



October 26, 2017

**DIVISION MEMORANDUM**

No. 273.2017

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BENGUET DIVISION  
SCHOOLS DIVISION OFFICE

**Result of the Division Math and Science Festival**

TO: Public Schools District Supervisors  
Elementary and Secondary School Heads (Public and Private)  
Teachers

1. The Schools Division Office would like to announce the result of the 2017 Division Math and Science Festival held at Lepanto Elementary and National High School, Paco, Mankayan, Benguet last October 4 - 6, 2017.
2. Congratulations to all participants, math and science officials, the host schools and especially to all the winners.
3. The overall standing of the districts in the elementary and secondary level are as follows:

**A) Level**

ELEMENTARY			SECONDARY		
Rank	District	Total Score	Rank	District	Total Score
1	La Trinidad	148	1	La Trinidad	273
2	Mankayan	102	2	Mankayan	195
3	Tublay	77	3	Itogon	113.5
4	Bokod	65	4	Buguias	107
5	Tuba	61	5	Tublay	58.5

**B) Overall Standing**

Standing	District	Total Score
Champion	La Trinidad	421
1 <sup>st</sup> Runner - Up	Mankayan	297
2 <sup>nd</sup> Runner - Up	Itogon	172.58
3 <sup>rd</sup> Runner - Up	Buguias	161
4 <sup>th</sup> Runner - Up	Tublay	135.5

4. Attached is the list of winners.
5. Immediate dissemination of this memorandum is desired.

**MARIE CAROLYN B. VERANO, CESO VI**  
Schools Division Superintendent

**2017 Benguet Division Science and Math  
Result Per Event  
Elementary**

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Event	Rank	Pupil	Coach	District
		<b>Science Quiz</b>		
<b>Grade III</b>	1 <sup>st</sup>	Xia N. Felix	Geraldine P. Tinaza	Tuba
	2 <sup>nd</sup>	Shimea Pearl C. Pinong	Eunice B. Gayudan	Kapangan
	3 <sup>rd</sup>	Chris john B. Martin	Sheryl T. Tumali	Tublay
	4 <sup>th</sup>	Razaniel C. Tipal	Loudez U. Campos	Mankayan
	5 <sup>th</sup>	Valerie A. Liwaliw	Juveelyn G. Mesa	Bokod
<b>Grade IV</b>	1 <sup>st</sup>	Mikyla S. Pugong	Anunciata A. Paoad	Tublay
	2 <sup>nd</sup>	Aisha Mae B. Bad-ay	Marivic B. Santiban	Bakun
	3 <sup>rd</sup>	Lyndon P. Malipe	Dolores A. Ticol	La Trinidad District
	4 <sup>th</sup>	Henessie Abrielle M. Esguerra	Susan D. Akitan	Itogon I
	5 <sup>th</sup>	Prynces Thyra D. Lawangen	Elizabeth P. Lawa	Buguias
<b>Grade V</b>	1 <sup>st</sup>	Archyll Stephanie Subaday	Gina P. Viten	Itogon I
	2 <sup>nd</sup>	Samara G. Lipas	Maggie U. Balagsa	Mankayan
	3 <sup>rd</sup>	Bernie Kieth Domerez	Eleonor C. Modi	Kabayan
	4 <sup>th</sup>	Jonilyn A. Somera	Evalina L. Balangcod	Kapangan
	5 <sup>th</sup>	John Khent S. Bendi	Nena T. Kiray	Sablan
<b>Grade VI</b>	1 <sup>st</sup>	Zither S. Bey-as	Marlyn D. Corpuz	Kabayan
	2 <sup>nd</sup>	Ayleen P. Andan	Gerlei Killip	Itogon II
	3 <sup>rd</sup>	Trisha Mae Oglayon	Marylane M. Cayat	Tublay
	4 <sup>th</sup>	Justin Louie F. Kedchewan	Venerando V. Rosal	Mankayan
	5 <sup>th</sup>	Ricaella Eusebio	Sandra Calara	Private School
		<b>Sci Damath</b>		
<b>Level II</b>	1 <sup>st</sup>	Lerisha Martin	Randall R. Napeek	Itogon I
	2 <sup>nd</sup>	Jimmylou B. Calayon	Marlene O. Naboye	La Trinidad
	3 <sup>rd</sup>	Mereyl Grace T. Taplin	Felomina T. Taplin	Tuba
	4 <sup>th</sup>	Thayser B. Espiritu	Gladys F. Quero	Private school
	5 <sup>th</sup>	Mark Balang	Gabriel O. Ganawed	Kibungan
<b>Level III</b>	1 <sup>st</sup>	Shannah Mae U. Pulas	Thelma S. Lapniten	La Trinidad
	2 <sup>nd</sup>	Hanz Napeek	Susan Akitan	Itogon I
	3 <sup>rd</sup>	Rhoda Mae U. Ulep	Antonia D. Puyao	Tublay
	4 <sup>th</sup>	Gani G. Metwa	Martina D. Poket	Kibungan
	5 <sup>th</sup>	Christian P. Dagson	Martina C. Meing	Itogon II
Event	Rank	Pupil	Coach	District
		<b>Math Quiz</b>		
<b>Grade III</b>	1 <sup>st</sup>	Zyra U.Cruz	Claudine D. Tauli	Itogon II
	2 <sup>nd</sup>	Edovan A. Manongyao	Yunides C. Tanacio	Atok
	3 <sup>rd</sup>	Hangrims Jeen S. Runas	Julie A. Leo	Tuba
<b>Grade IV</b>	1 <sup>st</sup>	Allysa B. Futaleg	Marilou P. Lisayan	Itogon I
	2 <sup>nd</sup>	Yan a Zeta S. Ballasio	Arnold T. Pantalone	Kapangan
	3 <sup>rd</sup>	Maricel S. Abance	Belen B. Andres	La Trinidad
<b>Grade V</b>	1 <sup>st</sup>	Andrea G. Ventura	Fe A. Camodang	Mankayan
	2 <sup>nd</sup>	Charles Earl Pugh	Imelda G. Espiritu	Itogon I
	3 <sup>rd</sup>	Maya Alexis B. Gonzales	Jennifer Awas	La Trinidad

<b>Grade VI</b>	1st	Novie Gale B. Licuben	Melinda R. Dulagan	Itogn II
	2nd	Ivan E. Simeon	Conception P. Dacquias	Itogn I
	3rd	Joe Mark A. Aglolo	Jucila N. Dangsian	Private School
		<b>Damath</b>		
Level II	1st	Janden S. Galacyan	Marlene O. Naboye	La Trinidad
	2nd	Mark Dave B. Gumabol	Rodola M. Cubangay	Mankayan
	3rd	Kay Cedric L. Magno	Erlinda L. Tadao	Tuba
	4th	Jocelle S. Bilango	Francisca G. Dayso	Kibungan
	5th	Jasmine J. Tomino	Randall R. Napeek	Itogn I
Level III	1st	Brigette D. Ventura	Thelma S. Lapniten	La Trinidad
	2nd	Sunshine Joy D. Sotero	Antonia D. Puyao	Tublay
	3rd	Faith G. Dayso	Francisca G. Dayso	Kibungan
	4th	Jackieline P. Baroy	Vickie C. Caloy	Atok
	5th	Antonio A. Paterno	June Winer D. Joaquin	Mankayan
		<b>SIM - Science</b>		
<b>Grade III</b>	1st	Larson B. Calatero	Tublay	
	2nd	Marilou D. Logro	La Trinidad	
	3rd	Loradel B. Lumido	Mankayan	
	4th	Lynden E. Olas	Bokod	
<b>Grade IV</b>	1st	Evalisa W. Abance	La Trinidad	
	2nd	Yolly O. Sarapao	Bokod	
	3rd	Ellaine E. Besitan	Tublay	
	4th	Raquel D. Dayso	Buguias	
	5th	Ruby Ann D. Pacio	Mankayan	
<b>Grade V</b>	1st	Eleonor A. Mayomis	Bokod	
	2nd	Jovita P. Sapalit	Kibungan	
	3rd	Fema E. Acosta	Tuba	
	4th	Esterlyn D. Khayog	La Trinidad	
	5th	Cony Marie W. Salapeo	Mankayan	
<b>Grade VI</b>	1st	Eden Grace A. Balagsa	Bokod	
	2nd	Lily Ann B. Hilario	La Trinidad	
	3rd	Avelina B. Lacaden	Buguias	
	4th	Caroline T. Naag	Tuba	
	5th	Rosalie E. Cabrera	Tublay	
		<b>SIM - MATH</b>		
Grade III	1st	Prima Joseph	La Trinidad	
Grade IV	1st	Hermana P. Saweg	La Trinidad	
	2nd	Anita A. Gama	Bokod	
	3rd	Eleuterio D. Tegan	Mankayan	
	4th	Raquel D. Dayso	Buguias	
Grade V	1st	Elmerine Panagan	La Trinidad	
	2nd	Jennette G. Magciano	Buguias	
	3rd	Fema E. Acosta	Tuba	
	4th	Genevive B. Pugong	Tublay	
	5th	Eleonor A. Mayomis	Bokod	
Grade VI	1st	Lorna V. Wallit	La Trinidad	
	2nd	Caridad Y. Lacbaoan	Itogn II	
	3rd	Avelina B. Lacaden	Buguias	
	4th	Eden Grace A. Balagsa	Bokod	
	5th	Caroline T. Na-ag	Tuba	

<b>INVESTIGATORY PROJECT (Elementary-Individual)</b>					
<b>Project Title</b>	<b>Proponent</b>	<b>Research Adviser</b>	<b>District</b>	<b>Rank</b>	
White Strands of Jackfruit: Nutritious Source of Siomai Wrappers	Justine Louie F. Kedcheman	Venerando V. Rosal	Mankayan	1	
Efficacy of Fermented Sun-Callia on the Growth of Allium ampeloprasum	Frenzel L. Simeon	Jocelyn P. Langbis	Buguias	2	
Used Tea as Accelerator for Decomposition	Evelyn B. Dacutanan	Efagenia L. Paing	La Trinidad	3	
Natural Water Filter	Rhona Mae C. Villaceran	Efagenia L. Paing	La Trinidad	4	
Lanzones Seeds: Bio-insecticidal Effect for Mosquito Wrigglers	Jasper T. Panonot	Betty T. Panonot	Mankayan	5	
Efficacy of Pine Twig Ash n the Mortality of Larvae	Lovely C. Deli	Jasmin P. Relay	Bokod	6	
Potential of Jackfruit Latex as an Alternative Natural Pro-Bio Mosquito Trap	Asher P. Aquin	Joemar P. Soriano	La Trinidad	7	
Conversion of Scrap Vehicle Spring into 2-in-1 Small Japanese Fork Hoe	Richelaine Kate Espada	Michelle M. Ngala	Mankayan	8	
<b>INVESTIGATORY PROJECT (Elementary-Team)</b>					
<b>Project Title</b>	<b>Proponents</b>	<b>Research Adviser</b>	<b>District</b>	<b>Rank</b>	
Tiger Grass Improvised Thresher Machine	Levin Rey Larinas, Hesterchris Polon, Myrth Eljaye Panaten	Judy Pablo	Sablan	1	
Efficacy of Mosambica Tilapia Plant Nutrition on the Yield of Alno Climbing Beans	Jerah Mae Bastan Stephanie Kate Bugtong Gepsy Jiselle Langbis	Jocelyn Langbis	Buguias	2	
Soil Puncher Tool for Planting Radish	Leomar Gominga, Meryl Abiadew Joseph Ticyoden	Loretta L. Polkiso	Atok	3	
Fabrication of a 9w-Lithium Ion Powdered Table Lamp	Rowlie Jane Manginga, Keisha Kaye Gayag-o, Zaira Ignas	Assandra Grace S. Ngingayan	Mankayan	4	
"Indeb", a Potential Substitute to Brown Rice	Tricia Aroco, Hasel Ann Beleo Charmaine Kieith Modi	Jasmin Relay	Bokod	5	
Taro Juice Used as Green Technology Hydroguard on Windshield	Barron Brent K. Puyah Jargon Yadno	Joemar P. Soriano	La Trinidad	6	
Fermented Caramelized Sugar Used as Insect Trap	Jamzy Z. Bumahit Hannah Claire C. Guinlawan	Efagenia L. Paing	La Trinidad	7	
Insecticidal and Fertilizer Effects of Horsetail Extract on Pechay Plant	Brandon Bobsa-ay, Aprilyn Dizon Jenilaire Buras	Maybellaine Joy N. Langbis	Tublay	8	



## RESULT OF THE 2017 DIVISION SCIENCE AND MATH FAIR

OCTOBER 4-6, 2017

Lepanto ES & Lepanto NHS

### I. MATH QUIZ BEE

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#### A. Math Quiz Grade 7

Name of Participant	Coach	District
1. Sharry Kay Garcia	Decenia Cabacab	Mankayan
2. Rheanne Claire P. Balag-ey	Marchad B. Coilan	La Trinidad
3. Nikha Mae U. Pedro	Geogie Ann Bacquian	Itogon
4.5. Shivanie B. Antonio	Merolyn D. Cosme	Bokod
4.5. Jumari Noipe	Leo B. Ignacio	Atok

#### B. Math Quiz Grade 8

Name of Participant	Coach	District
1. Nick Zandrick Willy	Elizabeth D. Ocan	Tuba
2. Sean Angelo B. Palo	Jerry Cabanag	Private Schools
3. Freda P. Macaling	Joane D. Kimbungan	Mankayan
4. Blessilyn Bangonan	Jane Mata	Itogon
5.5. Jasmin S. Dio-al	Junaria s. Dio-al	Bokod
5.5. Janelle Bomil-ong	Jonie G. Pel-is	La Trinidad

#### C. Math Quiz Grade 9

Name of Participant	Coach	District
1. Verden John G. Familun	Jerry Cabannag	Private Schools
2. Williamar T. Butag	Mylie M. Arais	Atok
3. Jhea Bretz A. Alos	Tricia D. Awal	La Trinidad
4. Kyvee P. Panangkie	Georgie Ann Bacquian	Itogon
5.5. Melarose P. Seg-ed	Lobencio R. Masuca	Buguias
5.5. Jinky Lopez	Liza Lumadao	Kapangan

#### D. Math Quiz Grade 10

Name of Participant	Coach	District
1. Sage Evan T. Vilaga	Heather G. Banagui	La Trinidad
2. Charon Panas	Emelio Clason	Kabayan
3. Angel Grace Carpio	Harold W. Moncion	Itogon
4. Lever N. Alam-am	Jeana Y. Angluben	Bakun
5.5. Rhyzabelle B. Briones	Marilyn C. Yadao	Mankayan
5.5. Solomon I. Sagandoy	Jessica Wakit	Private Schools

### II. Science Quiz

#### A. Science Quiz Grade 7

Name of Participant	Coach	District
1. Jacelle Puyongan	Judith Diacsan	Mankayan
2.		Kabayan
3. Jomar Tarasi	Aida L. Mayos	Atok
4. Christian Dave B. Gosgog	Merolyn D. Cosme	Bokod
5. Alexander Jules T. Kindipan	Veneranda P. Dawey	Tuba



Republic of the Philippines  
DEPARTMENT OF EDUCATION  
**Cordillera Administrative Region**  
**SCHOOLS DIVISION OFFICE OF BENGUET**  
Wangal, La Trinidad, Benguet  
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**B. Science Quiz Grade 8**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Aiza G. Sandiwa	Jovy Dale F. Politchay	Buguias
2. Iverson Dave Tagapan	Janice c. Bagiw	Itogon
3. Jacelle Puyongan	Judih Diacsan	Mankayan
4. Rouxvick T. Dictag	Edelberta W. Gabuyo	Bokod
5. Joanna B. Guisdan	Jonahan S. Busilac	Bakun

**C. Science Quiz Grade 9**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Victor Norris Pis-oy	Mary Grace S. Loakan	Itogon
2. Marinol Domeris	Grace Bilog	Private Schools
3. Jervin A. Cangsan	Ana Liza W. Cortes	Bokod
4. Jecel G. Bugtong	Virgie Q. Sanchi	Kabayan
5. Shayra Lyn L. Pay-an	Julia D. Casi	Sablan

**D. Science Quiz Grade 10**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Daniela Gundangan	Mayryn Almeda	Mankayan
2. Jelena P. Paleng	Roderick A. Nierva	La Trinidad
3. Rojon P. Sabayao	Jomar B. Palileng	Buguias
4. Faye Tondo	Nelia L. Depaynos	Tublay
5. Rogielyn W. Paka-o	Ana Liza W. Cortes	Bokod

**III. Damath**

**A. Integer DaMath- Grade 7**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Clijen Sagayo	Evander Hidalgo	Kapangan
2. Keven Pipen Malogat	Shirley B. Dalang	Itogon
3. Fertyn Paul	Janice S. Dionisio	Tuba
4. Mark Njel Pedro	Sarah S. Dino	Mankayan
5. John Rey Bayating	Nanette N. Bayating	Tublay

**B. Signed Fractions DaMath - Grade 8**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Johnson C. Pacliwan	Eljun L. Arisga	Tuba
2. Harold P. Organo	Juline Y. Tbiy-ew	Bakun
3. Jereco Bautista	Jacqueline A. Gabatino	Mankayan
4. Grail W. Domeyeg	Shaila S. Quiban	Private Schools
5. Sanny Sanggoy	Crispher D. Ediong	La Trinidad

**C. Radicals DaMath - Grade 9**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Alvin Kleint Cabatan	Mary Grace S. Loakan	Itogon
2. John Paul Cancino	Fabiola A. Lucop	Private School
3. Jasper Ballagan	Julie Buyagan	Kabayan
4. Jenar Gonzales	Janice S. Dionisio	Tuba
5. Joktan D. Palayen	Juline Y. Talay-ew	Bakun



D. Polynomials DaMath - Grade 10

Name of Participant	Coach	District
1. Noriel M. Alapang	Rosemarie C. Pasi	Sablan
2. Rustom Lucas	Melba Canol	Kapangan
3. Icelee W. Dasi	Emilio E. Calabias	Itogon
4. Shalom Mendoza	Dorotea B. Aayo	Mankayan
5. Christian Dayawen	Janice S. Dionisio	Tuba

**IV. Sci-dama**

A. Electro SciDama- Grade 7

Name of Participant	Coach	District
1. Jenar B. Kias	Anna Liza W. Calabias	Itogon
2. Kim Bill C. Balantan	Julia L. Bangcado	Kibungan
3. Garthville Haranila	Janet Eslao	La Trinidad
4. Alvin Felipe	Chrislyn P. Calado	Private School
5. Razel Jake Asingwa	Evangeline B. Lingaling	Tublay

B. Scientific Notation SciDama DaMath - Grade 8

Name of Participant	Coach	District
1. Rexton S. Camsol	Matilde S. Ladip	Mankayan
2. Nicole Lynn I. Bangaan	Rose aye ecay	La Trinidad
3. Jenru Marquez	Marcelo Watawat Jr.	Kapangan
4. Jayson J. Lacapan	Jocelyn M. Mero	Itogon
5. Rodney D. Bongtiwon	Jonathan S. Busilac	Bakun

C. THI SciDama - Grade 9

Name of Participant	Coach	District
1. Preznaedy Nebalasca	Loida A. Boslay	Tublay
2. Steven Picpican	Leonardo Calatan Jr.	Private School
3. Ishi S. Carbonilla	Eljun L. Arisga	Tuba
4. Agosto C. Camsit	Mary Grace Loakan	Itogon
5. Jeavonne Kate D. Domeg-as	Genadeth Cachola	Mankayan

D. Thermo SciDama - Grade 10

Name of Participant	Coach	District
1. Sawi Ateo	Michael Dave K. Dallaas	Mankayan
2. Jenny Ann Banguete	Chester Lacongan	Private School
3. Junelie Agayo	Wineda Bolay	Kapangan
4. Ivy Yoshika C. Olsim	Simon L. Langbis	Buguias
5. Rojan Kurt Toquero	Jocelyn M. Mero	Itogon

**V. Mathematical Investigation**

A. Mathematical Investigation (Junior High School)

1. Individual Category- Cluster I

Name of Participant	Coach	District
1. Maria Emmanuelle Mendoza	Jim Alberto	Itogon
2. Jhune Galvez	Jufelia Paduyao	La Trinidad



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**2. Individual Category-Cluster II**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Asther L. Parian	Alvin Guaki	La Trinidad
2. Rajjelli Ann L. Piok	Alvin Guaki	La Trinidad
3. Hazel Carey T. Sallatic	Alvin Guaki	La Trinidad

**3. Team Category-Cluster I**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. Christine Kate Pis-oy Jeremy Paulino Charmaine Sabiano	Jim Alberto	Itogon
2. Maricris N. Cayamdas Faith L. Montes Chelsea D. Poclis	Jim Alberto	Itogon

**4. Team Category-Cluster II**

<i>Name of Participant</i>	<i>Coach</i>	<i>District</i>
1. DJ K. Esnara Ezra Avex P. Balong-angey	Alvin Guaki	La Trinidad
2. Esagany M. Aguiguid Karen L. Canabe	Alvin Guaki	La Trinidad
3. Gian Kyle C. Dacquias Justine Anne A. Ponit Kin Piras	Alvin Guaki	La Trinidad
4. Mae Bless C. Alagon Katelyn Ann Bacasen	Alvin Guaki	La Trinidad
5. Krystal Joanne A. Baniaga Krystal Joy L. Gayasco	Alvin Guaki	La Trinidad

**B. On-the-spot mathematical investigation (Senior High School)**

**1. Individual Category**

<i>Name of Participant</i>	<i>Coach</i>	<i>School District</i> <i>District</i>
1. Alyssa Joyce F. Cachin	Wilma G. Adawan	CRSHS, La Trinidad
2. Fredrick Bag-ayan Jr.	Wilma G. Adawan	CRSHS, La Trinidad
3.5 Joshua T. Velasco	Jardson S. Onio	Mankayan NHS, Mankayan
3.5 Karen C. Lozada	Agustina B. Padinay	TSHI, Tublay
5. Czarlynn L. Serrano	Jessica P. Wakit	HOPE Christian Academy

**2. Team Category**

<i>Name of Participant</i>	<i>Coach</i>	<i>School District</i> <i>District</i>
1. Aiken L. PENCHOG, Merriam Dazirylle W. Baniaga	Wilma G. Adawan	CRSHS, La Trinidad
2. Sylvestre G. Ocampo, Kyn Evanne B. Verano	Wilma G. Adawan	CRSHS, La Trinidad
3.5. Frazel S. Baniaga, Kyla Gayle T. Morales	Wilma G. Adawan	CRSHS, La Trinidad
3.5. Alpha Joy L. Martin, Diana T. Elong, Desiree S. Palpeg	Jim D. Alberto	Ampucao NHS, Itogon
5 Dianne Althea Mabiassen, Hannah Pandosen, Yvonne Oticao	Alma T. Udacion	Lepanto NHS, Mankyan