



Republic of the Philippines
Department of Education
Region XI
SCHOOLS DIVISION OF DIGOS CITY
Digos City



November 28, 2018

Division Memorandum
No. 1170 s. 2018

2018 Regional Sci-Tech Expo

**To: Public Schools District Supervisors
School Principals/Officers-in-Charge
Public Elementary and Secondary Schools**

1. In pursuance to Regional Memorandum No. 221, s. 2018, the 2018 Regional Sci-Tech Expo will be conducted on November 29, 2018 to December 1, 2018 at the Tagum City National High School, Visayan Village, Tagum City.
2. There will be three (3) events to be competed, to wit:
 - A. Science Investigatory Project (Elementary Level)
 - B. Strategic Intervention Material (SIM) in Science for Teachers
 - C. Science Quiz Bee Competition
3. The Mechanics and Guidelines are found in Enclosures 1-3.
4. Relative to the conduct of the activity, the following are included as Judges for SIM: Mary Joy Fortun, Principal I, Janely Pantinople, Head Teacher IV, Mishel Cadungog, MT I, Lalaine Mortalla, MT I.
5. As per above mentioned Regional Memorandum, participants are entitled to service credits or Compensatory Time-Off (CTO) for services rendered during Saturdays, Sundays and holidays. Said privileges are in accordance with DepEd Order No. 53, s. 2003 on Updated Guidelines on Grant of Vacation Service Credits to Teachers and Civil Service Circular No. 2, s. 2004 on Non-Monetary Remuneration for Overtime Service Rendered.
6. Travel and other incidental expenses of the participants are chargeable against available local funds/school MOOE and other sources subject to the usual accounting and auditing rules and regulations.
7. For information, guidance and compliance.

FOR AND IN THE ABSENCE OF:

WINNIE E. BATOON, Ed. D
Officer-in-Charge
Office of the Schools Division Superintendent

Encls: as stated, 2018

Reference: Regional Memorandum No. 221, s. 2018

To be indicated in the Perpetual Index under the following subjects:

CURRICULUM

SCIENCE

COMPETITIONS

lbj: 2018 sci-tech expo

28 November, 2018

Melanie P. Jastacio
MELANIE P. JASTACIO, Ph.D.
OFFICER-IN-CHARGE
OFFICE OF THE ASSISTANT SCHOOLS DIVISION SUPERINTENDENT

DepEd Schools Division of Digos City

RECORDS SECTION

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DATE: 29 NOV 2018 TIME: 2:18

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November 26, 2018

REGIONAL MEMORANDUM

No. 221 s. 2018

DepEd Schools Division of Digos City
RECORDS SECTION

 **RECEIVED** 235
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2018 REGIONAL SCITECH EXPO

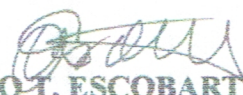
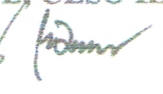
TO : **Schools Division Superintendents**

1. In pursuance to the Regional Memorandum No. 212 s. 2018 this Office announces the conduct of the **2018 Regional Sci-Tech Expo** on November 29 - 30 and December 1, 2018 at the Tagum City National High School, Visayan Village, Tagum City.
2. Relevant to this, please be informed that the three (3) final events to be competed are the following:

Events Contest	Category/Level	No. of Participants/Events
A. Science Investigatory Project Competition		
Elementary	Individual	Top 2 winners per Division
	Team (Max. of 3 members)	Top 2 winners per Division
B. Strategic Intervention Material (SIM) in Science Competition – For Teachers Only		
Elementary	Individual Grades 3 – 6	1 SIM entry per Division
Secondary	Individual Grades 7 – 12	1 SIM entry per Division
C. Science Quiz Bee Competition		
Elementary (G4-G6)	Team- Maximum of 3 members, could be compose of any learner within the indicated Grade levels, must come from the same division	Top 1 Team per Division
Junior HS (G7-G10)		Top 1 Team per Division
Senior HS (G11 & 12)		Top 1 Team per Division

3. The Mechanics and Guidelines of the events are found in Enclosure 1 -3. The deadline of submission of the manuscripts for SIM must include the Action Research and Digitized Copy (in CD/DVD copy) and Elementary SIP (with logbook) is on Nov. 29, 2018, 8:00 – 12:00 noon at Tagum City National High School. Late submission of manuscripts means disqualification.
4. The Final list of Technical Working Group is provided in Enclosure Number 4. The final briefing for the TWG members and Judges as well as the pre judging of entries is on November 29, 2018, 2:00 at the AVR of Tagum City NHS. Prompt attendance of all the TWG members and Judges is a must.
5. Attendance and participation of public school teachers in this activity and in the planning conference is subject to the no – disruption of classes policy stipulated in Dep Ed Order No. 9, s. 2015 or the instituting Measures to Increase Engaged Time – On Task and Ensuring Compliance Therewith. It is also emphasized that participation of pupils/ learners requires parental consent.

6. Details of the activity are found in the enclosures.
7. Participants are entitled to service credits or Compensatory Time – Off (COT) for services rendered during Saturdays, Sundays and holidays. Said privileges are in accordance with DepEd Order No. 53, series 2003 on updated Guidelines on Grant of Vacation Service Credits to Teachers and Civil Service Circular No. 2, s. 2004 on Non-Monetary Remunerations for Overtime Service Rendered.
8. Transportation, meals and other relevant incidental expenses of learners and teachers shall be charged against available local funds/ school MOOE and other sources subject to the usual accounting and auditing rules and regulations.
9. Prompt and immediate dissemination of this Memorandum to all concerned is earnestly desired.


ATTY. ALBERTO T. ESCOBARTE, CESO III
Regional Director 

Encls: As Stated

Reference: Regional Memorandum No. 212 s. 2018

To be indicated in the Perpetual Index:

Under the following subjects:
CELEBRATIONS AND FESTIVALS
CONTESTS
SCHOOLS
SCIENCE EDUCATION
STUDENTS

DEPARTMENT OF EDUCATION ROXAS
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Enclosure No. 1 to Regional Memorandum, No. 22]

**GUIDELINES FOR THE ELEMENTARY SCIENCE INVESTIGATORY
PROJECT (ESIP)**

Elementary Science Investigatory Project (ESIP)

1. There are only two categories in the Elementary SIP competition – Individual Category and Team Category. SIPs will no longer be classified as Life Science or Physical Science. For the Team Category, there should only be three (3) pupils/students.
2. Each Division shall conduct a Division Elimination to identify their top 2 projects from public and private schools. In case of a tie the Division has to choose which project to send for the Regional Sci-Tech Expo.
3. The conduct of Elementary Science Investigatory Project Division elimination is not by grade level. Divisions have to choose the best SIP regardless of the proponent/s grade level. The maximum number of competing entries per division is as follows:

Individual Category	Top 2 winners per Division
Team Category	Top 2 winners per Division

4. There will be two phases/ stages in the ESIP:
Stage 1: Gallery Walk by the Judges and Selection of Top 5 entries for Stage 2
This shall be done in the morning from 9:30 to 11:30. All entries should be registered before the said time schedule and registration number should be clipped/ attached to the attached to the display board. Proponents should stay beside their display boards during the gallery walk
The dimensions are: 4 ft (width) x 3 ft (length). The contents of the poster are **Abstract, Background of the Study (shortened), Conceptual Framework, Method, Results & Findings, Conclusion, References** (at most three).
Stage 2: Presentation and Interview of the Top 5 entries
This shall be done in the afternoon from 1:00 to 3:00 P.M. Each selected entry must prepare a five-minute presentation. Actual outputs and journals (proponent/s' recollection of activities done) should be presented during presentation and interview stage.

5. The criteria for judging is as follows:

Criteria	Weight/Maximum Points
Scientific Thought and Engineering Goals	30 points
Creativity and Resourcefulness	30 points
Thoroughness	15 points
Research Skill	15 points
Oral Presentation Skills	10 points
Total	100 points

6. There should be three (3) replicates or copies per entry. Entries must be submitted on or before November 28, 2018.



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Enclosure No. 2 to Regional Memorandum, No. 22

MECHANICS AND GUIDELINES FOR STRATEGIC INTERVENTION MATERIAL (SIM)

1. Each Schools Division Office shall send one SIM entry per grade level: Elementary – Grade 3 to 6 and Secondary Grade 7 to 12.
2. SIM should address the least mastered competencies and should be accompanied with an action research – stating the rationale for employing SIM and citing the scientific research studies that support the need for an intervention material. Note that the accompanying action research should not necessarily be a full blown research similar to a thesis or dissertation. It should be backed up with data results that served as a proof in addressing the identified least mastered competency.
3. The maximum number of competing entries per division is as follows:

Elementary Level	Grade 3 Grade 4 Grade 5 Grade 6
Junior High School	Grade 7 Grade 8 Grade 9 Grade 10
Senior High School	Grade 11 Grade 12
Emphasis on 1 st Placer per Grade level from Grade 3 to 12	

4. There will be two stages:
Stage 1: Gallery walk by the judges and selection of Top 5 entries for Stage 2
This shall be done in the morning from 8:30 A.M. to 11:30 A.M. All entries should be registered before the said time schedule and the registration number should be clipped/ attached to the tarpaulin poster.
Stage 2: Presentation and interview of the Top 5 entries
This shall be done in the afternoon from 12:30 P.M. to 3:30 P.M. Each selected entry must prepare a five-minute PowerPoint presentation.
5. All SIM shall include the following: Title Card, Guide Card, Activity Card, Assessment Card, Enrichment Card, Reference Card, and Answer Card.
6. The criteria below shall be used in judging the SIMs.

Criteria	Points
1. Sub tasking - Competency-based - Bloom's Taxonomy Followed - SMAR – C	15points 5 6 4
2. Congruence - Activities in-line with Content and Skills - Assessment in-line with Content and Skills	15 points 5 10
3. Usability/ Functionality - Language - Title Card - Guide Card - Activity Card - Assessment Card - Enrichment Card - Reference Card - Answer Card - Packaging	45 points 3 3 4 15 3 3 3 3 3 8
4. Replicability - Validated Before Classroom Use - Developed material based on least mastered skills/ learning competencies - Material improved mastery level - Handy and easy to replicate - Cost effective	25 points 5 5 10 3 2
TOTAL	100 points

7. Based on DM No. 225, s. 2009, Enclosure No. 2 SIM display format is 3x4 ft. (tarpaulin). The display should present the basic parts of the SIM. The decision of the Judges is final and irrevocable.



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Enclosure No. 3 to Regional Memorandum, No. 221

MECHANICS AND GUIDELINES FOR SCIENCE TEAM QUIZ BEE

1. The Regional Science Quiz Bee is a team event which shall have a Quiz Show Format. The participating team from each SDO must be made of 3 members coming from the grade levels within the category. The members comprising the team must come from the same division; they do not necessarily have to be from different grade levels.
2. The three categories in the Science Quiz Bee are:
Category 1- Elementary Level (includes Grades 4 to 6);
Category 2- Junior High School Level (includes Grades 7 to 10); and,
Category 3- Senior High School Level (includes Grades 11 & 12 – including STEM specialization subjects).
3. During the Quiz Show, the participants shall answer 10 Easy Questions, 10 Average Questions, and 10 Difficult Questions. The Point Scheme and Time Allotment for each item per round is as follows:

Round	Point/s Per Correct Answer	Time Allotment
Easy (Multiple Choice)	1	10 seconds
Average (Multiple Choice)	2	10 seconds
Difficult (No Choices)	3	15 seconds (For problem-solving questions: 30 s)

Coaches shall remain in the designated holding area. Only the participating students shall proceed to the testing venues.

4. All qualifiers from the SDO must bring at least two (2) black white board markers, white board (1/4 size or A4 Paper size), and white board eraser. All answers must be written in capital letters. For problem solving items, the rules on significant figures must be followed. Use of non-programmable calculators is allowed. The Quiz Master shall read the question twice. Participants can start jotting down important points at the end of the first reading. They shall only raise their board once the Quiz Master says "Raise your answer now". Protests/ clarifications shall be done before the next question is read. Only the participating teams can make a protest in a specific item.
5. The team who gets the highest number of points is automatically declared Champion; the second (2nd) highest scorer – 1st Runner-up; third (3rd) highest scorer – 2nd Runner-up; fourth highest scorer - 3rd Runner - up; and the fifth highest scorer - 4th Runner - up.
6. A Clincher Round shall take place in case there is a tie in any of the Top 3 spots. The team to get the first correct answer shall get the contested rank.
7. The board of judges shall be in complete control of the contest. Their decision shall be final in all questions/ protests and can no longer be appealed.



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Enclosure Number 4 to Regional Memorandum No. 22

REGIONAL TECHNICAL WORKING GROUP

A. Elementary Science Investigatory Project (ESIP)

Chairperson: Jim Boy P. Pasia

		Name	School	Division
Registration Committee (encoding of entries)	Chair	Jeanette Navarro	Matina CES	Davao City
	Members	Brylee A. Cadigal	TVFNHS	Davao City
		Gidelynn Lobino	Cabantian NHS	Davao City
Judges	Chair	Mervin Salmon	DepEd Davao Del Norte Division	Davao Del Norte
	Members	Julius Centina	DCNHS	Davao City
		Sherwin Fortugaliza	Davao City NHS	Davao City
	Timer	Honey Mae Galaura	AL Navarro NHS	Davao City
Judges	Chair	Jamaico Magayo	DCNHS	Davao City
	Members	Rolan Inis	SEPS	Tagum
		Rex Canete	T3	Panabo City NHS
	Timer	Natalie A. Albao	MT1	Davao City

B. Strategic Intervention Material (SIM) Competition

Chairperson: Cherry Ann D. Into, EdD

		Name	Position	School	Division
Registration Committee	Chair	Kent Francis Layagin	T3	Matina Central	Davao City
	Members	Retchelee Guillermo	T3	A.L. Navaro NHS	Davao City
		Sahlee G. Cortez	T2	Matanao NHS	Davao Del Sur
Judges (Grade 3)	Chair	Jennifer Munion	MT1	Mambago B NHS	IGACOS
	Members	Girle T. Manalo	MT1	Matiao NHS	Mati City
		Adelina B. Luzarito	MT1	Communal ES	Davao City
Judges (Grade 4)	Chair	Sheryl Tanguangco	M2	Sta. Cruz NHS	Davao Del Sur
	Members	Jennifer A. Emberador	MT1	Samal SHS	IGACOS
		Michelle Cadungog	MT2	Digos City NHS	Digos
Judges (Grade 5)	Chair	Mary Joy Furton	MT1	Jolencio R. Albertca ES	Digos
	Members	Jean Joan Senillo	T2	Bernardo Carpio NHS	Davao City
		Romel Villarubia	T3	Tagum City NHS	Tagum City
Judges (Grade 6)	Chair	Darlyn Lamentac	MT1	Magallanes Central	Davao City
	Members	Raul Villanueva	MT1	Nabunturan NHS	Com Val
		Dexter I. Caballes	T3	Tagum City NHS	Tagum City
Judges (Grade 7)	Chair	Yicy Balicoco	MT1	Sto. Nino NHS	COMVAL
	Members	Leny De Chavez	MT1	Matiao NHS	Mati City
		Lalaine Mortalla	MT1	Digos City NHS	Digos City
Judges (Grade 8)	Chair	Suzette A. Bermejo	T3	DRANHS	Davao City
	Members	Debbie Paglinawan	T3	DCNHS	Davao City
		Ronald Diaz	T3	Sta Cruz NHS	Davao Del Sur
Judges (Grade 9)	Chair	Jane Lee Pantinople	Dept. Head	Digos City NHS	Digos
	Members	Leny Fe T. Miguel	MT1	Davao City NHS	Davao City
		Analyn Dominguez	T3	Sta. Ana NHS	Davao City
Judges (Grade 10)	Chair	Emmanuel B. Clarion	SHS Asst. PII	Maragusan NHS	COM VAL
	Members	Lady Luvimin T. Basuel	MT2	Davao City NHS	Davao City
		Paulo Prudente	T2	DRANHS	Davao City
Judges (Grade 11)	Chair	Genevieve Pepito	MT2	DCNHS	Davao City
	Members	Rudilyn Garcesa	MT1	A. Carpio NHS	Davao City
		Reggy Ian Paring	T3	Panabo City NHS	Panabo City
Judges (Grade 12)	Chair	Joyce Unabia	MT2	DCNHS	Davao City
	Members	Diobeln Flores	MT1	Sto. Nino NHS	Davao Del Norte
		Renier John Cagurol	T3	Pablo Lorenzon NHS	Davao City



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C. Science Team Quiz Bee

Chairperson: Honey Lynne A. Boyles, EdD
Elementary Level Grades 4 to 6

		Name	Position	School	Division
Registration Committee	Chair	Kristine Osorio	T3	Magallanes ES	Davao City
	Members	Diana A. Lacia	T3	Buhangin Central ES	Davao City
		Jennylyn Baluyot	T2	Sta. Ana Central ES	Davao City
	Quiz Master	Rea P. Nalam	T3	Matina Central	Davao City
	Tabulator	Ma. Lorena A. Arana	T3	Callawa ES	Davao City
	Timer	Gene Carbon	T3	Sta. Ana CES	Davao City
	Proctors	Alma F. Rosalejos	T3	San Roque Central ES	Davao City
		Faith D. Magallen	T1	Nieves Villarica NHS	IGACO
		Lolix Lendio	T1	Busaon Integrated School	Tagum City
Judges	Chair	Judy Mae Umapoy	PII	Communal ES	Davao City
	Members	Magnolia B. Hermosisima	MT1	GSIS Heights	Davao City
		Maricar D. Cameguing	T3	T. Awad Echevarria ES	Davao

Junior High School Level Grades 7 to 10

		Name		School	Division
Registration Committee	Chair	Brady Nave	T3	Davao City NHS	Davao City
	Members	Florentino Manuel Jr.	T1	Tagum City NHS	Tagum City
		Norilyn Rollon	T1	Tagum City NHS	Tagum City
	Quiz Master	Rueter P. Diel	T1	Communal HS	Davao City
	Tabulator	Porferio Caronan	T3	Maa NHS	Davao City
	Timer	Ma. Jinky M. Catedral	T1	Binugao NHS	Davao City
	Proctor 1	Henry Haranay	T1	Tagum City NHS	Tagum City
	Proctor 2	Mimi Luayon	T1	Tagum City NHS	Tagum City
Judges	Chair	Kristine Hope D. Cagurol	MT2	Pablo Lorenzo NHS	Davao City
	Members	Jean Maria Derrayal	MT1	Tagum City NHS	Tagum City
		Gerry Papa	MT2	Dona Carmen Denia	Davao City

Senior High School Level Grades 11 to 12

		Name		School	Division
Registration Committee	Chair	Aylah May T. Loro	T1	Maa NHS	Davao City
	Members	Carleona M. Suazo	T1	Matan-ao	Davao Del Sur
		Jay Ar P. Ronda	T3	Matan-ao	Davao Del Sur
	Quiz Master	Edmar Adlawan	T3	AL Navarro NHS	Davao City
	Tabulator	Jill P. Semacio	T1	Cabantian	Davao City
	Timer	Vincent Catedral	T1	Binugao NHS	Davao City
	Proctor 1	Glory Jean Leop	T3	Tagum City NHS	Tagum City
	Proctor 2	Ronald Apao	T1	Tagum City NHS	Tagum City
Judges	Chair	Ivy F. Solano	MT1	Matanao NHS	Davao Del Sur
	Members	Napdeo Natad	T3	DRANHS	Davao City
		Noel G. Escobal	MT 2	Tagum City NHS	Tagum City

Secretariat:

Maricel N. Bernal	B. Carpio NHS	Davao City
Ritchie N. Liguid	Sto. Nino NHS	Com Val
Elmer D. Fernandez	Alehal NHS	Davao Del Norte
Cheene Pearl Gabica	San Juan ES	Davao City
Haidee M. Siason	Reg. Science HS	Mati City

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