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|  | Republic of the Philippines Department of Education Cordillera Administrative Region SCHOOLS DIVISION OF ABRA Bangued, Abra |  | Document Code: SDOABRA-QF-SGOD-HRD-001 Revision: 00 Effectivity date: 01-14-2019 |
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DIVISION MEMORANDUM

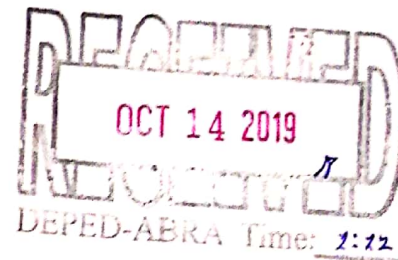
No. 349, s. 2019

To : **Science and Mathematics District Coordinators**
Elementary School Heads
Secondary School Heads
Integrated School SHs

From : **GLORIA B. BUYA-AO**
 Schools Division Superintendent

Subject : **RESULT OF THE 2019 DIVISION SCIENCE & MATH FESTIVAL**

Date : **October 14, 2019**



Below is the list of winners in the different contested events of the **2019 Science and Mathematics Festival** held at Marc Ysrael B. Bernos Memorial National High School, Mudeng, Lapaz, Abra on October 9, 2019.

| SCIENCE QUIZ | | COACH/ES |
|------------------|--|---|
| Grade 3 | 1. LYRA ANIKA E. ANGDISEN, Bucay District 2. LORIANNE JAYNE G. BERSAMIRA, Lagayan District 3. FRANCES AYOMI F. VELASCO, Lapaz District | |
| Grade 4 | 1. ARRIANE JANINE A. BONETE, Bangued West District 2. KERSHA CASSANDRA C. LUBEN, Boliney District 3. ANNIKAH PEARL A. GUANGA, Lapaz District | |
| Grade 5 | 1. SANTINO JAY BOLANOS, Lagangilang District 2. GRAZIELLA DEANNE CABRERA, Lapaz District 3. AKYRRA MARIE QUIDANGEN, Luba District | |
| Grade 6 | 1. SHAYNE B. BALLACILL, Lagangilang District 2. JIAN DALE B. IGNACIO, Bangued West District 3. JHANE RHUVIE T. RAMOS, Tayum District | |
| Grade 7 | 1. JANELLE RIANNE E. BUENAFE, Abra HS 2. NINA CESARINE J. ALCASABAS, Gaddani NHS 3. CLARIZA MAE P. SIDDAYAO, Cayapa NHS | MA. AGNES BRINGAS GILIAN ESTRADA PHILIP BARCENA |
| Grade 8 | 1. JOZA LEIGH A. DE GUZMAN, Manabo NHS 2. FUNNA MAE ANGEL DELOS REYES, Abra HS 3. ROLDAN KOOI E, TAGURA, An ana-ao IS | CRISTA B. VIADO MARIBEL TENEZA |
| Grade 9 | 1. CHERISS YOHANIE A. LINGAYO, Cayapa NHS 2. SALLY JOY D. BAYUDANG, Luzong NHS 3. MARIXEL EVEB. COSME, Dilong NHS | CATALINA AYUNON LESTER G. VEIRNES DIDITH W. DEL PINTOR |
| Grade 10 | 1. KARELLE JOY RAMOS, Abra High School 2. TROY JOSEPH T. ESPINOLA, Gaddani NHS 3. RAYMON N. BLANZA, Northern Abra NHS | CRISTINA BERSAMINA MARICAR VERGARA LAILANIE B. JACQUIAS |
| MATHEMATICS QUIZ | | |
| Grade 3 | 1. JAMER LEIGH ANNE J. OLA, Malabaga ES, Lapaz Dist 2. ZARAH TRIXIE T. ELALE, Tayum CS, Tayum District 3. GIAN HARVEY B. BATONDO, Pidigan CS, Pidigan District | |
| Grade 4 | 1. RHIAN LYNSES BLAZA, Lagayan CS, Lagayan District 2. JOSH LIAN B. CRUZ, Luba CS, Luba District 3. LENA STEFFANIE A. PADUA, An-anao IS | |
| Grade 5 | 1. DARLENE KAY A. SALINGBAY, Pulot ES, Lagayan Dist 2. DENCEL ALEXANDRIA C. BAGANI, Manabo CS, Manabo Dist | |

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| | 3. DOWI GWYNE A. CASIDON, Dilong ES, Tubo District | |
| Grade 6 | 1. ZANDREI RYLLE B. REBAULA, Bangued West CS 2. ANGEL P. VERZOLA, Presentar ES, Lagangilang District 3. LESLY ANN A. GAMIT, Luba CS, Luba District | |
| Grade 7 | 1. HANS MEYER O. REYES, Lapaz IS 2. JERAMIE S. CRISOLO, Cayapa NHS 3. ERON SAUL B. LANAS, Baay NHS | ALDA ANQUILLANO |
| Grade 8 | 1. MARC ANGEL B. VALERA, Abra HS 2. WHAYNE LAUDENIO, San Isidro NHS 3. JUSTINE M. MOSUELO, Pulot NHS | |
| Grade 9 | 1. DEXTER I. BERSAMINA, Pulot NHS 2. KENDRICK ANGEL TEJERO, Gaddani NHS 3. SHALLYMAR BATAY-AN, Supo NHS | |
| Grade 10 | 1. ANGEL B. TUZON, Tineg NHS 2. MC LEWIS B. CARIAGA, Northern Abra NHS 3. ALEX P. JAVIER, Luzong NHS | |
| Senior HS | 1. JOEY VELASCO, Supo NHS 2. RHYNDRIX LEIGH CALAYEG, Gaddani NHS 3. TEDDY GIO MILLARE, Abra HS | |
| DAMATH | | |
| Whole Number (G3/G4) | 1. KATE MARIE C. DAYAG, Likowan PS 2. RENALD CARBONEL, Tuquib IS, Pilar District 3. XANDER B. LANZA, Abas ES, Sallapadan District | LENIN L. LAWACAN SINAMAR TAMO SHIRLY T. ADRES |
| Positive Fraction (G5/G6) | 1. JOBAR ANDREI, Tubo District 2. ALEXIS NERI, Tayum District 3. JIMWELLE BRYAN P. TADEO, BUcay District | |
| Integer (G7) | 1. ARON VERGEL BRUB, Abra HS 2. YASMINE DIZON, Luluno NHS 3. LAURENCE CESAR GALCON, Langiden NHS | LOLINIA ABEN VANESA AGPAD RACHELLE |
| Signed Fraction (G8) | 1. XYRILLE KATE TADEO, Gaddani NHS 2. NICOLE SOLIMEN, Pangtod NHS 3. ARVEE HAZEL AYAO, Quidaoen NHS | CARLOS M. MANUEL Jr. FREZA POBLETE MA ELENA BOSAS |
| Radical (G9) | 1. DEWN B. CASTILLO Jr., Abra HS 2. JIAVIN REINER B. CALIFLORES, Lapaz IS 3. DANE MAE POBLITE, Dilong NHS | |
| Polynomial (G10) | 1. KARYL JEN DESIREE G. DAIT, Dalit NHS 2. DAN LORD A. BAUTISTA, Rosalio Eduarte NHS 3. JOPHET BALDEMOR, Northern Abra NHS | GLENDA D. CIERVO ROSEMARIE B. BORGONIA LORENA TADEO |
| MATHEMATICS INVESTIGATION (MI) | | |
| Research Based (Individual) | 1. Aestheticus Aequalateralis Triangulum JANYN MAICA MARIANO, Abra HS | |
| Research Based (Team) | 1. Lucky Clover Deluxe KRISHA BRUB FRANCIS TIFFANY PANELO KAYLA BARBERO, Abra HS 2. Glitters Superball JULIAN JAMES DAQUEL GIAN REGNALD DAR JOHA LESTER MARTINEZ, Manabo NHS | MARIA THERESA BALIDO ROGELIO MANGALIMAN |
| Problem Based (Individual) | 1. Telescopic View at the base of a Shanghai EDZAE PAGUIO 2. Square Inscribe in a Square JODEL GARCIA 3. Folding Plane Figure Origami JULIAN JAME DACQUEL | CHARLONE BLAQUERA CHARLONE BLAQUERA ROGELIO MANGALIMAN |
| Problem Based (Team) | 1. Prini Cha's Tripolygon Figure CHARLON GARCIA NILO BERT BANGANAN PRINCESS BORJA 2. Alchatal Square ALTHEA JOY ALAFRIZ CRYSTAL KAYE PALANGDAO CHARMENE CAGOD | MARIA THERESA BALIDO ROGELIO MANGALIMAN |
| SCIENCE INVESTIGATORY PROJECT (SIP) | | |
| Elementary Individual Category | 1. Citrus Maxima Peel and Leaves as Alternative Ingredients in Making Dishwashing Liquid ARIANE P. BOLANTE | CATHERINE M. SALAS |

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| | <ol style="list-style-type: none"> Potential of Corn Coffee Seeds as an Alternative to Real Coffee Beans APRIL DYNELLE MARIE V. CALIBOSO Homemade, Semi-turbo, Rice husk Stone EDSAM ANDREI E. NOLORO | <p>MARIBETH M. TUAZON</p> <p>RONILO N. TAGURA</p> |
| Elementary Team Category | <ol style="list-style-type: none"> Anti-Diabetic Activity... PRINCESS ROSH T. BAGUI CRYRISE KAYE B. GUINABAN NOVELYN P. BINAN, Bulbulala ES, Lapaz District Potential Use of Tayum Tayum Plant Extracts as an Alternative Ink for Markers ANGELA N. TUGADI JHEZZEL B. SNACHEZ SHENA MAE B. FORTES, An-ana-ao ES, Tayum District Homemade Battery... JERICO T. ZAPATA APRILL LOWELL B. DEL ROSARIO AUGUSTINE GERDY R. SALIM, Tayum CS, Tayum District | |
| Secondary Life Science Individual Category | <ol style="list-style-type: none"> Quality of Food Wrappers from Chesa under Different Ratio LESLIE JOR R. CAMADDO, An ana-ao IS Potential Use of Mayana and Balayang DIVINE ROSE B. OBIAS, An ana-ao IS Effects of Dried Unik Extract for Commercial Uses JOHN ROVIC B. FERNANDO, Abra HS | <p>JESSICA T. CLAUSTRO</p> <p>NELSON T. SANTOS</p> <p>RENATO J. BERNARDEZ</p> |
| Secondary Life Science Team Category | <ol style="list-style-type: none"> Antimicrobial Ability of Allagat Leaf Extract against Escherichia coli and Staphylococcus aureus PRINCESS ANNE NICOLE B. RABANG KARYLLE B. REBALLOS JOHN JEFFERSON L. SISON, Abra HS Anti-hyperglycemic Effect of Culm Sheaths Extract through Glucose Oxidase Method DAUDENIX TIMBREZA MICHAELA CALVO KAYE IRISH MILLARE, Abra HS Comparative Anti-microbial Susceptibility Test of Young Pikaw Leaves and Kariskis KENETH SERUNO MA. TERESA R. VISTE KURT DANIELLE AGDEPPA, Abra HS | <p>MARICAR R. SUSON</p> <p>MARICAR R. SUSON</p> <p>FELY C. AQUINO</p> |
| Secondary Physical Science Individual Category | <ol style="list-style-type: none"> ADONIS ROY TADEO, Abra HS Activated Carbonized Corn Cobs as Automotive Vehicle Exhaust Filter of Gas Pollutant Emission NIKA NIRA IANUA V. FLORES, Abra HS SMS-Based Household Power Shut-off System SHEFFANY DIAME C. VALENCIA, Abra HS | |
| Secondary Physical Science Team Category | <ol style="list-style-type: none"> JOSHUA JOHANN A. CARINO GJ M. MARTINEZ HONEY GIRL SILVANO JANE MIAH MALARA BALICAO BEE JAE APALIS JERSON DAVE P. PADAGAS ANGELIE T. ALFILER RYAN C. NADELA | |
| ROBOTICS INNOVATION MACHINE (RIM) | | |
| Individual Category | <ol style="list-style-type: none"> Real Time Earthquake and Fire Detection Through SMS and Web Based Data Monitoring and Notification System MELJON R. VISTE, Abra HS Arduino Based Automatic Plant Watering System TRISHIA KEITH B. MACARIO, Abra HS Arduino Based Solar Tracker with Voltage Output Monitoring System via Bluetooth _____, Abra HS | <p>JEPHUNEH GASMEN</p> <p>JEPHUNNEH GASMEN</p> <p>JEPHUNNEH GASMEN</p> |
| Team Category | <ol style="list-style-type: none"> Energy Efficient and Fire Prevention Lighting System Through PIR Sensor, SMS and Bluetooth Modulation LEIDY PAMELA SHAYNNE U. GARCIA JAMIE MARIE A. TADEO ANNIE LORAINNE B. BOCARILE, Abra HS | <p>FELY AQUINO</p> <p>JEPHUNNEH GASMEN</p> |

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| | 2. SecuBot: Anti-crime Automatic Lighting Alert System to Suspicious Acts with SMS notification _____, Abra HS | JUN JUN PESCADOR |
| | 3. Anti-illegal Parking Alert and Warning System with Web App Notification _____, Abra HS | |
| INNOVATION TECHNOLOGY | | |
| Individual Category | 1. Seebeck BBQ Grill Electric Generator JASMIN L. LLAMADA | RENATO BERNARDEZ |
| | 2. Aeropnics as an Autonomous System Using Intelligent Space for Agriculture _____, Abra HS | DENIS BULDA |
| | 3. MOLIVE (Modified Life Vest) RAY DAMASEN, San Isidro NHS | SHERWIN ZAPATERO |
| Team Category | 1. Automatic Smart Waste Segregator Trash Bin via SMS G-TRICK AYEN C. NAVARRO XANDRA MARIA B. TOLENTINO FRANCES GUIA C. PINERA, Abra HS | JUN JUN PESCADOR |
| | 2. Portable Vegetable-Fruit Rotor Slicer Shredder Machine KRISTINE L. VALERA MARY JANE L. BLASÉ CHRISTINE DIANNE AMOR B. BALBUENA | JEPHUNNEH GASMEN |
| | 3. Manual Electrical Small-Scale Peanut Sheller Machine FRANCES MARIAN M. BERNARDEZ SHASTINE BRIENN B. CLAOR CASSANDRA NICOLE D. ATON | JEPHUNNEH GASMEN |
| ON THE SPOT SCIENCE COMPETITION | | |
| | 1. HELEINA E. TAEZA & REYMARK B. BRIOSO, Abra HS | RENATO BERNARDEZ |
| | 2. HAZEL SHANE T. AZADA & EFREN JAY B. RABOY, Marc Ysrael B. Bemos Memorial NHS | |
| | 3. JAYMARK S. MASAOAY & ANGELINE MALIM, Northern Abra NHS | JONAI DA LAURETA |
| 2019 OUTSTANDING SCIENCE TEACHER | | |
| Elementary | RUBY BRINGAS, Bangued District | |
| Secondary | RENATO J. BERNARDEZ, Abra HS | |

- FIRST PLACE WINNERS** will be the official participants in the 2019 Regional Science and Math Festival to be held on November 25-28, 2019 (*tentative date*) at Tabuk City.
- For Science Investigatory Project (SIP), Robotics Intelligent Machines (RIM), Technology Innovation and Mathematics Investigation (MI), official entries in the regional level will be the **TOP THREE (3) WINNING PROJECTS**. Submission of final copies of projects to the members of the Division SRC will be on or before November 10, 2019 in three (3) copies following the color code below:

| <i>Category</i> | <i>Color</i> |
|---|--------------|
| Physical Science/ RIM / Technology Innovation | RED |
| Life Science | BLUE |
| Elementary Projects | GREEN |

- Planning conference of winning coaches relative to the conduct of the regional level competition will be announce later.
- Immediate dissemination of this memorandum is desired.