Republic of the Philippines

**DEPARTMENT OF EDUCATION**

Cordillera Administrative Region

**SCHOOLS DIVISION OFFICE OF ABRA**

Bangued, Abra

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October 4, 2016

**DIVISION MEMORANDUM**

**No.162, s. 2016**

**RESULT OF THE 2016 DIVISION SCIENCE AND MATH FESTIVAL**

To: Public Schools District Supervisors

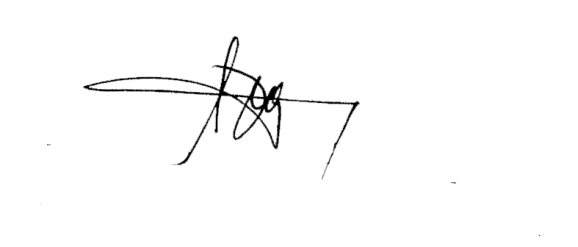
Secondary and Elementary School Heads

Participating Private Schools

1. Below is the overall result of the just concluded **2016 Division Science and Math Festival**with the theme: “Juan Science, Juan Math, Juan Nation” held at Calaba Elementary School, Camp Juan Villamor, Calaba, Bangued, Abra on September 30 to October 1, 2016.

|  |  |  |
| --- | --- | --- |
| **Rank** | **Elementary Level** | **Secondary Level** |
| *Champion* | Tayum District (31) | Abra High School (71) |
| *First Runner – up* | Bangued District (14) | Northern Abra NHS (13) |
| *Second Runner – up* | Dolores District (13) | Manabo NHS (11) |
| *Third Runner – up* | Bucay District (12) | Gaddani NHS (8) |
| *Fourth Runner – up* | Lapaz District (11) | San Isidro NHS (7) |

1. List of winners in the different competitions is in *Enclosure No.1*.
2. All **FIRST PLACE WINNERS**in the division level competitionsincluding the Strategic Intervention Material (SIM) – Teachers Category will be the official participants in the 2016 Regional Science and Math Festival which is scheduled on November 23-26, 2016and it will be hosted by the Schools Division Office of Abra.
3. For Science Investigatory Project (SIP) and Math Investigation (MI), regional entries will be the **TOP 5 WINNING PROJECTS**. Submission of edited hard copies to the members of the Division SRC will be on or before ***October 31, 2016*** in three (3) copies.
4. Planning conference of winning coaches will beon ***November18, 2016, 8:00 AM at the DivisionConference Hall.***
5. Immediate dissemination of this memorandum is desired.



**RONALD B. CASTILLO, CESO VI**

Schools Division Superintendent

2016 DIVISION SCEINCE ANDMATH FESTIVAL result

**Theme:“Juan Science, Juan Math, Juan Nation”**

Calaba Elementary School, Bangued, Abra

September 30 – October 1, 2016

|  |  |  |
| --- | --- | --- |
| **EVENTS** | **WINNERS** | **COACH** |
| **SCIENCE QUIZ** | | |
| ***Grade 3*** | 1. **Caitlin Tish C. Talingdan– (Dolores)** 2. Richard Cedric T. Gurla – (Lapaz) 3. Rochean A. Tuscano – (Lagangilang) | 1. Rowena c. Pacsa 2. Shiela A Somera 3. Myrna I. Campos |
| ***Grade 4*** | 1. **Jerlyn P. Gines– (Dolores)** 2. Rexume S. Pantil – (Lapaz) 3. Tyra Levine T. Belisario – (Manabo) | 1. Radegondez T. Ayunon 2. Gundelina Q. Valdez 3. Connie B. Tulan |
| ***Grade 5*** | 1. **FranchescaLouisseCastañeda– (Lagangilang)** 2. Roldan KooiTagura– (Tayum) 3. Nicole Anwar – (Bangued East) | 1. Armelina C. Omli 2. Maribeth M. Tuazon 3. Myla L. Abanilla |
| ***Grade 6*** | 1. **Alster Jeremy R. Balino– (Lapaz)** 2. Juart Niño B. Fetalvero – (Manabo) 3. Jam Carlo G. Salvador – (Dolores) | 1. Silvestre B. Quiday 2. Loreto A. Peñalosa 3. Venus E. Soliven |
| ***Grade 7*** | 1. **RonnelTugadi– (Abra HS)** 2. Roshan Jed P. Talledo – (RosalioEduarte NHS) 3. RaymonBlanza – (NorhternAbra NHS) | 1. Ma. Agnes Faye B. Bringas 2. Jan Michael A. Bose 3. Glenda B. Gacutan |
| ***Grade 8*** | 1. **Kea Mae Cosme – (Dilong NHS)** 2. Bernard Bergonia – (Marc Ysrael B. Bernos MNHS) 3. Jairuz Mae D. Castillo – (Holy Ghost School) | 1. Didith w. Del Pintor 2. Corazon B. Luarca 3. Jessalyn B. Agudal |
| ***Grade 9*** | 1. **Daeril Jed Tanura – Northern Abra NHS** 2. MaurinOplawan – Supo NHS 3. John C, Agcaoli – San Isidro NHS | 1. Marilou T. Sotis 2. Joan M. Rosendo 3. Sherwin B. Zapatero |
| ***Grade 10*** | 1. **Dianne Baldemor– (Northern Abra NHS)** 2. ReynalynParcon – (Gaddani NHS) 3. Joyce Danica M. Aban – (RosalioEduarte NHS) | 1. Lailanie B. Jacquias 2. RodelynTejero 3. Rosemarie B. Borgonia |
| **MATHEMATICS QUIZ** | | |
| ***Grade 4*** | 1. **Felman Aguilar – (Bangued West)** 2. Aila May D. Basuyang– (Luba) 3. Ranah Chloe Izabelle B. Sawadan – (Manabo) | 1. Arlene Furiel 2. Roland P. Dao-ayan 3. Mirriam A. Bagani |
| ***Grade 5*** | 1. **Wayne JunckieYhugeLaudencio– (San Isidro)** 2. ChrislynBaruela – (Lapaz) 3. ZethricAr-em M. Libraod– (Bangued East) | 1. Imelda Castillo 2. Vicky C. Abella 3. Marichristy B. Turqueza |
| ***Grade 6*** | 1. Althea Mae D. Garban– (Manabo) 2. KhianHasleyFronda– (Bangued East) 3. Caesar Ian Sevilla– (Dolores) | 1. Ronald A. Almazan 2. Nora R. Badere 3. Gregorio B. Cabalbal Jr. |
| ***Elem-Written*** | 1. **Jolo Delos Reyes Bobias – (Bucay)** 2. Lizelle Jane B. Baltazar – (Tubo) 3. Jasmin Kaye B. Baruela – (Lapaz) | 1. Manio Garcia 2. Jolibeth S. William 3. Mylyn A. Brub |
| ***Grade 7*** | 1. **– Queen of PeaceCanan** 2. Gerald RenzBarcena – Manabo NHS 3. Christine Dianne Amor Balbuena – Abra HS | 1. Adela B. Beleno 2. Lolinia V. Aben |
| ***Grade 8*** | 1. **Rey AldrinOgbinar – Queen of Peace – Lapaz** 2. RhydrixLeighn C. Barcena – Gaddani NHS 3. Lester Amor Malangen – Northern Abra NHS | 1. Angelo G. Adriatico 2. Maria Thelma S. Dumagay 3. Christine E. Talledo |
| ***Grade 9*** | 1. **Edzae Y. Paguio– Abra HS** 2. KarylePaligutan – Tagodtod NHS 3. MargarethObngayan – Capitan NHS | 1. Palmero Garcia 2. Reynaldo G. Bolante 3. Mike D. Dam-as |
| ***Grade 10*** | 1. **June Hope Aznar – Abra HS** 2. Greg Christian Gerona – Northern Abra NHS 3. MaicaTacis – Tagodtod NHS | 1. CharloneBlaquera 2. Ana Lorena A. Tadeo 3. Violeta T. Tebia |
| ***Sec-Written*** | 1. **Marco T. Bose – Gaddani NHS** 2. Sheena Blaza – Abra HS 3. Jheramee Hanna Layao – Pulot NHS | 1. Elvie T. Tejero 2. CharloneBlaquera 3. Robert A. Dawigay |
| **SCI-DAMA** | | |
| ***Water Patrol (G3/G4)*** | 1. **Pearlyn Jay Escauso – (Lagayan)** 2. Dwane Maverick Balaoro – (Dolores) 3. Irene Grace Borja – (Bangued East) | 1. Febonie C. Stock 2. Pamela Valera 3. Marivic Regalado |
| ***Power Patrol (G5/G6)*** | 1. **John Mark D. Carbonel – (Luba)** 2. Jenny V. Tarona – (Tayum) 3. RomelynBuenavista – (Bangued East) | 1. Robert Balao-as 2. Joel B. Tollas 3. Charito T. Venus |
| ***Electro (G7)*** | 1. **DinniseBeroña– Western AbraANHS** 2. Arsenio A. Berido Jr. – Pilar Rural HS 3. Clarence Jake Galang – Supo NHS | 1. Ma. Jean Franco 2. Susan A. Mina 3. Joan M. Rosendo |
| ***Sci-Not (G8)*** | 1. **Honey Jane Castillo – Abra HS** 2. Ana Mae Bodaño– Pilar Rural HS 3. Phoebie Kate Serrano – ASIST Bangued | 1. Mary Ann Balingit 2. Geralin O. Turqueza 3. Jonathan Zales |
| ***THI***  ***(G9)*** | 1. **Wendell Viernes – Supo NHS** 2. Geomar Greg Claoro – Northern Abra NHS 3. Jericho Candelario – Western Abra NHS | 1. Joan M. Rosendo 2. Glenda B. Gacutan 3. Ma. Jean Franco |
| ***Thermo (G10)*** | 1. **Kennedy Pabrua – Manabo NHS** 2. Santiago Ramirez –Tiempo NHS 3. Francis Dave Bermillo–Northern Abra NHS | 1. Rolando Cabañero 2. Fredielyn Mateo 3. LailanieB. Jacquias |
| **DAMATH** | | |
| ***Whole Number (G3/G4)*** | 1. **Scott Kerwin T. Claveria – (Dolores)** 2. John Emmanuel N. Turqueza – (Bangued East) 3. Clarence A. Lunizo – (Lagayan) | 1. Melinda T. Cabanaoan 2. Emelyn L. Virgo 3. MatildeCio |
| ***Positive Fraction (G5/G6)*** | 1. **Mark Gaoat – (Tubo)** 2. JeorgeBustarga – (Pidigan) 3. Owen B. Castillo Jr. – (Lapaz) | 1. Joel Dalingay 2. MarlouPacleba 3. RhianieBorce |
| ***Integer (G7)*** | 1. **Dan Lord A. Bautista – RENHS** 2. Twinkle B. Cabebe – Luzong NHS 3. Renz Guzman – Queen of Peace Canan | 1. Rosemarie Borgonia 2. Francis Buyag 3. Alfredo Briones |
| ***Signed Fraction***  ***(G8)*** | 1. **Benedict A. Cabanilla – Suyo NHS** 2. Kent Lumiib – Dilong NHS 3. Pairideisus T. De Aro – Gaddani NHS | 1. Elnora Valentino 2. Didith del Pintor 3. Christopher Baltar |
| ***Radical (G9)*** | 1. **Kian KentdrickSindon – Abra HS** 2. Winnie Maliongan – Tiempo NHS 3. Andrey Jan Bisares – Suyo NHS | 1. Maria Theresa Balido 2. AldemarConradoAmbre 3. NidaSullian |
| ***Polynomial (G10)*** | 1. **Samuel Calahat – Pangtod NHS** 2. Jorenze Niño Patil-ao – Tiempo NHS 3. Cedrick John Llanda – ASIST Bangued | 1. Rolly A. Bisquera 2. AldemarConradoAmbre 3. Jonathan Zales |
| **STRATEGIC INTERVENTION MATERIAL (SIM) for Teachers – SCIENCE** | | |
| ***Grade 3*** | Myrna I. Campos – (Lagangilang)  ***“Types of Water”*** |  |
| ***Grade 4*** | DomingaAlcaide – (Bucay)  ***“The Pathway of Food”*** |  |
| ***Grade 5*** |  |  |
| ***Grade 6*** | Marivic G. Regalado – (Bangued)  ***“Green Green Grass of Hope”*** |  |
| ***Grade 7*** | Sherwin Zapatero – San Isidro NHS  ***“Electromagnetic Waves”*** |  |
| ***Grade 8*** | Hector S. Lopez – Cristina B. Gonzales MNHS |  |
| ***Grade 9*** | Sherwin Zapatero – San Isidro NHS  ***“What’s Your Blood Type?”*** |  |
| ***Grade10*** | Randy Ardaniel – Marc Ysrael B. Bernos MNHS  ***“Spherical Mirrors”*** |  |
| **STRATEGIC INTERVENTION MATERIAL (SIM) for Teachers – MATH** | | |
| ***Grade 4*** | DomingaAlcaide – (Bucay)  ***“Remove A Part of Me”*** |  |
| ***Grade 6*** | Marcela B. Lazaro – (Bucay)  ***“Subtracting Dissimilar Fraction in Mixed Form with Regrouping”*** |  |
| ***Grade 7*** | Aurelia B. Barroga – Cristina B. Gonzales MNHS  ***“Integers”*** |  |
| ***Grade 10*** | Rogelio A. Mangaliman – Manabo NHS  ***“Identifying Quartile”*** |  |
| **MATHEMATICS INVESTIGATION (MI)** | | |
|  | ***(Area of the Inscribed square to the Area of the Circle)*** ArnemieGayyed, Kimberly F. Gallo, and Angelica Bartolome – Manabo NHS | 1. Rogelio A. Manggaliman |
| **SCIENCE INVESTIGATORY PROJECT (SIP)** | | |
| ***Elementary Individual Category*** | 1. ***(Growth Performance of Brassica Rapa in Drip Hydroponic System)***Guillerlyn Jane S. Taeza – Tayum CS 2. ***(Solar Energy Generated Germinator Device (SEGGD) for Bitter Gourd Seed Germination and Growth)***Jerson Dave P. Padagas – An-anaao ES 3. ***(The Efficiency of Intoxicating Yam or Nami and Balinghoy or Cassava as Rodenticide)*** Yves Laurin P. Solano – Tayum CS 4. ***(Growth Performance of Lantana Camara on StaphylococusAures)***Winifredo V. Borgonia Jr. – Lagangilang ES 5. ***(Makabuhay Plant as Natural Larvacidal Solution in the Mitigation of Mosquito Growth)***Juliana Sophia A. Serrano – An-anaao ES | 1. Fides M. Escalante 2. Roberts C. Sanchez 3. Jennifer C. Balbuena 4. Prescilla D. Labanen 5. Maribeth M. Tuazon |
| ***Elementary Team Category*** | 1. ***( Painted Discarded Soda Bottles as Fresh Water Shrimp Trap)***Jinkey B. Dela Cruz and Whanerich Keith N. Bacay – An-anaao ES 2. ***(Plastic Bottles as Additive in Making Floor Tiles)***KrizleeAlona Dumlao, Ashley Kate Tamo, and Rowena D, Tugadi – Tayum CS 3. ***(Recycled Plastic Bottles as Cockroach Trap)***Icelyn Jade Bugtong, Ma. Leona Gabrielle Flores, and Ricamae Del Rosario – Tayum CS 4. ***(Re-processing Non-biodegradable Plastic Bags to be Used as Substitute for Plywood)***Eljherein Balboa, Ashley Arianne Dumlao, and Jelyn Anne Veral – Tayum CS 5. ***(Influence of Fermented Sweet Potato Leaves on the Radical Height of Onion)***John Carlo Cariño, Ashley Sanida, and Nina Chrisma Vergara – Tayum CS | 1. Catherine P. Millare 2. Mischelle G. Bugtong 3. Rosemarie T. Zapata and Elcid Molina 4. Rosemarie D. Alagao 5. Mary Jane T. Lazo |
| ***Secondary Life Science Individual Category*** | 1. ***(Hepatoprotective Ability of Bignay Leaf Extract Against Alcohol Liver Toxicity in Albino Rats)***Kiarra Ritz C. Caballero – Abra HS 2. ***(HylocereusPolyfhizus Peels as a Potential Alternative to Tisane)***June Hope D. Aznar – Abra HS 3. ***(Physiologic Response of Used Diapers as Bio-fertilizer to Tomato)***JulieneMarguax P. Benedito – Abra HS 4. ***(Apog as Termite Killer)*** Camille EdzSellong – Tineg NHS | 1. FelyC. Aquino 2. FelyC. Aquino 3. Renato J. Bernardez 4. Regenald P. Calixto |
| ***Secondary Life Science Team Category*** | 1. ***(Physiologic Response of String Bean in the Repetitive Mechanicasl Sound Wave Patterns)***Sheina Dei Guzman, Rona Claire Azarcan, and Janthrize Mari Andanan – Abra HS 2. ***(Larvacidal Effect of “Karot” Tuber Extract on Mosquito)***Alberth Jon Domingo, Precious May Gambon, and Eunice Santos – San Quintin NHS 3. ***(Rejuvenating Abilities of Shredded Dried Papaya Leaves and Chicken Manure as Organic Mulch on Onion)*** Thea Clarice B. Leones and DannahJeziel R. Subagan 4. ***(Sugarcane Residue and Pig Manure as an Alternative Biofumigant on SolanumMelongena)*** GlyzaRowhee Shalom S. Manangbao and Julien FerrineVibas – Abra HS 5. ***(Phenotypic Effect of Country Music to AllumCepa (Onions)*** CJ Martinez, Wayne Bugtong, and DzeljlahNipal – Abra HS | 1. RaysaLyneAgbilay 2. Ronalyn P. Puerto 3. Crista B. Viado 4. Renato J. Bernardez 5. FelyC. Aquino |
| ***Secondary Physical Science Individual***  ***Category*** | 1. ***(Improvised Digital Microscope Camera Adapter Using Low Cost Materials: A Boost for the Science K to 12 Curriculum)***Jhanelle Q. Paderes – Abra HS 2. ***(Innovative Desalination Chamber in Purifying Saltwater)*** Frances Tracey M. Caliwag – Abra HS 3. ***(Unconventional Air Cooling System***)Emelita Rose Tadeo – Abra HS 4. ***(Rain Alarm System)*** Judy Lou Blaza – Abra HS 5. ***(Archetypical Rain Powered Electricity Generating System)*** Oliver Bringas – Abra HS | 1. Renato J. Bernardez 2. Michelle Flores & Christine F. Quiochio 3. FelyC. Aquino 4. Ma. Agnes Faye B. Bringas 5. Renato J. Bernardez |
| ***Secondary Physical Science Team Category*** | 1. ***(Physical Response of Automatic Lighting System Prototype to Sound Vibrations)***Suet Kei Michelle P. Ngan and Dianne AlixieWyel R. Matute – Abra HS 2. ***(Motorcycle Anti-theft Early Warning and Stalling Device)***Jeshaiah D. Brigas, Febelyn B. Apuya, and Linzi Jae B. Onel – Abra HS 3. ***(Utilizing Ambient Radio Signals as an Alternative Source of Electricity)***Anime B. Lomboy, Danielle A. Reototar, and Honey Girl A. Silvano – Abra HS 4. ***(Electronic Learning Guide System for Basic Organic Chemistry)*** LaviñaDapapa, Elijah Reign Villalobos, and Michaela Calvo – Abra HS 5. ***(Utilization of Hay as a Source of Fuel)*** Adonis Rey O. Tadeo, Junie Mar W. Aspilan, and Heleina E. Taeza | 1. Cristina Bersamina& Dennis Bulda 2. JunjunPescador 3. FelyC. Aquino 4. Janssen T. Tordil 5. Renato J. Bernardez |