



Republic of the Philippines  
**Department of Education**  
 CORDILLERA ADMINISTRATIVE REGION

**RELEASED**  
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DepEd DIVISION OFFICE  
 BAGUIO CITY  
 January 7, 2021  
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**RECEIVED**

**REGIONAL MEMORANDUM**  
 No. 006.2021

To: OIC-Assistant Regional Director  
 Regional Office Division Chiefs  
 Schools Division Superintendents  
 All Others Concerned

**RESULTS OF THE 2020 MATHEMATICAL INVESTIGATION COMPETITION**

- This Office, through the Curriculum and Learning Management Division, announces the results of the recently conducted **2020 Mathematical Investigation Competition** participated in by Grades 4 to 12 learners from both public and private schools in the region as per RM Nos. 266 and 330, s. 2020. The virtual awarding ceremony was streamed live through **DepEd Tayo Cordillera FB page** on December 23, 2020.
- Please see **Enclosure 1** for the list of winners per category in each key stage. The top 3 winners in each category shall receive certificates of recognition and medals. Certificates and medals shall be sent via courier to the winners' school addresses.
- Immediate dissemination of this Memorandum is desired.

  
**ESTELA L. CARIÑO EdD, CESO III**  
 Director IV/Regional Director

CLMD/CFM/bah



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**Enclosure 1**

**2020 MATHEMATICAL INVESTIGATION COMPETITION WINNERS**

December 23, 2020

**A. Key Stage 2**

**1. Individual Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participant	Diosan, Charles John Dennis, S.	Elvena, Christianne Gabrielle, C.	Dumalan, Sharika Faith
Title of Math Investigation Entry	Building Match Sticks Sequence Using Regular Octagons	Shrinking Polygons	Square in a Square
Name of School	Gibraltar Elementary School	Bucay Central School	Haliap Elementary School
Name of Coach	Garcia, Jimmy Jr. B	Catriz, Laureen, T.	Tul-o, Jeanette, B.
Name of Math Supervisor	Copsiyan, Francisco	Rifareal, Mijurodel	Belington, Lydia
Division	Baguio City	Abra	Ifugao

**2. Group Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participants	Bulauan, Ashnica Zarein A.	Sumensin, Hajhezia Grace S.	Cruz, Josh Lian B.
	Abellera, Meishael Chyne L.	Go, Michael S.	Quidangen, Akyrra Marie T.
	Gadate, Kc Maye G.		
Title of Math Investigation Entry	Solving the Perimeter of Expanding Equilateral Triangle	Formula in Finding the Area of an Equilateral Triangle with Only Side Given in Elementary Mathematics	Finding the Surface Area of an Increasing Cube by Adding Congruent Cube/s
Name of School	Puguis Elementary School	Bakakeng Elementary School	Luba Central School
Name of Coach	Soriano, Joemar P.	Decoran, Reagan A.	Balao-As, Robert D.
Name of Math Supervisor	Bagsao, Wilfred	Copsiyan, Francisco	Rifareal, Mijurodel
Division	Benguet	Baguio City	Abra

*[Handwritten signature]*



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**B. Key Stage 3**

**1. Individual Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participant	Tacas, Samara Yancee E.	Portugal, Psalms Wenrose A.	Soralde, Richardyne Lei G.
Title of Math Investigation Entry	The Golden Petals	The Area of a Growing Germ of Life and the Circumference of the Circle Circumscribing it in the nth Stage	The Figures found in Mandala Iteration
Name of School	Apayao Science High School	Tabuk City National High School	Pines City National High School
Name of Coach	Gamiao, Daine D.	Ngao-I, Beverly T.	Baas, Estrella B.
Name of Math Supervisor	Ramos, Jane	Ubuan, Emmanuel	Copsiyan, Francisco
Division	Apayao	Tabuk City	Baguio City

**2. Group Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participants	Atienza, Ryza Jennine B.	Alunday, Cristalyn G.	Lazo, Athena Karhyle N.
	Magno, Lhyzael Alethea J.	Cacayan, Heidy Lei G.	Abad, Mykhailla Jzemigma D.
	Padang, Rubijane D.	Mandingwan, Mylyn B.	Saguid, Thea G.
Title of Math Investigation Entry	The Area and Circumference of Eight-Petal Lotus Flower in the nth Stage	The Equilateral N-Pointed Stars	nth Tetragrammaton
Name of School	Tabuk City National High School	Tappo Vocational High School	Baguio City National Science High School
Name of Coach	Fernandez, Jerlyn	Guitering, Jonalyn P.	Andro Bilag
Name of Math Supervisor	Ubuan, Emmanuel	Tawatao, Silverio	Copsiyan, Francisco
Division	Tabuk City	Kalinga	Baguio City



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**C. Key Stage 4**

**1. Individual Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participant	Dela Torre, Stephen G.	Cunanan, Erica Nicole L.	Canabe, Karen Joy L.
Title of Math Investigation Entry	$n$ - Pointed Shurikens	Hexagon Snowflakes	Area of the $n$ -pointed Star Constructed upon Surrounding the Sides of a Regular $n$ -gon with $n$ Equilateral Triangles in $k$ Iterations
Name of School	Baguio City National High School	Apayao Science High School	Cordillera Regional Science High School
Name of Coach	Kiw-Isen, Laila B.	Gamiao, Daine D. Bernardo, Michael B.	Banagui, Heather G.
Name of Math Supervisor	Copsiyan, Francisco	Ramos, Jane	Bagsao, Wilfred
Division	Baguio City	Apayao	Benguet

**2. Group Category**

<b>RANK</b>	<b>First Place</b>	<b>Second Place</b>	<b>Third Place</b>
Name of Participants	Diaten, Kendrick S.	Asuncion, Chelzeah	
	Jose, Franelyn Dale T.	Caluya, Joni Daniel	
	Songot, Ishtar Karylle D.	Dugay, Eduard David	
Title of Math Investigation Entry	The Length of a Leg of the Trapezoid and the Length of a Side of a Rhombus in the Truncated Square Pyramid and the Volume, the Total Lateral Surface Area, and Total Surface Area of the Truncated Square Pyramid in the $n$ th Iteration	The Area of a Spinner in the $n$ th Stage	
Name of School	Cordillera Regional Science High School	Apayao Science High School	
Name of Coach	Banagui, Heather G.	Gamiao, Daine D.	
Name of Math Supervisor	Bagsao, Wilfred	Ramos, Jane	
Division	Benguet	Apayao	