



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



November 13, 2018

Division Memorandum
No. 1113 s. 2018

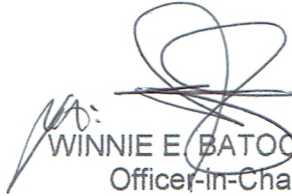
2018 Regional Science and Technology Fair (RSTF)

**For: CID Chief
Public Schools District Supervisors
School Principals
Digos City National High School
Senior High School in Digos City**

1. In reference to Regional Memorandum No. 211, s. 2018, dated November 13, 2018, the field is informed of the conduct of the 2018 Regional Science and Technology Fair (RSTF) on November 23-24, 2018 at the Malayan Colleges Mindanao, General Douglas MacArthur Highway, Davao City.
2. The RSTF aims to promote Science and Technology consciousness among the youth, and to identify the most creative/innovative and the best Science researchers who will represent the region in the Intel International Science and Engineering Fair (Intel ISEF) competition on February 18-22, 2019 at the Tagaytay International Convention Center (TICC), Tagaytay City.
3. Participants to the RSTF are the Division Education Program Supervisor in Science, the proponents/researchers and coaches/advisers for the top two winning Science Projects in the four (4) categories, both for individual and team sub-categories. Attached is the list of participants to the RSTF. Participants are advised to pre-register at <http://deped.in/ROXIRSTF2018>. Substitute shall not be allowed.
4. Relative to the said activity, all concerned participants are advised to observe the following schedules:

Activities	Date	Person-in-Charge
Submission of the top 2 Entries in each category	November 12-16, 2018	Indorsed to the Regional Office by the Schools Division Superintendent *Note: Participating schools are requested to submit their entries
Review of Entries	November 15-16, 2018	RSRC
Pre-judging of the approved project entries	November 19-22, 2018	BOJ
• Arrival of Participants • Orientation	November 23, 2018 (Morning)	RSRC Secretariat
• Preparation of Yells by SDO • On-the-Spot Poster Making by SDO • Putting-up of Exhibits/ Display Boards	November 23, 2018 (Afternoon)	RSRC
• Contest Proper and Final Judging of the Entries	November 24, 2018	• BOJ • RSRC • Secretariat

5. Food, board and lodging, travel and other incidental expenses of participants are chargeable against local funds/MOOE or other sources, all subject to the usual accounting and auditing rules and regulation.
6. Pursuant to the above mentioned Regional Memorandum, participants are entitled to service credits or compensatory time-off, whichever is applicable, for services rendered during Saturdays, Sundays and holidays per DepEd Order No. 53, s. 2004 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.
7. For information, guidance and compliance.


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

DepEd Schools Division of Digos City
RECORDS SECTION
RELEASED 22171
DATE: NOV 15 2018 TIME: 10:26
BY: fr

Encls: As stated
Reference: Regional Memorandum No. 211 s. 2018, dated November 13, 2018
To be indicated in the Perpetual Index under the following subjects:
CURRICULUM SCIENCE COMPETITION
lbj: 2018 regional science and technology fair (rstf)
13 November, 2018

List of Participants to the Regional Science and Technology Fair (RSTF)

Category	Project Title	Proponents	Coach
Life Science (Individual)	Pro- Apoptotic Analysis and Evaluation of Cytotoxicity of Hydroacetone and Crude Ectract from Golden Apple	John Mark Dacalos	Demrose Joy Parisan
	Powdered Dried Tobacco leaves against Coconut Scale Insect	Christian Preglo	Jean Hernan
Life Science (Team)	Bioassay Test of Raistonia solanacearum in Banana using Ivy Gourd	Prince Heart Bangay, Lizandro Adrian Durano Cedrick Jude sison	Miraluz Siase
	Duckweed plant extract against Ralstonia solanacearum bacteria causing Moko Bacterial wilt	Rouzhen Ydelle Alpanta, Patricia Mae Padillon, Nikki Grace Santillan	Janely Pantinople
Physical Science (Individual)	Electrostatic Precipitator as Air Filtration Device	Bien Rafael Magdamo	Marilou Diana
	Bioadsorbent Capacity of the Mixture of Banana peelings and Chicken Eggshells	Shayne Noelle Bangcailan	Jessie Balorio
Physical Science (Team)	Utilization of Domestic Biodegradable Waste in Electrochemical Cells	Jeddie Mhay Alimana, Sheila Hermina, Jenelle Mejorada	Jerome Delos Trajes
	Mechanical Pod Sleever for Cacao Industry	Jenaiza Cawaling, Mharlee Jan Obenza, Ella Arianne Lyn Poncardas	Maricel Manceras
Robotics and Intelligent Machines (Individual)	Air, Soil, Water Analyzer: A Telemetry-based Monitoring Device	Hannah Kate Cueva	Juner Gultiano
	Accident Monitoring System: Automatic Emergency Message Sender (AMS:AEMS)	Marlou Gil Raymundo	Sheena Mae Roxas
Robotics and Intelligent Machines (Team)	Autonomous Arduino Temp-based fish feeding system: a potential novelty utilizing SFF Algorithm	Jeanne Loise Pempeña, Allan Jev Torres,	Cyril Español
	Arduino Electricity Looting and Overloading Detection automated system	Estebmart Geyrozaga II, Fidel Panal Jr., Keen Aubrill Utida	Admiral Biongan
Science Innovation Expo (Individual)	Mechanical Garbage Segregator	Kia Encanto	Jean Hernan
Science Innovation Expo (Team)	PET (Polyethylene Terephthalate) bottle as near shore bouyant vest	John Kyl Cortez, Pius Francois Donaire, Martin Aesop Villa	Marilou Diana

Prepared by:


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221-9428; 227-8025; 222-2617; 227-0941; 221-1210; 221-8435

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DepEd Schools Division of Digos City

November 13, 2018 SECTION

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DATE: 13 NOV 2018 TIME: 12:00

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REGIONAL MEMORANDUM

No. 211 s. 2018

2018 REGIONAL SCIENCE AND TECHNOLOGY FAIR (RSTF)

TO : Schools Division Superintendents

1. In pursuance to the DepEd Memorandum No. 134, s. 2018 entitled "National Science and Technology Fair (NSTF) for School Year (SY) 2018-2019," this Office announces the conduct of the 2018 Regional Science and Technology Fair (RSTF) on November 23 – 24, 2018 at the Malayan Colleges Mindanao, General Douglas MacArthur Highway, Davao City.
2. The RSTF aims to promote Science and Technology consciousness among the youth and identify the most creative/innovative and the best Science researchers who will represent the region in the Intel International Science and Engineering Fair (Intel ISEF) competition on February 18 – 22, 2019 at the Tagaytay International Convention Center (TICC), Tagaytay City.
3. The official participants from each School Division Offices (SDOs) to the RSTF shall only be the first and second place winners (Individual and Team) in each of the different categories. All entries must have been approved by the Regional Scientific Review Committee (RSRC). There shall be a maximum number of 49 official delegates per SDOs to be pre-registered at <http://deped.in/ROXIRSTF2018>. Substitutes shall not be allowed. The description and maximum number of official participants are the following:

Description of Official Participants per SDO	Maximum Number of Participants
Life Science Category	8
Physical Science Category	8
Robotics and Intelligent Machines Category	8
National Science Innovation Expo	8
Adviser/Coach	16
Division Science Supervisor	1
TOTAL	49

4. Relative to the said activity, all concerned participants are advised to observe the following schedules:

Activities	Date	Person In-charge
Submission of the top two (2) entries per category and per division	November 12-16, 2018	• Endorsed to the Regional Office by the Schools Division Superintendent.
Review of entries per category	November 15-16, 2018	• RSRC
Pre-judging of the approved project entries	November 19-22, 2018	• BOJ

• Arrival of the Participants • RSTF Orientation	November 23, 2018 (Morning)	• RSRC • Secretariat
• Preparation of Yells per SDO • On-the-spot Poster-Making^b per SDO • Putting of Exhibits/Display Boards	November 23, 2018 (Afternoon)	• RSRC
Contest Proper Final Judging of the Entries	November 24, 2018	• BOJ • RSRC • Secretariat

^aNote: Failure to submit Project Entries on time shall be a ground for disqualification of the Division in the RSTF.

^bUse of one-half (1/2) Illustration Board; Oil Pastel as painting medium ONLY.

- Food, board and lodging, travel, and other incidental expenses of all the participants shall be charged against local funds/MOOE or other sources. Whereas, ONLY the board and lodging of the members of the RSRC and of the Board of Judges (BOJ) are chargeable against Regional HRTD Funds, all subject to the usual accounting and auditing rules and regulations.
- The subsidy to cover the payment for honoraria of the members of the BOJ relative to the conduct of the RSTF shall be charged to the Bureau of Curriculum Development (BCD) downloaded funds.
- Attached are the enclosures for reference on the conduct of the RSTF/NSTF competition and the composition of the members of the regional level SRC.
- 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.
- Immediate and wide dissemination of this Memorandum is earnestly desired.


ATTY. ALBERTO T. ESCOBARTE, CESO III
 Regional Director

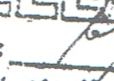
Encls.: As stated

Reference: DepEd Memorandum No. 134, s. 2018

To be indicated in the Perpetual Index:

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

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DEPARTMENT OF EDUCATION ROXI
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Republic of the Philippines
Department of Education

20 AUG 2018

DepEd MEMORANDUM
No. **134** s. 2018

NATIONAL SCIENCE AND TECHNOLOGY FAIR FOR SCHOOL YEAR 2018-2019

To: Undersecretaries
Assistant Secretaries
Bureau and Service Directors
Regional Directors
Schools Division Superintendents
Public and Private Elementary and Secondary School Heads
All Others Concerned

1. The Department of Education (DepEd), through the Bureau of Curriculum Development (BCD), announces the conduct of the **National Science and Technology Fair (NSTF) for School Year (SY) 2018-2019** from February 18 to 22, 2019 at the Tagaytay International Convention Center (TICC), Tagaytay City. The conduct of the school, division, and regional Science and Technology Fair (STF) levels shall be held on the following dates:

Level	Date
School	September 2018
Division	October 2018
Region	November 2018

2. The STF aims to:

- promote Science and Technology consciousness, and a culture of innovation among the youth; and
- identify the most creative and innovative student researchers from junior and senior high schools, who shall represent the country in the international Science research fairs.

3. The official participants from each region at the national level DepEd-BCD STF shall only be the Rank 1 Regional Winners in each of the different categories, whose entries have been approved by the national level Scientific Review Committee (SRC). Substitutes shall not be allowed. The description and maximum number of official participants are the following:

Maximum Number of Student Participants per Region = 16				
	Life Science Category	Physical Science Category	Robotics and Intelligent Machines Category	National Science Innovation Expo
Individual	1	1	1	1
Team	3	3	3	3

4. The number of other Official Party members are as follows:

Maximum Number of Other Official Party per Region = 7	
Regional Science Supervisor	1
Regional Math Supervisor	1
Research Advisers (Qualified Projects)	2
Observers • one observer for every 5 students (1:5) • one observer can only be a research adviser, or Math/Science Education Program Supervisors	3

5. The following documents are enclosed for information and guidance:

Enclosure No. 1	Guidelines on the National STF 2018–2019
Enclosure No. 2	Schematic Diagram on the Flow of STF Activities
Enclosure No. 3	2018–2019 Calendar of Important STF Activities and Requirements
Enclosure No. 4	Format of Research Paper
Enclosure No. 5	Format of Invention Report Paper
Enclosure No. 6	Checkpoints for SRC Review
Enclosure No. 7	SRC Review and Recommendation Report
Enclosure No. 8	Board of Judges (BOJ) Project Evaluation Form

6. Regional coordinators (RCs), division science and math supervisors, school heads, and participants are expected to download softcopies of the following documents from the corresponding links:

Document	Link
International Rules for Pre-college Science Research: Guidelines for Science and Engineering Fairs 2018–2019 and required forms	https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2019/Rules/Book.pdf
Summarized updated Intel International Science and Engineering Fair (ISEF) Rules	https://sspcdn.blob.core.windows.net/files/Documents/SEP/ISEF/2019/Rules/Rules-Overview.pdf

7. The registration fee for each participant is as follows:

Level	Participant	Registration Fee
Division	• Students with entries	P2,500
	• Research advisers	
Regional	• Supervisors in Science and Mathematics	P5,000

8. Registration fee shall be charged to local funds, subject to the usual accounting and auditing rules and regulations. This fee will cover prizes, board and lodging of the participants and their advisers, science and mathematics supervisors, and the materials needed to the conduct of the STF. The subsidy to cover the payment for honoraria of the members of the SRC and BOJ relative to the conduct of Regional STF shall be downloaded to the regions.

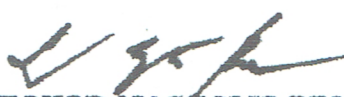
9. The travel expenses of participants in the national level STF shall be charged to local funds or other sources; whereas, the expenses of the BCD staff, board and lodging of official participants, materials, transportation and communication relative to the activities, prizes and cash awards, and honoraria of members of the SRC, BOJ, and external or non-DepEd resource persons shall be charged to the BCD Fund, subject to the usual accounting and auditing rules and regulations.

10. The RCs are requested to submit reports using the format provided in Enclosure No. 5 to the BCD, through email address nstf@deped.gov.ph, on or before **December 3, 2018**. Failure to submit the report and projects on time shall **disqualify** the region in the national fair.

11. All other activities relative to Science, Technology, Engineering and Mathematics (STEM) research projects, including those of the private associations, shall be harmonized with the activities of the NSTF from **February 18 to 22, 2019**. All students, including those from other special interests programs, are strongly encouraged to participate in the school level STF.

12. For more information, contact **Ms. Anna Liza M. Chan**, Senior Education Program Specialist, BCD-Curriculum Standards Development Division (CSDD), Department of Education (DepEd) Central Office, 3rd Floor Bonifacio Building, DepEd Complex, Meralco Avenue, Pasig City at telephone nos. (02) 632-7746 and (02) 635-9822, or email at nstf@deped.gov.ph.

13. Immediate dissemination of this Memorandum is desired.


LEONOR MAGTOLIS BRIONES
Secretary

Encls.:

As stated

Reference:

DepEd Memorandum No. 175, s. 2017

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

CELEBRATIONS AND FESTIVALS
CONTESTS
LEARNING AREA, SCIENCE
SCHOOLS
STUDENTS

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