August 28, 2019

DIVISION MEMORANDUM
No. 13A, s. 2019

2019 DIVISION SCIENCE AND TECHNOLOGY FAIR

TO: Chief Education Supervisors, CID and SGOD
Elementary and Secondary School Heads
Officers-in-Charge
Public and Private Schools

1. The field is hereby informed that the 2019 Division Science Fair and Technology shall be held on September 24-25, 2019 at Parang Elementary School Marikina City from 7:00 AM to 5:00 PM. This year’s theme: “Reinventing the Future: Advancing Communities through Science, Technology and Innovations”.

2. This fair is an opportunity for the students/pupils to showcase scientific skills of teachers and learners and to understand the practical application of Science in their daily lives. This is a competitive exhibition which aims to identify the most creative / innovative and the best science research and researcher who will represent in the Regional Science and Technology Fair (RSTF) 2019.

3. The following will be competed for both Elementary, Secondary and Senior High School:
   a. Science Investigatory Project (SIP)
   b. Strategic Intervention Material (SIM)
   c. On- the Spot Poster making
   d. SIP – Teacher Category (Elementary)
   e. Robotics for STEM – SHS
   f. On- the- Spot Instrumentation / Innovation/ Process Skills
   g. Kiddie - Science Investigatory Project

4. Write-ups for both the Science Investigatory Projects and the Strategic Intervention Materials are expected to be submitted in three (3) copies (both hard and soft copy) during the Division SRC on September 19, 2019 at SDO-Marikna, AVR, 8:00 AM – 4:00 PM.

5. Setting up of exhibits shall be on September 24, 2019, 1:00 PM at Parang Elementary School, Covered Court.

6. Enclosed are the guidelines for each category, the list of working committees and the schedule of activities.
7. School administrators and the Working Committees are expected to attend the Opening and Closing Ceremonies. Likewise, they are expected to extend their full support to their participants to help boost their interest in Science.

8. All related expenses of the pupils/students and teachers will be charged to school Canteen or other school fund.

9. Private schools are welcome to participate and observe all activities.

10. Members of the Working Committees are expected to attend the progress report meeting on September 24, 2019, 1:30 P.M. at Parang Elementary School.

11. Considering the enriching benefits that can be derived from this activity, the full support of all concerned is expected.

12. Immediate and wide dissemination of this Memorandum to all concerned is desired.

JOEL T. TORRECAMPO
Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent

Maka-Diyos, Makatao, Makakulikasan at Makabansa
MECHANICS OF THE CONTESTS

A. CRITERIA FOR JUDGING THE SCIENCE INVESTIGATORY PROJECT

Scientific Thought and Engineering Goals 30%
1. Scientific Thought
   a. brief and clear statement of the problem
   b. well defined procedure
2. Engineering Goals
   a. clear and relevant objective/s
   b. economically feasible solutions
3. Potential contributions/practical value

Creative, Resourcefulness and Inventiveness 30%
   a. creative, ability in presenting the problem / in the approach to solve the problem
   b. innovative design / new idea shown
   c. intelligence and imagination in finding ways / means to undertake the project

Thoroughness 15%
   a. familiarity with scientific literature in the relative field
   b. awareness of other approaches or theories
   c. appropriateness of methodology

Research Skill 15%
   a. use of laboratory equipment / innovative resources
   b. appropriate, orderly and effective presentation of data

Oral Presentation Skills 10%
   a. clear and thorough discussion of the project
   b. clarity and conciseness of explanation pertaining to important aspects of the research proposal
   c. presentation aided by AV materials
   d. over-all personality
      - self-confidence
      - enthusiasm
B. POSTER MAKING CONTEST
1. There will be two categories for the contest – Elementary and Secondary. For both categories each school is entitled to send their school contestant regardless of grade/year level.
2. Entries must be executed on a one-fourth (1/4) illustration board. Non-conformity with the prescribed size disqualifies entry.
3. Theme and time allotment shall be announced by the Chairman of the Board of Judges before the contest begins.
4. The criteria for judging are as follows:
   a. Imagination and creative thinking and expression - 40%
   b. Persistence and Research (In relation to theme) - 15%
   c. Technical Skill - 15%
   d. Understanding of Fundamentals of Design - 20%
   e. Awareness of cultural/historical social context - 10%
   100%

C. STRATEGIC INTERVENTION MATERIAL (SIM) 100%
1. Each school is entitled to enter two SIM per grade/year level.
2. Criteria for Judging are as follows:
   a. Subtasking 10%
      - Competency-based
      - Bloom’s Taxonomy followed
      - SMAR-C
   b. Congruence 30%
      - Activities in line with content and skills
      - Assessment in line with content and skills
   c. Usability/Functionality 25%
      - Language
      - Title Card
      - Guide Card
      - Activity Card
      - Assessment Card
      - Enrichment Card
      - Reference Card
      - Answer Card
      - Packaging
d. Replicability  
   - Validated before classroom use  
   - Developed materials based on least Mastered skills  
   - Materials improved mastery level  
   - Handy and easy to copy  
   - Cost  

  e. Presentation  
  
  100%  

C. KIDDIE SIP

1. Creative ability  
   (investigation, data approach)  
   40%  

2. Scientific Thought  
   (design, variables, controls, conclusion)  
   20%  

3. Thoroughness  
   (coverage, awareness)  
   20%  

4. Clarity  
   20%  
   100%
# Executive Committee

**Joel T. Torrecampo**  
Officer-In-Charge  
*Office of Schools Division Superintendent*  
Eliza O. Cerveza Ed. D.  
*Chief, Curriculum Implementation Division*  
Elizalde Q. Cena Ed. D.  
*Chief, School Governance Operations Division*

# Technical Working Committee

**Over All Chairman:** Jessica S. Mateo  
Education Program Supervisor  
**Co-Chairman:** Emily G. Santos  
Public School District Supervisor  
**Members:** School Science Coordinators and Department Heads

<table>
<thead>
<tr>
<th>Committees</th>
<th>Elementary</th>
<th>Highschool</th>
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</thead>
</table>
| Registration | Ms. Cristina Pino (NES)  
Ms. Maynardita Timpac (SRES) | Ms. Catherine C. Balanga (NHS)  
Mr. Rodolfo Balag (SRHS) |
| Accommodation| Ms. Elsie T. Tahum (PES)  
Ms. Olive Estanislao (PES) | Ms. Edna Francisco (PHS)  
Mr. Alexander Malones (PHS) |
| Program      | Mr. Rommel Garil (CES)  
Ms. Bella Basijan (CIS) | Ms. Jingle B. De Guzman (THS)  
Ms. Maritess A. Del Valle (CIS-SL) |
| Certificates | Ms. Amelia Santiago (SNES)  
Ms. Sol Magricia (HBES)  
Ms. Manilyn Jimenez (KES) | Ms. Loida Calata (BNH)  
Ms. Cecilia A. Dimayuga (KNHS)  
Ms. Jenalyn Salonga (FHS) |
| Documentation| Ms. Ma. Rosario Ocampo (BES)  
Mr. Cherwin Sandow (IVES)  
Ms. Aurora Papa (MLES)  
Ms. Maria Imelda Milagrosa Gregorio (FES)  
Ms. Vilma Camba (LVES) | Ms. Salvacion J. Adona (JDPHS)  
Ms. Aurora Lazaro (SEHS)  
Ms. Jocelle V. Vistal (SNNHS)  
Ms. Mary Ann N. Taway (MARISCI)  
Ms. Josefina Manuel (MHHS) |
| Judge        | Ms. Bernadette L. Andres (BES)  
Ms. Marilyn Cortez (FES)  
Ms. Sherry Ann Doldol (MES) | Mr. Robert Gaviola (MHS)  
Ms. Jacqueline L. Tabojarra (MHS)  
Mr. Vandon Borela (PHS) |
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<tr>
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<th>Highschool</th>
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| **Food**   | Mrs. Lorna Mison (SMES)  
Ms. Maricel Narag (SSSVES) | Mr. Dominic E. Hungco (MNHS)  
Ms. Noreen Mabaggu  
Ms. Daisy B. Revilla |
| **Secretariat** | Ms. Sherrylyn Bayaton- SIM (KMES)  
Ms. Helen Taquiban (SNES)  
Ms. Aurora Papa (MaLES) | Ms. Keith Angeline N. Alejandro (FHS)  
Mr. Nicoflor Rodriguez (SNNHS)  
Ms. Jennylyn Salonga (FHS) |
| **SRC** | Ms. Sol Magracion- AM  
Ms. Sherry Ann Doldol- AM  
Ms. Bernadette Andres- PM  
Mr. Cherwin Sandow- PM  
Ms. Maynardita Timpac- PM  
Mr. Rommel Garil- PM | Mr. Alexander Malones- PM  
Mr. Robert Gaviola- AM  
Mr. Mark Anthony Casimiro-AM  
Ms. Alma Castaño-PM  
Ms. Mary Ann Taway-PM |

### IN-CHARGE OF CONTEST IMPLEMENTATION

<table>
<thead>
<tr>
<th>EVENTS</th>
<th><strong>KIDDIE</strong></th>
<th>Secondary / SRC</th>
<th>Elementary</th>
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</table>
| A. Science Investigatory Project (SIP) | Norma Velasquez  
Wilfredo B. Osita | Alma Castano  
Josefina Manuel | Dinnes Masubay  
Viirma Camba |
| B. Strategic Intervention Material (SIM) | Rodulfo Balag  
Roberto Gaviola | Sol Magracion  
Bernadette Andres | |
| C. Sci-Art | Catherine Balanga  
Jingie B. de Guzman | Clodee Bagcal  
Cristina Pino | |
| D. Instrumentation / Innovation of materials | Mark Anthony  
Casimiro  
Mary Ann Taway | | Sol Magracion |
| E. SIP- Teacher Category | Alexander Malones  
Marites A. del Valle | | Sally T. Orbe |
| F. Robotics | Aurora Lazaro  
Jenalyn Salonga | Mary Grace P.  
Bernadas | |
| G. Quiz Bee | Salvacion Adona  
Ronald Escorpiso | Mary Mae Santiago  
Flordeliza A. Magallanes | |
### SCHEDULE OF ACTIVITIES

**SIP/ SIM Division Submission and SRC**

September 18, 2019 - Registration of participants per school (soft copy send to Secretariat)
September 19, 2019 - SIP/SIM Division Submission and SRC Evaluation
September 20, 2019 - Checking of SIP/SIM (PNU Judges and EPS/PSDS)

<table>
<thead>
<tr>
<th>DATE</th>
<th>TIME</th>
<th>EVENT</th>
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<tbody>
<tr>
<td>September 24, 2019</td>
<td>1:00 pm onwards</td>
<td>Poster making Contest Setting-Up of Exhibits</td>
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<td>1:30 pm</td>
<td>Progress Committee Meeting (All Coordinators/ Dept. Heads)</td>
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<tr>
<td>September 25, 2019</td>
<td>7:00 am - 7:30 am</td>
<td>Registration</td>
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<td>7:30 am - 8:30 am</td>
<td>Opening Ceremonies</td>
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<td></td>
<td>8:30 am - onwards</td>
<td>SIP/Sim Intervention/ Process Skills</td>
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<td></td>
<td>1:00 pm - 3:00 pm</td>
<td>SIP/SIM Congress- Teacher Category</td>
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<td></td>
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<td>SIP Congress- Student Category</td>
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<tr>
<td></td>
<td>4:00 pm - onwards</td>
<td>Closing/ Awarding Ceremonies</td>
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