



Republic of the Philippines
Department of Education
Region V (Bicol)
DIVISION OF CATANDUANES
Virac, Catanduanes



RELEASED

DIVISION MEMORANDUM

No. 316 s. 2019

DepEd, Division of Catanduanes

RECORDS SECTION

Date SEP 10 2019

Time: 2:50 PM

Initial/Signature: [Signature]

2019 DIVISION ON-THE-SPOT SCIENCE COMPETITION

To: **CID Chief**
Education Program Supervisors
Public Schools District Supervisors
Secondary School Heads

1. This Division shall conduct the **2019 Division On-The-Spot Science Competition on November 8, 2019, 8 am at Gabaldon Building, Virac Pilot Elementary School**. The first place winner will represent the Division in the upcoming **Regional Science and Technology Fair on November 21, 2019** at a venue to be announced later.
2. The On-the-Spot Science Competition aims to apply science and mathematics thinking skills to solve problems that have local, national and global impact. It allows contestants to become problem solvers by addressing social, scientific and environmental issues through the application of 21st century skills.
3. Each school is allotted **two (2) contestants** (either both junior/senior or combination of the two levels) and 1 coach and required to bring the following materials: computer/laptop/notebook, printer, books and other printed resources, pocket wifi, extension cords.
4. Each school is advised to send the list of contestant and coaches on or before **November 4, 2019** for venue preparation.
5. Contest Mechanics and working committees are found in Enclosures 1 and 2.
6. No registration fee will be collected. Meals, travel and other incidental expenses of the participants shall be charged against MOOE/local funds subject to the usual accounting and auditing rules and regulations.
7. For immediate dissemination and compliance.


SOCORRO V. DELA ROSA, CESO V
Schools Division Superintendent

Working Committees

Program and Invitation	Chairman: John Dewey Chavez Joshua Gordon
Registration/Attendance	Chairman: Beth Bernal Lydia Baldomero
Certificates/Awards/Tokens	Chairman: Mari Ann Manguerra Mark Jay Abejo Paulo Dela Cruz
Documentation	Chairman: Ma. Lorylyn Reyes Jorge Victor Sales
Stage and Hall Preparation	Chairman: Garry Posada Joshua Gordon



2020 National 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.Pp.O.T. (Science Processes and Practices On-Site Test)	
No. of Contestants	Two	
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 21st century skills.	
Criteria for Assessment	Criteria (Part I)	
	Discussion/Arguments (based on scientific, technological and other valid assumptions, Feasibility of the proposed solution)	Percentage 60%
	Clarity of presentation (ability to effectively communicate solutions)	30 %
	Evidence of effective collaboration	10%
	TOTAL	100 %
	(Part II)	
	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 • Oral	15 % 10 %
	Evidence of effective collaboration	5 %
	TOTAL	100 %

A. Contest Mechanics
General Guidelines

Part I – One-Minute Presentation

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.
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. Any form of communication between

the contestants and other parties (coach, parents, classmates, teachers, etc.) shall warrant automatic disqualification.

3. 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.
4. At the end of two hours, all presentations shall be submitted to the assigned facilitators.
5. During the presentation, each team shall be given one minute to present. The time shall start as the contestants start to speak.
6. 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.
7. A timer board shall show the public as well as the contestant the time remaining for their presentation.
8. 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.
9. 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.

Part II – Developing the Proposed Solution

10. 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.
11. 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 to the Problem Presented (300 – 500 words)
 - 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.

- 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.
- The proposals shall be subjected to a plagiarism check. Any proposals which exceeds 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.
- 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.

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 wifi, 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 Bond paper A4	Utility expenses