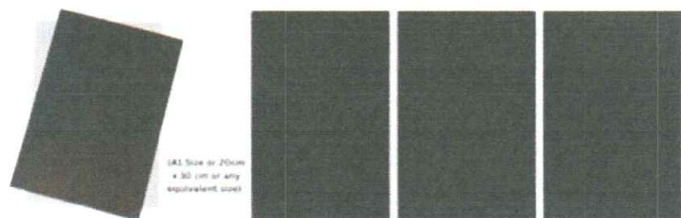
**Presentation Skills:** Involves completing the presentation within the allocated time while effectively communicating the significance of your research, newly acquired knowledge, and personal achievements. It's crucial to use visual aids, such as diagrams or flowcharts, to ensure clarity and comprehensibility, enabling a clear explanation of concepts.

**Research Competence:** Emphasizes the importance of a coherent research flow that logically progresses through the background (introduction), methodology (materials and methods), results, and discussion. The experiments conducted should be appropriate for testing the hypotheses, with sound results that clearly present data through numbers or images. Additionally, logical reasoning is vital in the discussion, where the results are interpreted in light of prior knowledge and findings from other experiments.

**Enthusiasm:** Highlights the researcher's personal investment in the questions and challenges posed by the research theme, making the research a personal endeavor. The presenter should also show a keen interest in contemplating the next steps of the research. Originality is valued, with the research and its perspective reflecting the presenter's unique viewpoint.

The poster of the teams shall be in this format:

**How to create your Tabletop Poster Display**



**Template for Poster Presentation**



Please include this information



**Note:** If teams are unable to bring their own mounting boards due to logistical constraints, please inform us. We can assist in sourcing mounting boards in Malaysia, which will be at the expense of the requesting participant.



We are also pleased to inform you that Science Castle in Asia 2024 includes a dedicated event for teachers, called the **Great Teachers Summit** with the theme, **Fostering a Culture of Innovation and Creativity in STEM Education**. This summit offers a unique opportunity for educators to connect, share best practices, and gain valuable insights from renowned experts in the field of education. We encourage your school's teachers to participate in this enriching event and expand their professional network, especially the coaches and advisers.

In addition we would also be having the **Aspiring Educators Symposium: Shaping the Future of Teaching**. An inspiring two-day event designed to educate and empower the next generation of teachers. This symposium offers:

- **Poster Presentations:** Showcase your research to global participants, including educators and industrial partners.
- **Publication Opportunities:** All abstracts will be included in proceedings, and selected papers can be published in the ISJ-International STEM Journal.
- **Keynote Addresses:** Insights from renowned education experts.
- **Interactive Workshops:** Hands-on sessions covering innovative teaching strategies, classroom management, and technology integration.
- **Networking Opportunities:** Connect with fellow educators, administrators, and policymakers.
- **Panel Discussions:** Engage with experienced educators on current challenges and opportunities in education.
- **Exhibitions:** Explore the latest educational tools and technologies.

Teachers may register their abstracts here to be part of the poster presentation. Submitted abstracts will undergo peer review for potential publication in the conference proceedings (ISBN). Selected abstracts (peer reviewed) will be invited for publication in the **International STEM Journal** (E-ISSN 2785-857x)

For the fee structure in applying:

- Individual Registration: MYR 120 (Local) | 50 USD (International)
- Group of Three (3): MYR 330 (Local) | 120 USD (International)
- Group of Five (5): MYR 500 (Local) | 200 USD (International)

**Registration link:** [https://global.ine.st/AESPoster\\_Registration](https://global.ine.st/AESPoster_Registration)

With this, we would like to invite the following as well to be part of the attending delegation:

- **CAROLINA S. VIOLETA, EdD, CESO V**  
Schools Division Superintendent  
SDO Bataan
- **ARMANDO C. CAPILI, EdD**  
Assistant Schools Division Superintendent  
SDO Bataan
- **MILAGROS M. PENAFLO, PhD**  
Chief ES, CID  
SDO Bataan
- **RAMON C. PEREZ**  
Chief ES, SGOD  
SDO Bataan
- **EDWIN RIEL BERMILLO, EdD**  
Education Program Supervisor - Science  
School Division Office - Bataan
- **JETHRO M. NOCOM**  
Senior Education Program Specialist  
SGOD-Planning and Research
- **RAYMOND JOSEPH V. MENDOZA**  
Senior Education Program Specialist  
SGOD-HRD  
SDO Bataan
- **MISTY B. DELA CRUZ**  
Education Program Specialist II  
SGOD-HRD  
SDO Bataan
- **CESAR L. VALENZUELA, EdD**  
School Principal IV  
Mariveles National High School - Poblacion
- **Ludivina S. Omania, EdD**  
School Principal III  
Mariveles National High School - Cabcaban
- **Ronald P. Bantugan, EdD**  
School Principal II  
Morong National High School
- **Arsenio N. Ongoco Jr.**  
OIC- School Principal  
Gov. Efren B. Pascual Sr. Orani Integrated Central  
School
- **Arlene M. Matilde**  
School Principal II  
Orani National High School-Main
- **Loreta S. Manabat**  
Head Teacher III  
Orani National High School Main
- **Salvacion F. Dagdag**  
Head Teacher III  
Mariveles National High School - Cabcaban
- **Deo Derro L. Ducot, EdD**  
Head Teacher III  
Mariveles National High School - Poblacion
- **Mary Charlotte R. Bonus**  
Master Teacher II  
Mariveles National High School - Cabcaban

Links to take note about GTS:

**Website:** <https://global.ine.st/gts2024/>

**Registration link:** [https://global.ine.st/GTS2024\\_Registration](https://global.ine.st/GTS2024_Registration)

Once again, we express our gratitude for your involvement and active support in Science Castle in Asia 2024. We eagerly anticipate your presence and meaningful contributions. If you have any inquiries or require assistance, please do not hesitate to contact Mr. Bill Mercado ([bill\\_m@ine.st](mailto:bill_m@ine.st)).

We are excited to see you at Science Castle in Asia 2024 and look forward to sharing an inspiring and insightful journey together.

"Advancing Science and Technology for Global Happiness"



**Abdul Hakim Sahidi**

Managing Director,

Leave a Nest Malaysia Sdn. Bhd.





**Leave a Nest Malaysia Sdn. Bhd.**  
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 Persiaran Apec, Cyber 8,  
 63000 Cyberjaya,  
 Selangor Darul Ehsan.  
 Ref: SCA2023.21082023.1

Science Castle Asia Program 2024

	OCTOBER 19, 2024 (DAY 1)			OCTOBER 20, 2024 (DAY 2)		
Time	Saturday		Time	Sunday		
8:30-9:00	Registration (Foyer, DTC) Breakfast (Foyer, DTC) Poster Setup (Poster Area, DTC)		8:00-9:00	1. Registration (Foyer, DTC) 2. Breakfast (Foyer, DTC) (TBC)		
9:00-9:30			9:00-9:30			
9:30-10:00	Opening Ceremony		9:30-10:00	Booth Exhibition (Foyer, DTC)  Poster Exhibition (Poster Area, DTC)		
10:00-10:45			10:00-10:30			Oral Presentation Session
10:45-11:00	Break / Teachers movement to GTS	10:30-11:00	1. SCA Finalists (13)			
11:00-11:30	Student Networking Session (Poster Area, DTC)	Great Teachers Summit (Fac. of Management)	11:00-11:30			2. SC Grant Ajinomoto Awardees (5)
11:30-12:00			11:30-12:00			
12:00-12:45	Students Summit (DTC)		12:00-12:45			
12:45-13:00	Lunch (Foyer, DTC)		12:45-13:00			
13:00-13:30			13:00-13:30			1. Lunch (foyer dtc)
13:30-14:00			13:30-14:00			
14:00-14:30	Concurrent Workshops		14:00-14:30			Poster Session (Poster Area)
14:30-15:00			Great Teachers Summit (Fac. of Management)	14:30-15:00		
15:00-15:30				15:00-15:30		
15:30-16:00				15:30-16:00		
16:00-16:30				16:00-16:30		
16:30-17:00				16:30-17:00		
17:00-17:30				Wrap up & Brief for 2nd Day	17:00-17:30	
17:30-18:00	Buffer Time	17:30-18:00				
	Adjourn			Adjourn		

