2510-2202

Republic of the Philippines
Department of Education
REGION X – NORTHERN MINDANAO
SCHOOLS DIVISION OF OZAMIZ CITY

October 30, 2025

DIVISION MEMORANDUM
No. 398, s. 2025

ANNOUNCEMENT OF THE OFFICIAL RESULTS OF THE 2025 DIVISION SCIENCE AND TECHNOLOGY FAIR

To: Assistant Schools Division Superintendent
Chief Education Supervisors (CID and SGOD)
Public Schools District Supervisors
Public and Private Secondary School Heads
All Others Concerned
This Division

1. The Division of Ozamiz City, through the Curriculum Implementation Division (CID), congratulates all the participants and winners of the 2025 Division Science and Technology Fair (DSTF) held at Ozamiz City School of Arts and Trades, Maningcol, Ozamiz City, on October 20, 2025 (see attached enclosure 1).

2. This Office also extends its commendation to the School Heads of Ozamiz City National High School and Ozamiz City School of Arts and Trades, Division Science Review Committee (DSRC), Board of Judges and Technical Working Group (TWG) for the invaluable support which became instrumental in the successful conduct of the 2025 DSTF.

3. The first-place winners of the five categories shall represent the Division in the Regional Science, Technology and Mathematics Fair (RSTMF) on November 21-23, 2025 in Malaybalay City, Bukidnon subject to the approval of the Regional Scientific Review Committee (RSRC).

4. A two-day enhancement training on scientific research will be conducted at the Division Training Hall on November 3, 2025 at 10:00 A.M. and at Ozamiz City School of Arts and Trades on November 5, 2025. Participants in this activity are the first-place winners of the five categories, individual and team, with two coaches for each category. Meals and other incidental expenses will be charged to the Program Support Funds from the Department of Health subject to auditing rules and regulations.

5. For queries, contact EPS Jed Mae F. Coronel at 09297689840.

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Telephone No: (088) 545-0988
Email: ozamiz.city@deped.gov.ph
Website: ozamiz.deped.gov.ph

5. Immediate and widest dissemination of this Memorandum is enjoined.

LORENA P. SERRANO, CESO VI
Assistant Schools Division Superintendent
OIC, Office of the Schools Division Superintendent

Pp: **MAY P. EDULLANTES**
CID, Chief Education Supervisor

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

CELEBRATIONS AND FESTIVALS CURRICULUM CONTESTS LEARNING AREA
SCIENCE RESULTS STUDENTS

JMFC/DM-Division Science and Technology Fair 2025-2026
___/October 30, 2025

Republic of the Philippines
Department of Education
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SCHOOLS DIVISION OF OZAMIZ CITY

Enclosure 1

2025 DIVISION SCIENCE AND TECHNOLOGY FAIR
OZAMIZ CITY SCHOOL OF ARTS AND TRADES
Maningcol, Ozamiz City
October 20, 2025

FINAL and OFFICIAL RESULTS

LIFE SCIENCE				
INDIVIDUAL CATEGORY	**RESEARCH PROJECT TITLE**	**STUDENT RESEARCHERS**	**COACH**	**SCHOOL**
1ST PLACE	Project HydroGrow: An Automated pH and Water Refill Monitoring System	FROE ASEUAM CUAJOTOR	FREDDIE O. SAQUIN JR. CATHERINE J. FUENTES LEONIE GUALBERTA L. BERNIDO	OCSAT
2ND PLACE	In Vitro and In Vivo Analysis of the Anthelmintic Activity Existing from the Extract of Ipil-Ipil Leaves *(Leucaena leucocephala)* against *Ascaridia galli* present in Native Chickens	RYKA ALTHEA A. RECLA	ELONA JANE R. BUSCAGAN	OCNHS
LIFE SCIENCE				
TEAM CATEGORY	**RESEARCH PROJECT TITLE**	**STUDENT RESEARCHERS**	**COACH/ES**	**SCHOOL**
1ST PLACE	Comparative Phytoremediation Efficacy of Viteveria Zizanioides and Cymbopogon Citratus in the Bioremediation of Lead (Pb): An Environmental Analysis	MIONE PHILLINE D. AVILA CARYLL A. CARUANA APPLE KATE B. TURNO	FLOR T. CAPUNO	OCNHS

2ND PLACE	Analyzing Kangkong Potential in Water Bioremediation via Rhizosphere-Supported Biodegradation with Arduino-Assisted Temperature Sensor	EDMARIE HERNANDO BABY EDJEAN Y. LIWANAG SCOTT C. ROSALEJOS	FREDDIE O. SAQUIN JR. CHONA D. FRANCISCO NAYRIZ N. VILLATO	OCSAT

PHYSICAL SCIENCE				
INDIVIDUAL CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	Burn Bright, Breathe Easy: EcoHero Waste-to-Energy with Air Filtration Innovation	KRISHA LAWRECE J. CAMIGUING	FREDDIE O. SAQUIN JR. REYMART A. BUREROS TWINCKEL MAE R. BIENES	OCSAT
2ND PLACE	Enhancing Diesel Fuel Sustainability: A Comprehensive Study on Biodiesel Production Utilizing Coconut Oil	ZAM B. CARREON	JHIMSON A. MONREAL	OCNHS

PHYSICAL SCIENCE				
TEAM CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	A Feasibility Study on Biofuel Production from the Marine Macroalgae *Eucheuma cottonii* (Guso) as a Renewable and Sustainable Energy Source	SWEETELLE ALLIANNAH L. MANSING PRINCESS SHENELLE B. YURONG JUSTIN JHON G. ROA	ALLE MEDIHA C. CANONIO	OCNHS
2ND PLACE	SYNC: Sustainable Yield for Networked Connectivity through an ESP8266-Sinric Pro Prototype for Digital Household Integration	JAVEN A. LOMOLOY MARTINA MIEL P. MARCO DIVIJEAN M. FERNANDEZ	FREDDIE O. SAQUIN JR. LOLEFIE C. GERVACIO KAREN ANN B. MIRA	OCSAT

ROBOTICS AND INTELLIGENT MACHINES				
INDIVIDUAL CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	UVscent: A Smart UV Disinfection and Air Freshening System for a Hygienic Bathroom Environment	GIAN CARLO S. MACASANDAG	FREDDIE O. SAQUIN JR. HAIDEE P. DOLOJOL FLORDELIS M. BORNALES	OCSAT
2ND PLACE	SAFER (Safety Alternative for Flood Emergency Response): Elucidating the Accessible Capabilities of Coconut Husk and Bamboo with Integrated Sensor as Anti-Flood Residential Protective Barrier	REX SPENCER S. EGBUS	JANE C. MANILI	OCNHS

ROBOTICS AND INTELLIGENT MACHINES				
TEAM CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	CareClock: Arduino-based Medicine Reminder, Carrier, and Dispenser	RODEN G. TAGAMA CHADY S. SUMALPONG JEAN JACOB L. DINGCONG	FREDDIE O. SAQUIN JR. KRIS ROVENSON S. ARANCES ANALOU J. MALINIS	OCSAT
2ND PLACE	INTELLIO: Neuroadaptive Chatbot for Scholarly Advancement	EMPRESS KAREN S. APAO JOY MARIE P. CABARSE FEONA RAINELLE M. RIGODON	MAE LADY ROSE C. CALINGA	OCNHS

MATHEMATICS AND COMPUTATIONAL SCIENCE				
INDIVIDUAL CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	Optimizing Planting Efficiency Using Vigna radiata (Mung Bean) and Cucurbita (Squash) using Fibonacci Sequence-based Spatial Arrangements	GEM THEODORE B. CATANE	LAWRENCE ESPADERO PANUNCILLON-APAT	OCNHS

2ND PLACE	Rainfall Threshold Analysis for Predicting Flood Occurrence in Barangay Maningcol, Ozamiz City Using Open Data	QUENIE LYKA R. SACAY	FREDDIE O. SAQUIN JR. DOONE HEART S. CABUGUAS AMY Y. REYES	OCSAT

MATHEMATICS AND COMPUTATIONAL SCIENCE

TEAM CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	Fractal Analysis of Leaf Patterns to Predict Air Pollution Absorption Capacity Across Urban Tress	BLESS JEANNE L. MAQUILING FERLIN GAYLE G. OUANO JOMAIMAH ZIONDYLLE Q. JONE	MIGUELA L. SY	OCNHS
2ND PLACE	Every Watt Counts: Analyzing Household Appliance Impact on Electricity Consumption in Barangay Dona Consuelo Using Linear Regression	MARY KRISTEL NOTA ASHLEY NICOLE MANAGING MARY LEIGH NIÑA ARROYO	FREDDIE O. SAQUIN JR. DOONE HEART S. CABUGUAS	OCSAT

NATIONAL SCIENCE INNOVATION EXPO

INDIVIDUAL CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL
1ST PLACE	Project PASS: Parking Autonomous Smart System	CHRISHIEL M. LAPIZ	FREDDIE O. SAQUIN JR. KRIS ROVENSON S. ARANCES REINA MAE Q. APAT	OCSAT
2ND PLACE	Cocopack: Coconut Husk (*Cocos nucifera)* Based Packaging as a Sustainable Alternative to Styrofoam	DHANESSA KHATE G. GALLARDO	JOCELLE MAY V. DINULOS	OCNHS

NATIONAL SCIENCE INNOVATION EXPO

TEAM CATEGORY	RESEARCH PROJECT TITLE	STUDENT RESEARCHERS	COACH/ES	SCHOOL

1ST PLACE	Speak to Unlock: Development of an Arduino-powered Voice Activated Door Lock	SESYLU ROSE A. SUAN ROED NOAH P. ANDALES AERRAN ZHAM V. DAGAAS	FREDDIE O. SAQUIN JR. KRIS ROVENSON S. ARANCES	OCSAT
2ND PLACE	AGRIBOX: A Solar-powered Smart Storage Crate for Fruits and Vegetables	DARYLLE KARLA O. AOANAN JHAYVER C. CARPENTERO EUNICE GABRIELLE BARETA	ARLYN U. GRANADA	OCNHS