REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON
DEPARTMENT OF EDUCATION
DepED Complex, Meralco Avenue, Pasig City, Philippines

JUL 17 2006

DepED MEMORANDUM
No. 277 , s. 2006

4th NATIONAL SCIENCE QUIZ, SCIENCE FAIR AND SCI-DAMA

To: Regional Directors
Schools Division/City Superintendents
Heads, Public and Private Elementary and Secondary Schools

1. Pursuant to DepED Memorandum No. 367, s. 2005, the Department of Education in cooperation with the Association of Science Educators in the Philippines (ASEP) Inc., will hold the 4th National Science Quiz, Sci-Dama and Science Fair for elementary and secondary schools on February 9-11, 2007 at Baguio City National High School, Baguio City. Check-in time is 5:00 p.m. of February 9.

2. The objective of the competition is to promote academic excellence in Science through competition, camaraderie and sportsmanship. Enclosed are the Guidelines for the National Science Fair, Scheme of National Science Fair, Levels of Implementation and Criteria for Judging.

3. The participants in the Science Quiz and Sci-Dama are the Regional First Place winners, while in the Science Fair are the First and Second Place winners from the First to Fourth Year levels for secondary and Grades III-VI for elementary. Advisers, coaches, coordinators, Department Heads and Science Supervisors I and II may also attend.

4. A registration fee of One Thousand Eight Hundred Pesos (PhP1,800.00) will be charged each participant to cover expenses for board and lodging, honoraria of judges, certificates, medals, trophies and other miscellaneous expenses. Participants shall charge their registration fee, transportation and other expenses against local funds, school board funds, and non-DepED sources subject to COA rules and regulations. Attendees who are from the Department should be on **official business**.

5. The schedules of competition in the different levels are as follows:

Division Level	-	August-September 2006
Regional Level	-	October-November 2006
National Level	-	February 6-8, 2007

6. For more information, please contact Dr. Aurora Franco, NCR and Dr. Angelita Madrigal, Vice-President, ASEP, DepED Region IV-A.

7. Immediate dissemination of this Memorandum is desired.

FE A. HIDALGO
Undersecretary
Officer-in-Charge

Encls.:
As stated

Reference:
DepED Memorandum: (No. 367, s. 2005)

Allotment: (D.O. 50-97(

To be indicated in the Perpetual Index
under the following subjects:

CONTESTS
SCIENCE EDUCATION
SCHOOLS

Reformatted by: Maricar/DM-Science Quiz
06-15-06

ASSOCIATION OF SCIENCE EDUCATORS IN THE PHILIPPINES (ASEP)
c/o REGION IV SOUTHERN TAGALOG
Capitol Compound, Pasig City

GUIDELINES FOR THE NATIONAL SCIENCE FAIR

I. OBJECTIVES

- To encourage research and development among young pupils and students
- To disseminate and apply learned science and technology concepts and principles
- To identify and give recognition to outstanding pupils and students researcher
- To create an atmosphere of competitiveness and excellence in undertaking scientific activities in investigatory project/research.

II. REQUIREMENT FOR THE INVESTIGATORY PROJECTS

A. Content

1. Contribute to the advancement of science and technology;
2. Have socio-economic significance and relevance to livelihood development;
3. Demonstrate scientific principles to provide new knowledge and new discoveries.

B. Physical Set-Up

The physical set-up must be well-organized and attractive. Use clear and informative displays. Make headings stand-out clearly and label them correctly. A two-pages project abstract must be posted in one corner of the booth. The maximum size of project display must be: 25 inches deep, 45 inches wide an d40 inches high excluding table for display.

C. Abstract

The abstract should consist of short description of the problem and its solution. It must be typewritten, single-spaced with a maximum of 300 words, font 11. The abstract must include the following: purpose, procedure used, results and conclusions.

D. Research Paper

The research paper for the National entry should contain the following: a) Problem/s; b) Objectives; c) methods and procedure; d) results; e) conclusions and recommendations; and f) bibliography.

- *Project Adviser*

Project adviser must be a teacher. He/She must have a background in science and should have close contact with the students during the conduct of the project. Advisers must be responsible for the health and safety of the pupils and students.

- *Review Committee/Board of Judges*

Review Committee and Board of Judges are qualified individual who are responsible for evaluation of pupils and students research for compliance with rules and regulations.

The review committee and board of judges examine projects for the following:

- evidence of proper supervision
- use of appropriate research techniques
- complete forms and signatures
- evidence of literature search
- documentation of substantial expansion for continuation of project
- compliance with rules and laws governing human and animal research
- compliance with rules regarding controlled substances and hazardous substances and devises
- minimum of 3 board of judges is required
- compliance for the policies, regulations and guideline for the National level competition

SCHEME OF NATIONAL SCIENCE FAIR

A. Clustering of Project Entries

Elementary Level

There is only on (1) cluster for the elementary level.

Secondary Level

Cluster I - Project entries of students from the Regular High School and Private High Schools

Cluster II - Project entries of students from Special Science High School, Special Science Curriculum, Science and Technology – Oriented High School and Provincial/Regional Science High School.

B. Classification of Entries

2 Major Classifications:
1. Fair 1 - Life Sciences
2. Fair 2 - Physical / Applied Sciences

Note: For each fair division, specific disciplines are identified. The researcher must indicate the fair division and discipline for his/her project.

C. Categorization of Entries (Elementary and Secondary)

1. Individual Project – conducted by one student only in any of the identified disciplines under life sciences or physical and applied sciences.

2. Team Project – conducted by 2 or 3 in a team in any of the identified disciplines under life sciences or physical and applied sciences.

D. Levels of Implementation

1. Level 1 - Division - First Place winners in all categories
2. Level 2 - Regional - First and Second Place winners in all categories
3. Level 3 - National - First and Second Place winners in all categories

Note: All entries qualified for National IPSF will not be included in the National Level

LEVELS OF IMPLEMENTATION

I. Level 1 – Division

Elementary Level

Cluster I - All qualified entries First Place winners from Grade III-VI levels will be included in the division science fair.

Secondary Level

Cluster I - Students from the regular public high school and private high school

Cluster II - Students from the Special Science High school, Special Science Curriculum, Science and Technology High School, Regional and Provincial Science High School.

A. Approval of Projects (Elementary and Secondary)

1. Categorization of entry as individual or team
2. Classification of entry under life sciences or physical sciences
3. Evaluation of research paper
4. Selection of winners by ranking 1st, 2nd, and 3rd placer per category
5. First place winners per category will be qualified for regional competition.

B. Requirements (all categories)

1. Accomplished Application Form
2. Signed Review Committee Approval
3. Certification as Individual or Team Category
4. Certification as Official Adviser
5. Parental Concept
6. Medical Certificate
7. 3 copies of Official Abstract and 3 copies of Research Paper

II. Level 2 – Regional and National Level

Note: Scheme of Selection and requirements are the same in the Regional and National Levels except:

- The 1st and 2nd place winners in regional will be qualified for the National Level competition in all category

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