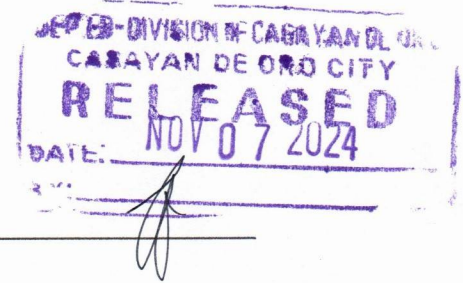


Republic of the Philippines
Department of Education
REGION X
DIVISION OF CAGAYAN DE ORO CITY

Office of the Schools Division Superintendent



04 November 2024

DIVISION MEMORANDUM
No. 875, s. 2024

SEMINAR WORKSHOP ON RESEARCH ADVISING AND INNOVATION PROJECT
IN THE MATATAG CURRICULUM cum 2024 DIVISION SCIENCE
AND TECHNOLOGY FAIR

TO: Assistant Schools Division Superintendent
Chief Curriculum and Instruction Division
Concerned Public Schools District Supervisors
Concerned Education Program Supervisors
Concerned Public Elementary and Secondary School Heads
Concerned Public Elementary and Secondary Teachers
This Division

1. In consonance with our continuous effort to give support for the teachers to teach better, the Division of Cagayan de Oro City through the Curriculum Implementation Division will conduct a Seminar Workshop on Research Advising and Innovation Projects in the Matatag Curriculum on November 15, 2024 at Cagayan de Oro National High-Junior High Campus. Along with this activity is the 2024 Division Science and Technology Fair.
2. Participants to this One-day Seminar Workshop are expected to;
 - a. apply effective strategies for mentoring students in the research process,
 - b. demonstrate proficiency in providing constructive feedback on research proposals and
 - c. develop a feasible innovation project to address a specific challenge in the classroom.
3. The distribution of the participants for the workshop is indicated in Enclosure 1 and qualifiers for DSTF in Enclosure 2.
4. The division qualifiers for DSTF shall bring their physical project board that may not exceed 2.5m high and 1m wide (refer to the NSTF guidebook).
5. Grade 7 learners from Carmen Science High School and Grade 6 learners from City Central School (SSES) are invited to join the said activity.



Address: Fr. William F. Masterson Ave., Upper Balulang, Cagayan de Oro City
Mobile No: +63 975 6403 226 (Globe) | +63 951 1710 902 (Smart)
Email Address: cagayandeoro.city@deped.gov.ph

6. In adherence to Equal Opportunity Principle (EOP), inclusive and fair treatment is accorded to all personnel regardless of age, gender and sexual orientation, disability, religion, and ethnicity.

7. Immediate compliance with this Memorandum is desired.

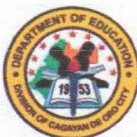
ROY ANGELO E. GAZO
Schools Division Superintendent

Encl.: as stated

To be indicated in the Perpetual Index
under the following subjects:

CURRICULUM RESEARCH WORKSHOP

EQS/ DM- division science and technology fair
seminar workshop on research advising



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Enclosure 1.

Distribution of Participants for the Seminar Workshop

	Grade 4	Grade 6	Grade 7	Grade 8
Name of District & School	Elementary		Secondary	
Central District (6)	2	2		
City Central School (SSES)				
Corrales ES	1	1		
East II (6)				
Puerto ES	1	1		
Tablon NHS			1	1
Agusan NHS			1	1
East I (6)				
1.East CCS	1	1		
2.Gusa RSHS			1	1
East Gusa NHS			1	1
South (6)				
South CS	1	1		
Camaman-an NHS			1	1
Indahag NHS			1	1
North 1 (6)				
Consolacion ES	1	1		
Macabalan ES	1	1		
Puntod NHS			1	1
			1	1
North 2 (6)				
Bonbon ES	1	1		
Bonbon NHS			1	1
Bayabas NHS			1	1
West 1 (6)				
Fr. William Masterson ES	1	1		
Balulang ES	1	1		
Carmen Science High School			1	
Balulang NHS				1
West 2 (6)				
Iponan ES	1	1		
Iponan NHS			1	1
PN Roa SHS			1	1
Southwest 1 (6)				
Tagpangi ES	1	1		

Pagalungan NHS			1	1
Tuburan NHS			1	1
Southwest II (6)				
Bayanga ES	1	1		
Bayanga NHS			1	1
Tignapoloan NHS			1	1
Total - 62	14	14	17	17
Additional Participants for the workshop as iSTAR recipients				
1. Diacoma, Bellesa P	Balulang National High School			
2.ARTADI, EARL MAE D.	Cagayan de Oro City National High School-SHS			
3. Marcaida, Judith	Gusa RSHS -X			
4.Franco, Shenn Mae B.	Macabalan National High School			
5. Daing, Maria Myra C.	Bulua National High School			
6 Payapaya, Rea Jane M.	Puntod National High School			
7. MELICOR, FRENCCESS MAGGIE J.	Macasandig National High School			
8. Tura, Amie Rose R	East City Central School/ ALS			
9.Narvasa, Jennifer Rallos	East Gusa NHS			
10.Valmoria, Marjorie C.	Lapasan National High School			

Enclosure 2

QUALIFIED ENTRIES FOR THE 2024 SCIENCE AND TECHNOLOGY FAIR

Category	Title	Proponent/s	Coach	School
Life Science - Individual	1.Chitin and chitosan from <i>chanos chanos</i> fish scales as a purification agent for wastewater treatment	Yogita Dhadwal	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
Life Science-Team	1.“Smart Monitoring of Rambo Radish Microgreens Using IoT-Enabled Climate Chambers”	Dhinz Ceana Mae E. Ramiro Uzziah Reuel John P. Maagad Jomanah C. Jumo	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	2.“Real-Time Monitoring and Control of Plant Growth Environments using an IoT-Based Climate Chamber”	Rhael Emmanuel Y. Dado Kayne Jose B. Sidlao Marielle T. Paguia	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	3.Observing the Effects of Green Mussel Shells, Egg Shells, and Commercial Shells to the Growth of Pechay	Sunnaya Abdula, Jenelou Mahinay, Ronilyn Olaivar, Karen Cabusog	Cheryl Cabiara	CDONHS-SHS
Physical Science-Individual	1.Integration of Thermoset Plastic Waste into Concrete for High-Temperature Resistance and Thermal Insulation	Rielle Sarah Sofia P. Acoymo	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	Solar-Powered Cell Phone 2.Charging Stations	Ashley Abegail B. Montoya	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
Physical Science Team	1.“Utilizing Human-Powered Water Pumps to Generate Electricity in Rural Areas”	Roslainie R. Cayongcat Cris Danielle Vianne A. Bagares Mohammad Rehan H. Datumulok	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	2.Banana peel and Pseudostem as Charcoal substitute	Trizia Joelin Rose G. Abadies Ryza Mae B. Gallego Haagen Paige O. Ramos Jhanarylle O. Soler	Ira Quitat	CDONHS-SHS
	3.Basella Alba Extract: Alternative for Erasable Marker Ink	Group 2 Jhoseth Anne Cartin Junielyn Valmorida Chryzyl Jeanne Monarca Richmel Lingcayao	Cheryl Cabiara	CDONHS-SHS
Robotics-Individual	1.Integrating Robotic Hand Systems with Glove-Based Sign Language Interpreters for Effective Communication Across Hearing Barriers	Godped Raic D. Galleto	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH

Robotics-Team	1. "Automated Insecticide and Water Spraying Robot for Efficient Lettuce Farming in Greenhouse"	Joash Hugh T. Lumasag Donald Christopher S. Azucenas John Paul P. Mingo	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	2. "Integrating Visual and Audio Alerting System In Early Landslide Detection"	Josephine Marie D. Silma Zeth Kevin Abella Janelle B. De Los Reyes Aries Lloyd G. Gascon	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	3. EcoStream Aquabot for Cleaning Solid Waste and Oil from Small Bodies of Water	Nathaniel B. Lofranco Maria Rhoanna Oropesa Rychee Uziel Pahapay	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	4. Developing a Comprehensive Crop Monitoring Robot using Thermal Imaging	Tresha Mae P. Esparcia Shaira Blaise Marrienne B. Franco Samantha Chloe B. Villanueva	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
Innovation (Team)	1. Smart Aquaponics Sytem: Integrating IoT Based Real-Time Plant and Fish Monitoring for Sustainable Cultivation of Lettuce and Catfish	Perland Pellerin Jester Jr. Dellosa Athena Indino Canaan Buenavista	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
	2. A study of the efficiency of SPHERE Enrollment System	Adelbert C. Melicor Sofia Angela P. Hampac Christian S. Melanio Alexa F. Badar	Vanessa Cabsag	CDONHS-SHS
Innovation (Individual)	ESP32 Controlled Automated Plant Growth Chamber Utilizing Plant Perception of Different Music Genres.	Ruth Joan A. Galamiton	Jeffry Q. Abella Leah Lyn A. Lingatong	CDONHS-JH
Mathematical Computation	Feasibility Study on Starch-based Bioplastic Cup	Amroding P. Binasing Elizabeth Jill Subial Sharmaine Gefioso Aelwen John Yestin Go	Ira Quitat	CDONHS-SHS
	-Utilizing Pineapple peels, leaves and Mango seeds as Biopolymers in producing biodegradable plant pot	Group 2 Jandayan, Princess Ashly G. Jumawan Jr., Ernesto S. Anowar, Sittie Monera S. Fernandez, Miguel Antonio V	Ira Quitat	CDONHS-SHS

Note: The verdict of the panelists is final and irrevocable. 1st Place (Best Paper only per category) shall represent the division in the 2024 Regional Science and Technology Fair

Overall Chairman :	Roy Angelo E. Gazo Audie S. Borres Jean S. Macasero
Planning Committee:	Evelyn Q. Sumanda Ray O. Maghuyop
Program/ Invitation/ Tarp/Registration	Nina Marie Estillore Marvin Anthony Ramos
Documentation/Narrative Report/Forms	Marilou Lora Allan Guibone
Decoration and Physical Arrangement	Maribeth T. Auman Jocelyn Palabon
Accommodation/Usher	Manuel Lincaro Christopher Andrew Alda
Lei/Awards/ Certificates, Medals	Hasima N. Salic Sheryll Dura Jackelyn Gazatan
Display Poster Presentation	Ronaldo Auman Manuel Lincaro
In-Charge of Different Contest Category	
Life Science	Ronaldo Auman
Physical Science	Vanessa Mae Martinez
Robotics	Christian Gem Pimentel
Science Innovations Expo	Karl Anthony Salise
Mathematics Computation	Emily Tabamo

PANELISTS

1. Life Science	1. Dr. Joel D. Potane City VCollege 2. Mr. Mark John T. Gabule 3. Dr. January Gay Valenzona
2. Physical Science	1. Dr. Angelo Mark Walag, USTP 2. Annie Rhiz D. Suyo, RCh, MSc 3. Albin Jay Tabamo XU .
3. Robotics and Intelligent Machines	1. Jerrie B. Halibas- USTP 2. Engr. Helen Grace Gonzales, USTP 3. Dr. Kathleen E. Padrigalan, USTP
4. Science Innovation Expo	1. Dr. Nick C. Panares, EPS Science, RX 10 2. Kimnard Joseph M. Duat DOST 3. Marjun Seguera- USTP
5. Mathematical Computation	1. Ray Maghuyop 2. Lordson Siano 3. Emily Tabamo