Republic of the Philippines

**DEPARTMENT OF EDUCATION**

Cordillera Administrative Region

**SCHOOLS DIVISION OFFICE OF ABRA**

Bangued, Abra

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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
 |