



Republic of the Philippines
DEPARTMENT OF EDUCATION
Region III
DIVISION OF CITY SCHOOLS
City of San Jose del Monte



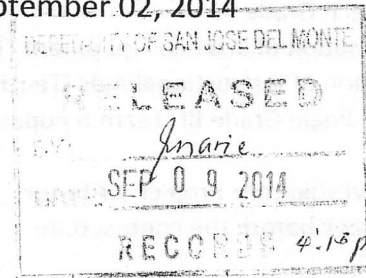
website: www.depedcsjdm.webs.com / e-mail: deped_csjdm@yahoo.com / telefax: (044) 815-2815

September 02, 2014

DIVISION MEMORANDUM

No. 150, s. 2014

To: All Elementary School Principals, OIC's
School Science Coordinators



2014 DIVISION SCIENCE FAIR FOR ELEMENTARY

1. This is to announce that the Division Science Fair for Elementary Level will be held on September 15, 2014 at Tungkong Mangga Elementary School with the theme "Strengthening Innovation for a Reformed Curriculum"
2. Objectives of this annual activity are:
 - a. Promote academic excellence in Science through research and development among \ pupils;
 - b. carry out scientific activities that develop pupils' creativity, competence, resourcefulness and analytical mind; and
 - c. provide an avenue to develop sportsmanship and camaraderie among pupils
3. The contest categories to be conducted are the following:
 - A. Science Quiz
 - a. Grade III – One(1) Contestant per school
 - b. Grade IV – One (1) contestant per school
 - c. Grade V – One (1) contestant per school
 - d. Grade VI – One (10 contestant per school
 - B. Sci-Art Contest
 - a. Grade III – One(1) Contestant per school
 - b. Grade IV – One (1) contestant per school
 - c. Grade V – One (1) contestant per school
 - d. Grade VI – One (10 contestant per school
 - C. Odyssey of the Mind (Hands On- Minds On Activity) for Grade VI pupils.
 - D. Sci-journalism for Grade V pupils
 - E. Science Investigatory Project
 - a. Life Science – Team - One (1) entry per school
 - b. Life Science – Individual – One (1) entry per school
 - c. Physical Science – Team - One (1) entry per school
 - d. Physical Science – Individual – One (1) entry per school
 - F. Science Trivia
 - G. Science Action Research (Teacher Category- Individual)



"Collaborating with our Leaders, Caring for our Learners"



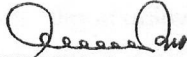


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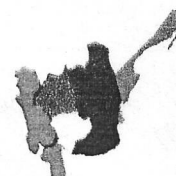
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- H. Robo-Tech Grade VI
 - I. Improvisation of Science Equipment (Teacher Category – Individual)
 - J. Innovation of Instructional Aids (Teacher Category – Individual)
 - K. Science Jingle Grade III (Team:6 pupils)
4. Science Investigatory Project write-ups shall be submitted to the Division Office in three copies a week before the contest date
5. First place winners in all events shall represent the Division Office in the Regional Science Fair on October 14, 2014 at DepEd Regional Office, San Fernando City, Pampanga.
6. A registration fee of Php500.00 per school shall be charged to defray the expenses for trophies, medals, certificates, honoraria for judges and other incidental expenses
7. Enclosure no. 1 contains the schedule of activities and Technical Working Committee
8. Enclosure no. 2 contains the guidelines for different contest categories
9. District supervisors, Principals and Officer In-Charge are encouraged to support the pupils, coaches and coordinators to ensure the success of this activity.
10. Immediate and wide dissemination of this memorandum is enjoined.


ESTELITA G. PINEDA, CESO V
Schools Division Superintendent



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SCHEDULE OF ACTIVITIES

Time	Activity/Contest Proper
7:30-8:00	Opening program
8:00-10:00	Science Quiz
	Sci-Art Contest
	Science Congress (SIP)
	Odyssey of the Mind
	Science Journalism
	Sci-Trivia
	Robo-Tech
10:00-12:00	Science Action Research
	Improvisation of Science Equipment
	Innovation of Instructional Aids
1:00 – 4:00	Sci-jingle
4:00-5:00	Closing and Awarding Ceremony

TECHNICAL WORKING COMMITTEE

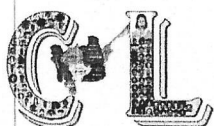
DR. ROLANDO T. SOTELO
Chairman

LOURDES A. SOLOMON
Vice Chairperson

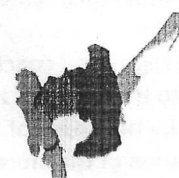
RAUL G. PANIMBATAN – WEST
Member

SHIRLEY M. MACAWILE –EAST
Member

Contest Facilitators: **All School Science Coordinators**



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DIVISION INTEGRATED COMPETITION

ELEMENTARY SCIENCE CONTEST GUIDELINES

I. SCIENCE QUIZ (Grades III, IV, V VI)

1. The Division Finals of the contest shall be conducted in a Quiz Show Format
2. There shall be four (4) rounds for all categories: Easy, Average, Difficult and, Clincher. There shall be ten (10) easy questions, five (5) average questions, and (5) difficult questions. All contestants shall answer all questions in the 3 rounds. Each correct answer in every round will be given corresponding points, to wit:

Easy	-	1 point
Average	-	3 points
Difficult	-	5 points
3. Each contestant shall be provided with answer sheets/ Show Me Board.
4. Each question must be answered within the time allocated for it. Ten (10) seconds for the easy part, twenty (20) seconds for the average questions and thirty (30) seconds for the difficult questions.
5. The quizmaster shall read each question twice and the time shall start only after the quizmaster says "GO"
6. The contestants may begin to answer only after the quizmaster says "GO".
7. The contestant must write his/her final answer on the answer sheet. If a contestant wishes to change his/her answer, the former answer should be crossed-out and the final answer encircled.
8. All answers must be spelled correctly to be considered correct. If the answer is a proper noun, capitalization of the first letter of the word is also a basis in declaring an answer correct.
9. Questions shall indicate the number of significant figures for numerical answers. Use of calculators is not allowed.
10. After the time limit has expired, each contestant must show his/her answer to the audience before the quizmaster reads the correct answer. The proctors shall read and acknowledge whether the answer of each contestant is correct or not.
11. If there is a question on the correctness of the answer, the validity of the answer will be determined by the Examiner/ Board of Judges. The decision of the Examiner/Board of Judges is final.
12. Solutions may be checked by the Board of Judges if needed.
13. The total score of a contestant after three rounds shall be his/her score.
14. The contestant with the highest final score shall be declared as the first place winner, the second highest-second place winner, the third highest-the third place winner, and so on.
15. In case of a tie, the Clincher Round shall be played. It will be a knockout system between or among the contestants with equal scores until a winner emerges. The first one who can answer correctly will be declared the winner.
16. The duly registered coach of the contestant 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. No protest shall be entertained by the Board of Judges when the quizmaster started reading the next question.
17. Any violation of the aforementioned rules shall cause the disqualification of the contestant concerned.

II. SCI-ART CONTEST, Grades III, IV, V, VI (Individual)

PARTICIPANT: 1 from each Grade Level III, IV, V and VI

GUIDELINES

1. Only one (1) contestant per grade level/ schools shall participate in the contest.
2. The contest will revolve around the theme which will be announced by the contest administrator during the contest proper.
3. The medium for visual artistry shall be oil pastel only. The required base paper to be used during the contest, however, is an illustration board (size:1/4).
4. The contestants will bring their own materials during the competition. Borrowing of materials from other contestants shall not be allowed.
5. The allotted time for the contest is one and a half (1½) hours, after which all entries shall be submitted to the contest administrator. Contestants may decide to submit his/her sci-art earlier without waiting for the lapse of one and half (1½) hours. Late submission shall be deducted 1% from the total for every extension of five (5) minutes. A fraction of five (5) minutes shall already be considered five (5) minutes for purposes of the deduction.
6. Each Sci-art shall be identified by a number that corresponds to the number and identify of the contestant for the judging process.
7. Decision of the Board or Judges is Final.
8. Criteria for the Sci-Art

Originality of Idea	40 %
Relevance to the Theme	40 %
Overall Impact	<u>20 %</u>
Total	100 %

III. QDYSEY OF THE MIND (Hands On-Minds On Activity)

PARTICIPANTS

Grade VI pupils

GUIDELINES

The contest is a hands-on minds-on activity where each contestant will have to answer questions, perform a science activity by following specific directions that require cognitive and psycho-motor skills and fluency in oral communication of science ideas and concepts

1. Each contestant will have to go through 5 learning stations starting from Learning Station 1 (LS1) to LS5.
2. Each LS has a learning packet, Directions to follow IN PRINT.
3. Individual LS is manned by a member of the Board of Judges who acts as the evaluator of the learning outcome.
4. Performance in each LS is under time pressure. Communication skills, speed, accuracy and correctness of activity results called for are being assessed.
5. The hands-on minds-on activities will focus on the following content standards:

Living Things and Their Environment
Matter
Force, Motion and Energy
Earth and Space
6. A Performance Rubric will be used to rate the performance of each contestant in every learning station

IV. SCI-JOURNALISM

PARTICIPANT: Grade V

1. This contest category is on feature writing.
2. All contestants shall write an essay of not less than 300 words on a particular topic.
3. The essay must be written in English.
4. The time allotment for writing is one (1) hour.
5. The criteria for judging are as follows.

Rhetorical Force -----

30%

The clarity with which the central idea or point of view is stated and maintained; the coherence of the discussion and the quality of the writer's

reasoning; the logical sequence of the writer's ideas.

Relevance to the Theme and Appropriateness -----

30%

The relevance, depth and specificity of supporting information and applicability or recommended actions.

Originality and Substance of Content -----

20%

The extent to which the ideas and concepts presented are complete, intensive and first hand produced.

Usage -----

10%

The extent to which the writer addresses the topic; uses vocabulary/language, creativity of expression, care and precision in word choice and expresses his/her purpose.

Mechanics -----

10%

The extent to which the writing is free of error in syntax, paragraph and structure.

TOTAL

100%

6. Five points shall be deducted from the total score if the essay is less than 300 words.
7. The champion shall be declared the SCIENCE JOURNALIST OF THE YEAR, the second, FIRST RUNNER-UP, the third, SECOND RUNNER-UP

V. SCIENCE INVESTIGATORY PROJECTS CONGRESS (Life/Physical Science) Team/Individual

1. Paper presenters are required to submit to the Division the *Abstract of the Research* and *three (3) hard copies of the full version of the research paper* (in double-spaced short- sized bond paper) *on or before October 01, 2013*
2. *Abstract* on A4size bond paper, Times New Roman font type, font size 12 and double-spaced. The presentation of the Abstract shall be Oral and lasts for 10 minutes, 15minutes for clarificatory questions from the Board of Judges and 5 minutes for the wrap-up-synthesis . A PowerPoint presentation shall be used. Presenters must follow the rules and proper use of PowerPoint presentations.
3. The full version of the paper shall use the "author, date" in text-referencing format and shall have the following format: *Title, Abstract* (with key words), *Introduction* (including statement of the problem, conceptual framework), *Brief Review of Literature, Methodology* (Design, Locale, Respondents, and Statistical Tools), *Findings and Discussions, Conclusions and Recommendations. References* (if any).
4. CRITERIA FOR JUDGING THE SCIENCE INVESTIGATORY PROJECT (Suggestive)

Science 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 Contribution/ 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
 - e. self—confidence
 - f. Enthusiasm
- 5. The Board of Judges reserve the privilege to modify the criteria /or establish ground rules which they deem appropriate in the conduct of the Research Congress.

VI . SCIENCE TRIVIA

PARTICIPANTS: Grade VI pupils

GUIDELINES

- Test-type: ORAL EXAM –Items consist ten (10) easy questions, 5 (five) average, and five (5) difficult questions plus additional tiebreaking questions. Easy question shall be given 1 pt., 3 pts. for average, and 5 pts. for difficult questions.
- Trivia questions focus on ANY science topic, concept, fact, figure.
- Test questions are to be answered within a given time frame as determined by the Trivia Master. Reading and answering of the questions will be done as soon as the signal is given.
- Each participant will be given a show board where answer/s will be written. No sheets of papers and aids (such as books, calculators, or outside coaching) are permitted.
- The first, second, and third placers will be determined by ranking according to each contestant's score. In case of ties for these places, tie breaking questions will be administered.
- There will be assigned numbers to each participating division for identification, especially during announcement of scores.
- The judges' decision is final.

VII. SCIENCE ACTION RESEARCH (Teacher category- Individual)

1. Participants are the 1st place winners in the school level Research. The research is classroom or school- based which results shall have been utilized to improve student/ teacher/ school performance.
2. Paper presenters are required to submit to the Division Office, the Abstract of the Research and three (3) hard copies of the full version of the research paper (in double-spaced short- sized bond paper) on or before September 8, 2013, for review by the Panel of Judges.
3. Abstract on A4size bond paper, Times New Roman font type, font size 12 and double-spaced. The presentation of the Abstract shall be Oral and lasts for 10 minutes, 15 minutes for clarificatory questions from the Board of Judges and 5 minutes for the wrap-up-synthesis . A PowerPoint presentation shall be used. Presenters must follow the rules and proper use of PowerPoint presentations.
4. The full version of the paper shall use the "author, date" in text-referencing format and shall have the following format: Title, Abstract (with key words), Introduction (including statement of the problem, conceptual framework), Brief Review of Literature, Methodology (Design, Locale, Respondents, and Statistical Tools), Findings and Discussions, Conclusions and Recommendations. References (if any).
5. Criteria to be followed in the division congress for action research will be presented on the spot by the Board of Judges.
6. Decision of the Board of Judges is final and irrevocable.

VIII. ROBOT-TECH

PARTICIPANTS: Grade VI Pupil

1. Material used : LEGOS
2. CRITERIA FOR JUDGING
 - a. CREATIVE DESIGN 30 points
 - Creative Appearance
 - Interactive behaviour

b. TECHNICAL DESIGN	30 points
Good Engineering	
Stable Structure	
c. PRESENTATION	30 points
Successful/ Stable Demo Clear	
Concept in presentation	
Over-all Appearance	
d. JUSTIFICATION	10 points
TOTAL	100 POINTS

IX. IMPROVISATION OF SCIENCE EQUIPMENT(Teacher Category-Team)

Participants: Division 1st place winners, Science Teachers, Team (3)

1. The improvised science equipment shall be presented in a Congress before a Panel of Reactors/ Judges. Presentation of the functionality and usage shall last for 10 minutes, 10-15 minutes for questions and remarks from the Panel of Reactors, and 5 minutes for the wrap-up synthesis of the Presenters.
2. The write-up of the improvisation shall be submitted in three (3) copies to the Division Office for review of the Panel of Reactors on or before Sept 8, 2011.
3. The improvised science equipment MUST show the following:
 - a. Available local resources are used to perform experiments
 - b. Cheaper products to simulate experiments (Production Cost)
 - c. Scientific principles involved/ Concepts underlying the device
 - d. Important life skill/s to be developed in the learners
 - e. Quality of the science equipment
 - f. Can be replicated and shared to other teachers
4. Criteria to be used in the Congress shall be defined by the Board of Reactors/Judges

X. INNOVATION OF INSTRUCTIONAL AIDS (Teacher Category, Individual)

Participants: Science Teachers

1. The innovation shall be presented in a Congress before a Panel of Reactors/ Judges. Presentation of its usage shall last for 10 minutes, 10-15 minutes for questions/ inquiries/ validation from the Panel of Judges, and 5 minutes for the wrap-up synthesis by the Presenter.
2. A Model of the innovative instructional material shall be submitted Division office on or before Sept 8, 2014 for review by the Panel of Reactors/Judges.
3. The innovative instructional material MUST show the following:
 - a. Instructional benefits of the innovation. Positive outcomes and difficulties of what learners might encounter when material is used in instruction
 - b. New text-based activity implemented using the material
 - c. Learners can be well- engaged with the material
 - d. Material has linkage with current science concepts and principles
 - e. Clarity of innovation thru language used for learners' level of understanding
 - f. IM ties directly to learning outcomes and learning experiences of students
 - g. Clear articulation to learners the purpose of the innovative IM
 - h. Can be replicated, published and shared to other teachers
4. Criteria will be defined during the Congress by the Board of Judges.

XI. SCIENCE JINGE

PARTICIPANT: Grade III Pupils (Team of 6)

1. The song must be original in Lyrics (English or Filipino) and music/ melody, must run within 2 to 3 minutes.

2. It will be accompanied by a minus-one CD/ Tape only.
3. Lyrics must be relevant to the theme set.

4. The Criteria for judging as follows: **Theme "Strengthening Innovation"**

Originality-Relevance to the Theme (Lyrics)	30%
Melody	20%
Timing	10%
Voice Quality	30%
Retentivity(Catch)	<u>10%</u>
Total	100%