DIVISION MEMORANDUM

No. 221 s. 2018

2nd DIVISION SCIENCE OLYMPICS

To: Public Schools District Supervisors
Elementary School Heads
Secondary School Heads

1. This is to announce the conduct of the 2nd Division Science Olympics on November 8-9, 2018 at Bato Rural Development High School to start at 8:00 AM.

2. The Division Science Olympics shall showcase scientific skills developed by pupils and students through presentation of science magic/tricks and display of science talent and content mastery during the competition. The first place winner/s in each category will represent the Division in the upcoming Regional Science Olympics on November 21, 2018 (Elementary) and November 22, 2018 (Junior High School and Senior High School) at a venue to be announced later.

3. The following are the allotted number of participants per category for each school/district.

<table>
<thead>
<tr>
<th>Grade Level</th>
<th>Science Kid</th>
<th>Smart</th>
<th>Super Quiz Bee</th>
<th>Science Show and Tricks</th>
<th>Magic Tricks</th>
<th>On-the-Spot STEM Challenge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Entries</td>
<td>No. of Participants</td>
<td>No. of Entries</td>
<td>No. of Participants</td>
<td>No. of Entries</td>
<td>No. of Participants</td>
</tr>
<tr>
<td>Kinder – Grade 3</td>
<td>1</td>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Per district)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grade 4-6 (Per District)</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Junior High School (Per School)</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Senior High School (Per School offering STEM)</td>
<td>1</td>
<td>3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Note: Only one (1) coach is allowed per entry.

4. Contest Mechanics and working committees are found in Enclosures 1 and 2.

5. A district elimination will be done for Smart Kid and Super Quiz Bee on October 31, 2018 at their respective districts. Contest material for the quiz bee will be provided by the Division office. Only the first place winners in the district will compete in the Division Level while Virac Pilot ES-SSSES and JMAMES SPED-GT will automatically compete in the Division Level.
6. A planning conference of the working committees will be held on September 29, 2018 at CID Office at 8 AM. Since the activity falls on a Saturday, a one (1) day service credit will be granted to the teacher pursuant to the provisions of DepEd Order No. 19 s. 2011 and Deped Order No. 53, s. 2003.

7. No registration fee shall be collected. Travel and other incidental expenses of the participants shall be charged against local funds subject to the usual accounting and auditing rules and regulations.

8. For immediate dissemination and compliance.

[Signature]
SOCORRO V. DELA ROSA, CESO VI
Schools Division Superintendent
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Chairs</th>
<th>Co-Chairs</th>
<th>Members</th>
</tr>
</thead>
</table>
| 1:00 PM – 3:00 PM | Closing Program/Awarding | Mari Ann Manguerra  
Judy Marie Barro  
Mark Jay Abejo  
Jecelyn Cabrera  
Edna Marquez  
Maria Triumfante  
Rociel Vargas  
Josie Austero | | |
| Program and Invitation | Chairman: John Dewey Chavez  
Co-Chairman: Glonida Marquez  
Members: Rowena Zuniega  
Juliet Padilla  
Rebecca Oliquino  
Sonia P. Bernal | | |
| Registration/Attendance | Chairman: Beth Bernal  
Co-Chairman: Ana Liza Sorredo  
Members: Marjorie Arcilla  
Lydia Baldwinero  
Merly Ogalinola  
Janice Rojas | | |
| Certificates/Awards/Tokens | Chairman: Mari Ann Manguerra  
Co-Chairman: Judy Marie Barro  
Members: Mark Jay Abejo  
Jecelyn Cabrera  
Edna Marquez  
Maria Triumfante  
Rociel Vargas  
Josie Austero | | |
| Documentation | Chairman: Mia. Lorylyn Reyes  
Co-Chairman: Shianne Rubio  
Members: Bianquita Geronimo  
Mary Ann T. Tito  
Lea Vargas  
Elizabeth Tating  
Kathiene Mae Trinidad | | |
| Stage and Hall Preparation | Chairman: Garry Posada  
Co-Chairman: Emma Marin  
Members: Joshua Gordon  
Israel Gurrobat  
Jorge Victor Sales  
Helen Dixon  
Anotonette Carranza  
Marissa Sualibio  
Rowena Able | | |
# 2nd Division Science Olympics
November 8-9, 2018
Bato Rural Development High School

## Contest Schedule

<table>
<thead>
<tr>
<th>Time</th>
<th>Activities</th>
<th>In-charge</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DAY 1 November 8, 2018</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7:30 AM – 8:00 AM</td>
<td>Registration</td>
<td>Beth Bernal, Ana Liza Sorreda, Marjorie Arcilla, Lydia Baldomero, Merly Ogalinola, Janice Rojas</td>
</tr>
<tr>
<td>8:00 AM – 8:30 AM</td>
<td>Opening Program</td>
<td>John Dewey Chavez, Glorida Marquez, Rowena Zuniega, Juliet Padilla, Rebecca Oliquino, Sonia P. Bernal</td>
</tr>
<tr>
<td>9:00 AM – 12:00 PM</td>
<td>SMART KID Competition (K to Grade 3)</td>
<td>Mari Ann Manguerra, Ma. Lorylyn Reyes, Mark Jay Abejo, Jecelyn Cabrera, Rociel Vargas, Josie Austerio, Mary Ann T. Tito, Rowena Zuniega</td>
</tr>
<tr>
<td>1:00 PM – 5:00 PM</td>
<td>Super Quiz BEE (Grade 4-6)</td>
<td>Garry Posada, Blanquita Geronimo, Kathiene Mae Trinidad, Beth Bernal, Marjorie Arcilla, Lydia Baldomero, Josie Austerio, John Dewey Chavez, Juliet Padilla, Joshua Gordon</td>
</tr>
<tr>
<td></td>
<td>On-the-Spot STEM Challenge (Senior High School)</td>
<td>Glorida Marquez, Rebecca Oliquino, Sonia P. Bernal, Ana Liza Sorreda, Merly Ogalinola, Janice Rojas</td>
</tr>
<tr>
<td><strong>DAY 2 November 9, 2018</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8:00 AM – 12:00 PM</td>
<td>Science Magic Show</td>
<td>Judy Marie Barro, Edna Marquez, Maria Triunfante, Emma Marin, Marissa Sualibio, Rowena Able, Shianne Rubio, Lea Vargas, Elizabeth Tating, Kathiene Mae Trinidad</td>
</tr>
</tbody>
</table>
SCIENCE SMART KID (K-3) MECHANICS

1. Contestant should come from any public or private elementary school belonging to K-3 grade level.

2. Each kid contestant shall present a science talent for three to five (3-5) minutes and must be able to demonstrate exceptional brilliance/alertness/intelligence during the judge’s interview and Q&A part.

3. Props are allowed but no props-men/back-ups will be permitted during the actual presentation.

4. The decision of the Board of Judges is final and irrevocable.

CRITERIA FOR JUDGING

<table>
<thead>
<tr>
<th>Category</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Science talent</td>
<td>50%</td>
</tr>
<tr>
<td>Interview with Q&amp;A</td>
<td>40%</td>
</tr>
<tr>
<td>Over-Impact</td>
<td>10%</td>
</tr>
<tr>
<td>TOTAL</td>
<td>100%</td>
</tr>
</tbody>
</table>

SUPER QUIZ BEE (GRADE 4-6) MECHANICS

1. All competing teams shall come from the public/private elementary schools (grades 4-6) of the Division of Catanduanes.

2. Each team is composed of 1 grade 4, 1 grade 5 and 1 grade 6.

3. This contest shall be conducted in a quiz show format.

4. There shall be ten (10) easy questions, five (5) average questions and five (5) difficult questions. All contestants shall answer all questions in the 3 rounds. Clincher questions shall be given in case of a tie.

5. Each correct answer in every round will be given corresponding points, to wit:

<table>
<thead>
<tr>
<th>Level</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy</td>
<td>1 point</td>
</tr>
<tr>
<td>Average</td>
<td>2 points</td>
</tr>
<tr>
<td>Difficult</td>
<td>3 points</td>
</tr>
</tbody>
</table>
6. Each team will be provided with pieces of paper that will serve as answer sheets.

7. Each question must be answered within the time allocated for it. Ten (10) seconds for non-computational and thirty (30) seconds for computational.

8. The quizmaster shall read each question twice and the time shall start only after the quiz master says “GO”.

9. The team must write their final answer on the pieces of paper provided. If a team wishes to change their answer, cross it out then write the final answer and encircle it.

10. Answers must be spelled correctly, proper nouns capitalized, correct number of significant figures called for in case of numerical answers and with correct unit of measure. Use of calculator, cellular phone or any computing devices is not allowed.

11. After the time allocation had elapsed, the proctors will be collecting the answer sheets and give it to the board of judges for validation, checking and acknowledgement whether the answer of each contestant is correct or not. The quiz master will announce the correct answer and the board of judges will announce the teams who got the correct answer.

12. The duly registered coach of each team is the only person authorized to file a protest. All protests shall be referred to the Board of Judges before the quizmaster reads the next question.

13. The decision of the board of judges is final and unappealable.

14. The decision of the board of judges is final and appealable.

15. The total score of each team shall be determined after the three rounds.

16. The team with the highest final score shall be declared the first-place winner. In case of a tie, a clincher round shall be conducted. It shall be a knockout system between and among the teams with equal scores until a winner emerges.

17. Any violation of any rules shall cause the disqualification of the team.
SCIENCE MAGIC SHOW (JHS) MECHANICS

1. All competing teams shall come from public/private junior high school (grade 7-10). They will be responsible for the needed materials to be used during the presentation.

2. Each team shall be composed of three (3) students who can come up with an eight to ten (7-8) minute magic/trick presentation covering any of the following subjects:

   - General Science
   - Biology
   - Chemistry
   - Physics
   - Earth Science

   Brief explanation of related concepts/science principles demonstrated and time for the entrance and exit is included in the 8 minute presentation.

3. A deduction of 2 points from the total score obtained by the team for every minute extension will be strictly be enforced.

4. The decision of the Board of Judges is final and irrevocable.

CRITERIA FOR JUDGING

<table>
<thead>
<tr>
<th>Criteria</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Content of presentation (Relevance of magic/trick presentation to any concept in Science)</td>
<td>30%</td>
</tr>
<tr>
<td>Teamwork and Workmanship</td>
<td>25%</td>
</tr>
<tr>
<td>Creativity</td>
<td>20%</td>
</tr>
<tr>
<td>Clarity and Seamlessness of Presentation</td>
<td>25%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>
1. All competing teams shall come from public/private Senior High School (Grade 11-12) of the Division of Catanduanes.

2. Each shall be composed of three (3) members from STEM classes of Grades 11 and 12. They should bring their own laptop and extension cord.

3. For one and half (1 ½) hours, the contestants will construct an improvised science device using the materials provided by the contest committee and come up with a brief presentation using the format provided below:

   a. Name of device
   b. Rationale
   c. Materials and Methods
   d. Descriptive Presentation (Use of the Device)

   Prepared presentations shall be collected by the contest committee after the allotted time. Each team is given 5 to 7 minutes to present their output.

4. They will be judged using the following criteria:

**Construction**
- Functionality         - 20%
- Creativity            - 20%
- Craftsmanship         - 20%
- Use of Science Principle - 20%

**Presentation**
- Clarity and Organization - 10%
- Teamwork               - 5%
- Communication Skill    - 5%

**TOTAL**                  - 100%