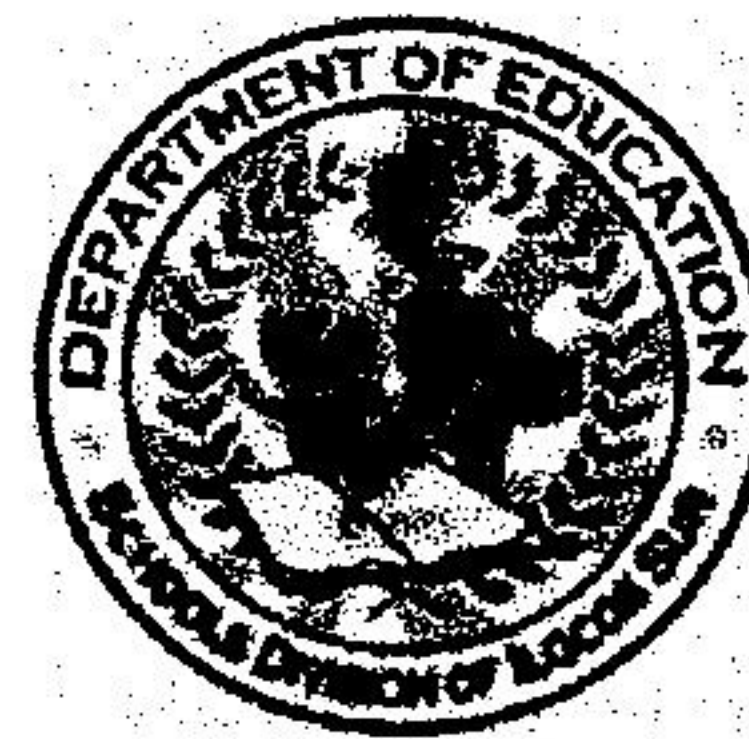




Republic of the Philippines  
Department of Education  
Region I  
**SCHOOLS DIVISION OF ILOCOS SUR**  
Bantay, Ilocos Sur



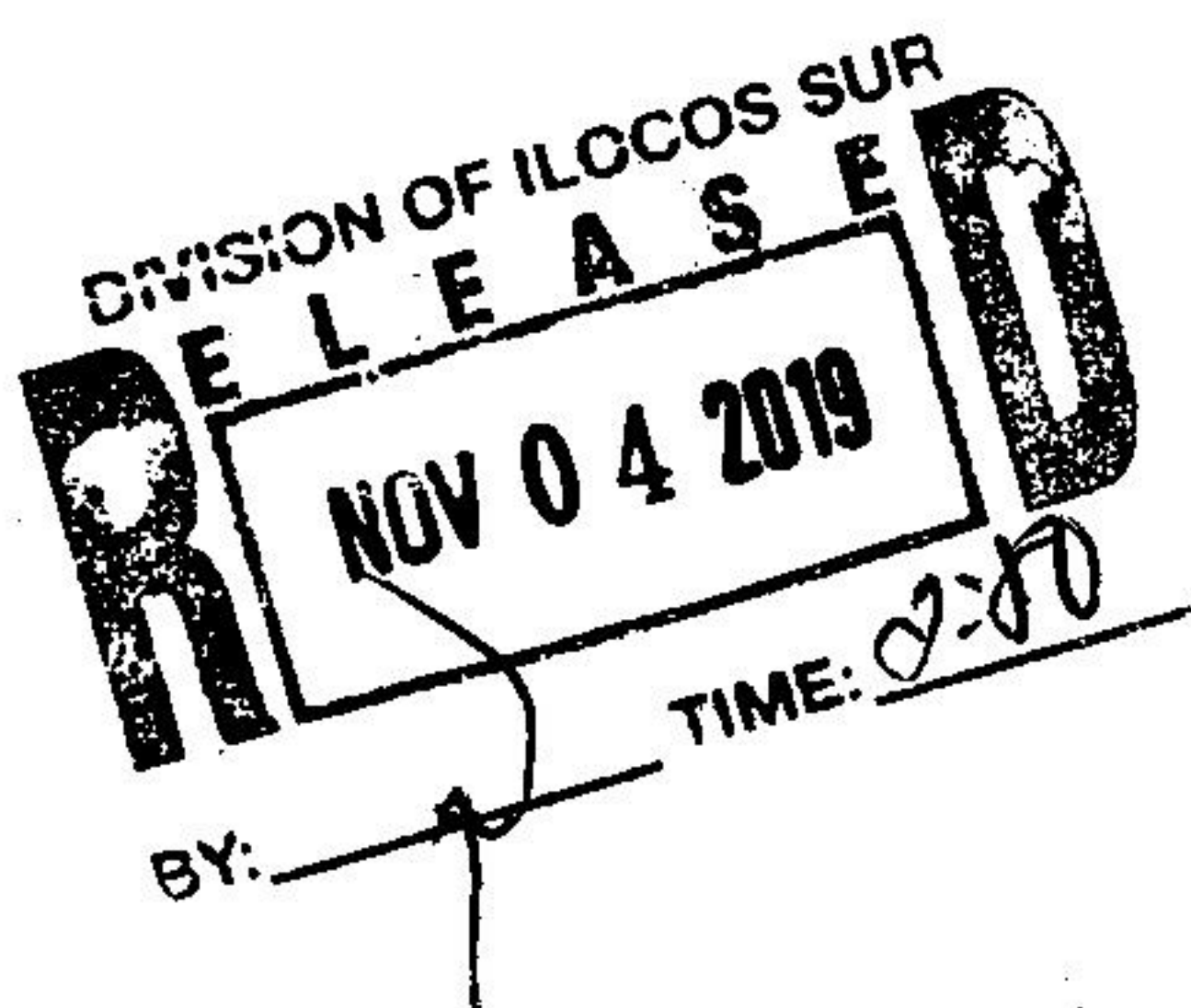
October 30, 2019

**DIVISION MEMORANDUM**  
**No. 416, s. 2019**

**DIVISION ON-THE-SPOT SCIENCE COMPETITION**

**To: Public Schools District Supervisors**  
**Public Secondary School Heads**  
**Private Secondary School Heads**  
**Concerned School Heads and Teachers**

1. The Department of Education, Schools Division of Ilocos Sur will conduct **DIVISION ON-THE-SPOT SCIENCE COMPETITION** at San Vicente Integrated School, Poblacion, San Vicente, Ilocos Sur on **November 19, 2019**.
2. The objectives of this competition are as follows:
  - a. Enables learners to apply science and mathematics thinking skills to solve problems that have local, national and global impact;
  - b. Allows the contestants to become problem solvers by addressing social, scientific and environmental issues through the application of 21<sup>st</sup> century skills;
  - c. To provide for avenue of intellectual and social interactions among participants.
3. This Science Competition is **On the S.P.P.O.T. (Science Processes and Practices On-Site Contest)**. There shall be two (2) participants from Junior to Senior High School enrolled in public, private schools and ALS.
4. Official delegates also include the JHS and SHS Science coordinators, contestants, coaches, school heads, facilitators, judges, committee members and technical working group.
5. Administrative remedies shall be undertaken to the classes left behind by the teacher-participants.
6. Expenses incidental to the attendance on the said activity shall be charged against local/ MOOE and other sources of funds available in the school subject to the usual accounting and auditing rules and regulation.
7. The top 1 winner will represent our Division in the 2019 Regional Festival of Talents particularly contest on **ON-THE-SPOT SCIENCE COMPETITION**.
8. Enclosed are the guidelines on the contested activity, program of activities, board of judges, officiating officials, facilitators and working committees.
9. Immediate dissemination of this memorandum to all concerned is enjoined.



**JORGE M. REINANTE, CSEE, CEO VI, CESO V**  
Schools Division Superintendent

To be included in the perpetual index  
under the following subject:

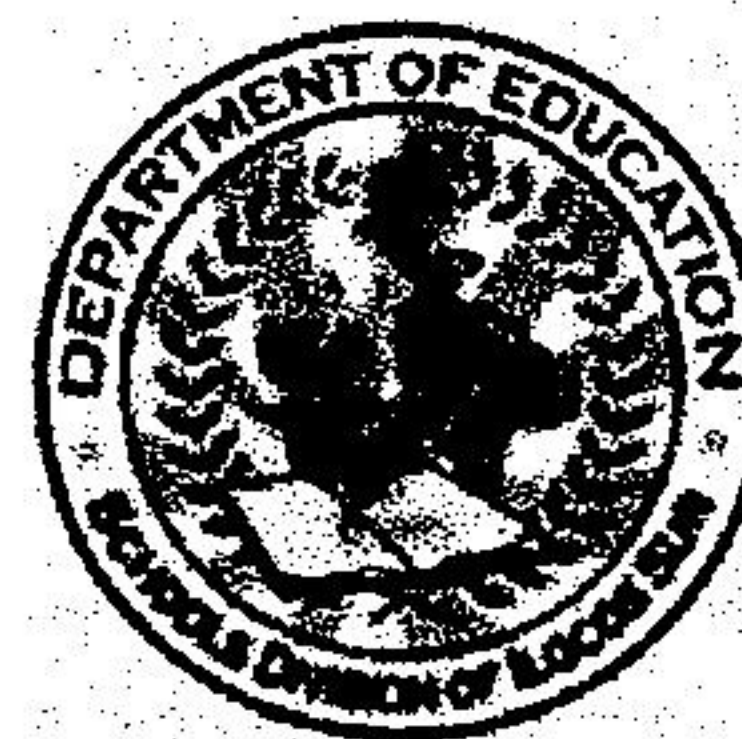
SCIENCE      DIVISION FESTIVAL OF TALENTS IN SCIENCE







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**Enclosure No. 1 to Division Memorandum No. 416, s.2019**

**GUIDELINES: On the S.P.P.O.T. (Science Processes and Practices On-Site Contest)**  
**DIVISION ON-THE-SPOT SCIENCE COMPETITION**

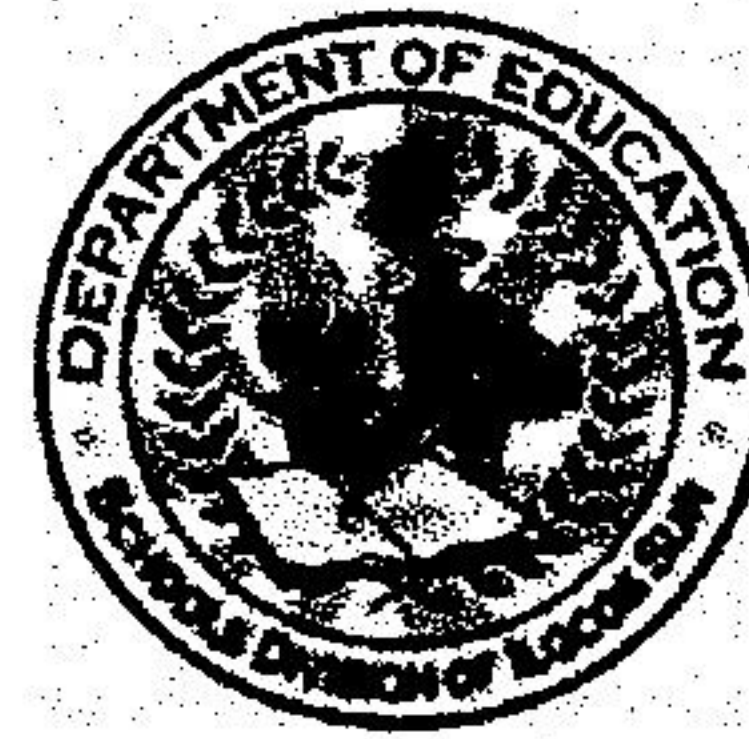
COMPONENT AREA	Science, Technology and Mathematics	
GRADE LEVEL	Junior to Senior High School enrolled in Public, Private schools and ALS	
EVENT PACKAGE	On the S.P.P.O.T. (Science Processes and Practices On-Site Test)	
NO. OF CONTESTANTS	Two (2)	
TIME ALLOTMENT	Six (6) Hours	
DESCRIPTION	The competition enables learners to apply science and mathematics thinking skills to solve problems that have local, national and global impact. It allows the contestants to become problem solvers by addressing social, scientific and environmental issues through the application of 21 <sup>st</sup> century skills.	
CRITERIA FOR ASSESSMENT	<b>Criteria (Part I)</b>	<b>Percentage</b>
	Discussion/ Arguments (based on scientific, technological and other valid assumptions, Feasibility of the proposed solution)	60%
	Clarity of Presentation (ability to effectively communicate solutions)	30%
	Evidence of effective collaboration	<u>10%</u>
	<b>TOTAL</b>	<b>100%</b>
	<b>Criteria (Part II)</b>	<b>Percentage</b>
	Organization/Discussion/Arguments (based on scientific, technological and other valid assumptions, Feasibility of the proposed solution)	50%
	Relevance of data used	20%
	Clarity of Presentation	
	• Written	15%
• Oral	10%	
Evidence of effective collaboration	<u>5%</u>	
<b>TOTAL</b>	<b>100%</b>	
<b>CONTEST MECHANICS</b>		
General Guidelines		
<b>PART I – One-Minute Presentation</b>		
1. The first part of the contest is the One-Minute Presentation of the project proposal where the teams shall develop and present their proposal to the panel of judges of their solution about a real-world problem/ scenario of local or global importance. The situation containing the problem shall be given on-site on the day of competition.		







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### CONTEST MECHANICS

#### General Guidelines

#### **PART I – One-Minute Presentation**

2. The contestants are given 2 hours to conceptualize and prepare their slides for presentation. All presentations shall not bear any markings that identify their regions. The contestants may use the internet and other printed resources in developing their presentation, however the teams are not allowed to confer with their coaches while the contest is on-going.
3. Any form of communication between the contestants and other parties (coach, parents, classmates, teachers, etc.) shall warrant automatic disqualification.
4. The presentations may consist of the following:
  - a. Detail key features of the proposed solution.
  - b. Challenges to resolve in order to effectively implement the proposed solution.
  - c. Proposed solution maybe similar or different from existing practices, technologies and solutions. If so, the presentation shall include on how the proposed solution would build up from the existing practices, technology and solutions.
5. At the end of two hours, all presentations shall be submitted to the assigned facilitators.
6. During the presentation, each team shall be given one minute to present. The time shall start as the contestants start to speak.
7. Draw lots shall be done to determine the order of presentation. While one team is presenting, all the other teams shall be at the holding room.
8. A timer board shall show the public as well as the contestants the time remaining for their presentation.
9. a buzzer shall signal that the time for presentation is up and the contestants shall immediately stop presenting. At the end of one minute, the mic of the contestants shall be turned off and advised to stop the presentation.
10. After the deliberation of the members of the panel of judges, the top eight teams shall be determined and announced to the public. The top eight teams shall move to the final round. The finalists shall not be allowed to leave the contest venue during the break. They can take their meals and snacks in the contest venue.







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### CONTEST MECHANICS

#### General Guidelines

#### **PART II – Developing the Proposed Solution**

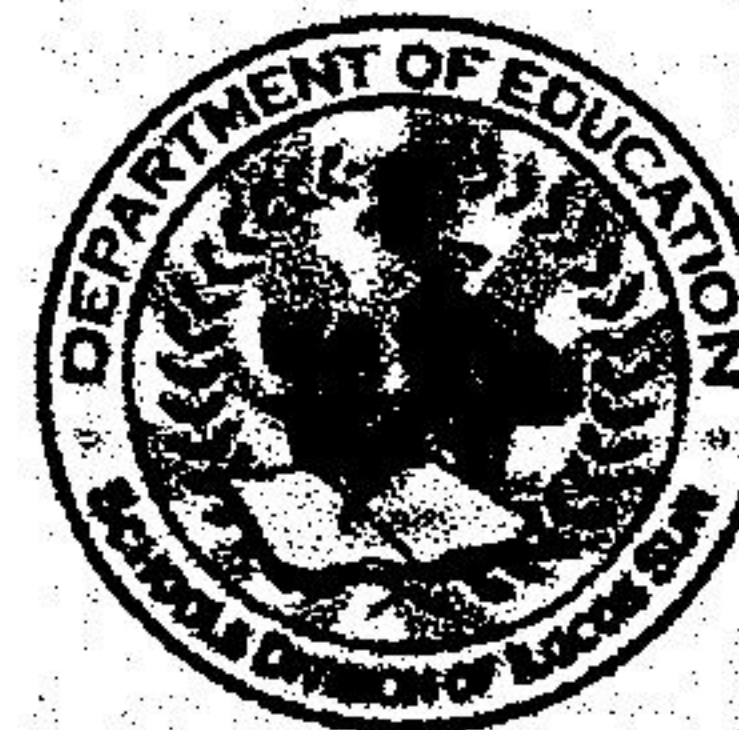
11. The Final round of the competition shall include developing the written description of the proposed solution and the oral presentation. Similar to part I, the teams are allowed to use internet and other print resources. There shall also be no markings that will identify the regions of the contestants. They shall develop and print their proposals within 4 hours. The scores in the preliminary round shall have no bearing in the final round.
12. The proposed solution shall have the following components:
  - a. Title
  - b. Summary (100-200 words)
  - c. Background and Problem (200-300 words)
    - Describe the challenges and how the proposed solution address the problem presented.
    - Scientific Principles and Technology applicable to the resolution of the problem.
    - Beneficiaries
  - d. Proposed Solution
    - Methods/ Details of the proposed solution including the Cost-Analysis
    - Include illustrations, figures and charts.
  - e. References
    - May use any format as long as consistency is observed.
13. The teams shall encode their proposals in word processing software, double spaced using Bookman Old style font size twelve set in A4 size paper. Margins shall be 1 inch in all sides of the paper. Within the 4 hours, the teams shall submit their printed proposals (three copies) to the panel of judges.
14. The proposals shall be subjected to a plagiarism check. Any proposals which exceed 15% similarity index (uncited) shall be deducted 2 points from the total score for every percent in excess. However, cited references shall be excluded from the 15% tolerance.
15. There shall be an oral presentations limited to 3 minutes for each team without the use of slide decks. During the presentations, the team shall not identify themselves and the regions they are representing. Questions may be asked by the judges after each presentation. There shall be another drawing of lots to determine the order of presentation.







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I. Resource Requirements			
	Contestants	Host School/ Venue	Host Division/ Region
Attire	NFOT T-shirt or Plain White Shirt (Finalized on the day before the competition)		
Tools and Equipment	Computer/ Laptop/ Notebook/ Printer, books and other printed resources, pocket Wi-Fi, extension cords.	Timer, 2 multimedia projectors, fast internet connection, Sound System, Adequate electrical outlets	Plagiarism checker
Physical Facilities		Hall with stage, one holding room	
Others		2 reams Bond paper A4	Utility expenses

**Overall In-charge of all Contested Activities**

**Dr. Maria Teresita R. Gapate – EPS in-charge of Science**

**Mr. Samuel Gomez – President, JHS Science**

**Dr. Glenn Guira – President, SHS Science**

**FACILITATORS**

HOLDING AREAS (2 ROOMS)		PRACTICE AREA (1 ROOM)	PRESENTATION AREA (1 ROOM)
Nick Udani	Valmike Cabiles	Maribel Bagaoisan	Marjorie Romias
Gavin Ladiocan	Jocelyn Bayuga	Michelle Casiano	Golda Alquiza
Regie Querubin	Regine Padaong	Arnel Peralta	Lucina Robinol
Alvin Tabula	Michelle Peralta	Imelda Gironella	Gilbert Ferino
Jerielyn Masangkay	Helen Oreiro	Jeffrey Vilog	Revelyn Raguindin
Geronima Pilién	Catalina Custodia	Ryan Tobias	Raffy Alveza
	Jack Kevin Bautista		Benedict Bautista







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### COMMITTEES

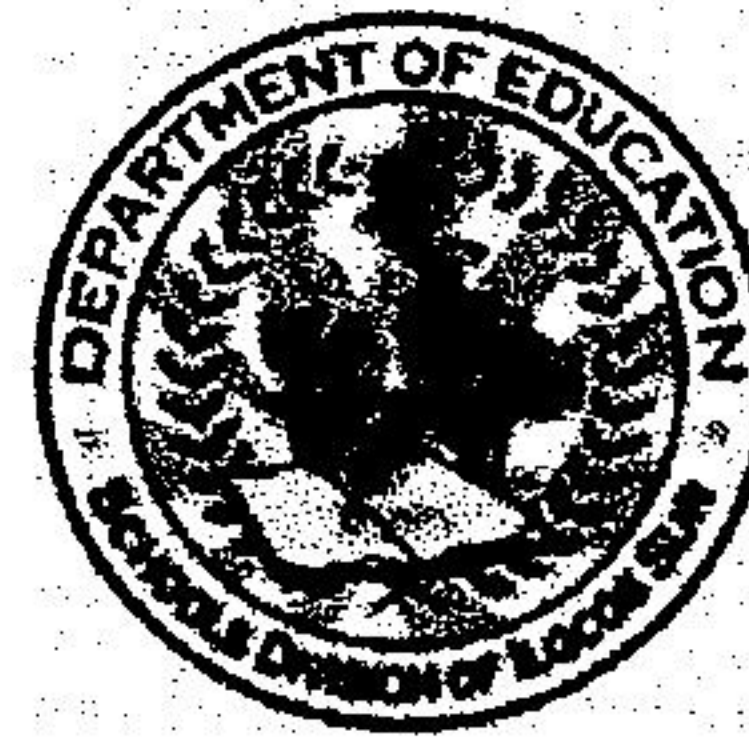
<b>PROGRAM &amp; INVITATION</b>	<b>MEDALS &amp; CERTIFICATES</b>	<b>JUDGING SHEETS &amp; CONTESTANT NUMBERS</b>
Samuel Gomez Glenn Guira	Lucina Robinol Revelyn Raguindin Maribel Bagaoisan Raffy Alveza	Benedict Bautista Gilbert Perino
<b>FACILITATORS' TAG</b>	<b>TOKEN &amp; LEI</b>	<b>FOOD</b>
Jeffrey Vilog Ryan Tobias	Roseviminda Ragasa Roxanne Mae Ragasa	Jeremy Retuta Cristina Adora Annelyn Dumal-in Zenaida Pastor Judelyn Lazo San Vicente Integrated School Teaching Staff
<b>STAGE DÉCOR &amp; PHYSICAL SET-UP &amp; CONTEST ROOMS PREP</b>	<b>USHERETTES</b>	<b>DOCUMENTATION</b>
Jennifer Remular Marilou Rialubin Jeremy Retuta San Vicente Integrated School Teaching Staff	Donna Requilman Myrene Lorraine Tamayo Jessica Tacla San Vicente Integrated School Teaching Staff	Golda Alquiza Jennifer Requilman Rhoda Quereza







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**DIVISION ON-THE-SPOT SCIENCE COMPETITION**

San Vicente Integrated School  
Poblacion, San Vicente, Ilocos Sur  
November 19, 2019

**Part I. OPENING PROGRAM**

1. Doxology ..... **San Vicente Integrated School**
2. Pambansang Awit ..... **San Vicente Integrated School**
3. Welcome Address..... **FERDINAND R. RUYAN**  
School Principal III  
San Vicente Integrated School  
  
..... **DR. VICTORIA P. BATTAD**  
Public Schools District Supervisor  
  
..... **HON. JOSE C. TABANDA III**  
Municipal Mayor
4. Opening Remarks.....**DR. MARIA SALOME R. ABERO**  
Chief, Curriculum Implementation Division
5. Message.....**DR. ARNEL C. DOCTOLERO**  
OIC-Assistant Schools Division Superintendent
6. Presentation of Participants..... **MR. SAMUEL GOMEZ**  
President, Division JHS Science Association
7. Message..... **MR. JORGE M. REINANTE, CSEE, CESO VI, CESO V**  
Schools Division Superintendent
8. Presentation of Contest Guidelines.....**DR. GLENN GUIRA**  
President, Division SHS Science Association
10. Orientation..... **DR. MARIA TERESITA R. GAPATE**  
EPS-Filipino and in-charge of Science

**Part II. CONDUCT OF CONTESTED ACTIVITY: On the S.P.P.O.T. (Science Processes and Practices On-Site Contest)**

Venue: San Vicente Integrated School Senior High School Building

**Part III. AWARDING CEREMONIES**

**MYRENE LORRAINE TAMAYO**  
**JEREMY RETUTA**  
Master of Ceremonies

