



REPUBLIKA NG PILIPINAS
REPUBLIC OF THE PHILIPPINES
KAGAWARAN NG EDUKASYON, KULTURA AT ISPORTS
DEPARTMENT OF EDUCATION, CULTURE AND SPORTS

DECS Complex, Meralco Avenue
Pasig City, Philippines



Sama-Sama
sa DECS

Tanggapan ng Kalihim
Office of the Secretary

February 11, 1999

DECS MEMORANDUM
No. 60, s. 1999

**NATIONAL YOUTH SCIENCE, TECHNOLOGY
AND ENVIRONMENT SUMMER CAMP**

TO : Regional Directors
Schools Division Superintendents
Regional Science Supervisors
Division Science Supervisors
Public and Private Secondary School Principals

1. As part of its annual activity, the Philippine Society of Youth Science Clubs, Inc. (PSYSC), in cooperation with the Department of Education, Culture and Sports (DECS) – Center for Students and Co-Curricular Affairs and the Department of Science and Technology (DOST), announces the holding of the 1999 National Youth Science, Technology and Environment Summer Camp (NYSTESC) on April 4-9, 1999 at the University of the Philippines – Los Baños, Laguna.

2. The camp is an annual event with this year's theme "great promise or peril?@next_millennium.com.ph." The 1999 Summer Camp aims to promote the interest of the youth in topics relevant to the development of the country and the Filipino people in the next millennium and provide in-depth learning and hands-on experiences in major topics such as *Information Technology and Automation, Materials Science and Biotechnology and Medicine*. It is an interactive venue and an out-of-classroom experience for public understanding of science, technology and the environment. As such, it consists of lectures, workshops, exposure trips, group dynamics, and socials.

3. Participation of each PSYSC-affiliated Science Club is limited to a maximum of one (1) teacher-adviser and six (6) students, preferably incoming second to fourth year high school who have not attended two successive camps. Excess applicants will not be accepted.

4. The travel expenses, registration fee of Three Thousand One Hundred Pesos (PhP 3,100.00) and other incidental expenses to this activity must be sourced from outside DECS. Participants may seek the assistance of the local school board and/or various organizations to ensure maximum participation. The registration fee will cover board and lodging from dinner of April 4 to breakfast of April 10, kits, pens, handbooks, educational trips, shirts, and other miscellaneous expenses. A solicitation letter is enclosed which may be reproduced.

5. Interested participants must submit the following on or before March 5, 1999:

- a. Duly accomplished application form.
- b. Medical Certificate (including teacher-advisers)
- c. Parental Consent

E-Mail Address:
OSEC@SKYINET.NET

"Together Let Us Build This Nation Through Education"

Tel. # 02-633-7228 or 7208
Fax # 02-632-0805

- d. Principal's Endorsement
- e. Non-refundable reservation deposit of Six Hundred Pesos (PhP 600.00) per participant (deductible from the registration fee) payable only to the Philippine Society of Youth Science Clubs (PSYSC) with Account No. 0702-1020-65 and preferably deposited at any Land Bank of the Philippines Branch, or sent through Postal Money Order (PMO) not later than March 5, 1999 to:

Philippine Society of Youth Science Clubs (PSYSC)
Unit 4C VS1 Building, #34 Kalayaan Avenue,
Diliman, Quezon City

- f. Copy of duly validated deposit slip

Only after submission of all these requirements will a participant be considered reserved. The reservation fee is transferable only to participants from the same school, at which case an authorization letter must be presented by the replacement.

6. Each participant must bring enough clothes (preferably summer clothes with two semi-formal attire), pocket money for the duration of the activity, personal effects and photocopy of the required documents, including a certified true copy of their deposit slip (bank validated by a letter machine) for verification.


7. Participation is limited to official and confirmed participants only. Confirmation slips will be mailed directly to accepted participants. If no confirmation arrives five days before the activity and for more queries, participants may call the PSYSC at Tel. #(02) 433-9801/435-2586 or the DECS Center for Students and Co-Curricular Affairs at TeleFax #(02) 836-3603/631-8495.

8. The registration period is from 8:00 AM - 3:00 PM of April 4 only. In the event that the participants cannot come on time during the registration period, they must inform the PSYSC Office of their delay at least three (3) days in advance, otherwise they shall not be accommodated. Those contingents that come on the day of the registration without submitting the proper requirements or not meeting the reservation deadline will not be accepted unless their application is approved by the Camp Committee.

9. As a co-curricular activity of the Department, all concerned are encouraged to support the Camp. This event is part of the Department's thrust to enhance youth participation in science, technology and environment out-of-classroom activities and education as a way to prepare them for the coming millennium.

10. Attached are pertinent documents for ready reference.

11. Immediate dissemination of this Memorandum to all concerned is earnestly desired.


ANDREW GONZALEZ, FSC
Secretary

Incls.: As stated

Reference: DECS Memorandum: No. 489, s. 1997

Allotment: 1-2—(D.O. 50-97)

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

CLUBS
 ENVIRONMENTAL EDUCATION

SCIENCE EDUCATION
 WORKSHOPS

****In the following schedules, the activities that are italicized are for the whole camp. Others are by blocks.**

Schedule of Activities

Biotechnology and Medicine

Day 0

<i>8:00-3:00</i>	<i>Registration</i>
<i>3:00-5:00</i>	<i>Integration</i>
<i>5:00-7:00</i>	<i>Dinner</i>
<i>7:00-9:00</i>	<i>Orientation</i>

Day 1

<i>7:00-8:30</i>	<i>Breakfast</i>
<i>8:30-10:00</i>	<i>Opening Ceremonies</i>
<i>10:00-11:30</i>	<i>Session 1 - Basic Microbiology and Genetics</i>
<i>11:30-1:00</i>	<i>Lunch Break</i>
<i>1:00-3:00</i>	<i>Workshop 1</i>
<i>3:00-3:30</i>	<i>Snacks</i>
<i>3:30-4:30</i>	<i>Session 2 - Fermentation Industries</i>
<i>4:30-5:30</i>	<i>Session 3 - Plant Breeding and Applications</i>
<i>5:30-7:00</i>	<i>Dinner</i>
<i>7:00-10:00</i>	<i>Cultural Show</i>

Day 2

<i>7:00-8:30</i>	<i>Sportsfest</i>
<i>8:30-9:30</i>	<i>Breakfast</i>
<i>9:30-10:30</i>	<i>Session 4 - Pathology</i>
<i>10:30-11:30</i>	<i>Session 5 - Mutation and Cancers</i>
<i>11:30-1:00</i>	<i>Lunch Break</i>
<i>1:00-2:00</i>	<i>Session 6 - Genetic Abnormalities</i>
<i>2:00-3:00</i>	<i>Session 7 - The Cure in Genetic Engineering</i>
<i>3:00-3:30</i>	<i>Snacks</i>
<i>3:30-4:30</i>	<i>Workshop 2</i>
<i>4:30-5:30</i>	<i>The Human Genome Project and Cloning</i>
<i>5:30-7:00</i>	<i>Dinner</i>
<i>7:00-10:00</i>	<i>Socials</i>

Day 3

<i>7:00-8:30</i>	<i>Sportsfest</i>
<i>8:30-9:30</i>	<i>Breakfast</i>
<i>9:30-10:00</i>	<i>Workshop 3</i>
<i>10:00-11:30</i>	<i>Symposium on AIDS and Sex Education</i>
<i>11:30-1:00</i>	<i>Lunch Break</i>
<i>1:00-2:00</i>	<i>Workshop 4</i>
<i>2:00-3:00</i>	<i>Session 8 - The Brain</i>
<i>3:00-3:30</i>	<i>Snacks</i>

3:30-4:30
4:30-5:30
5:30-7:00
7:00-10:00

Session 9 – Vanity Medicine
Session 10 - Medical Malpractices
Dinner
Quiz Show

Day 4

6:00-7:30
7:30-5:00
5:00-7:00
7:00-10:00

Breakfast
Educational Trip
Dinner
Output Making

Day 5

7:00-8:30
8:30-10:30
10:30-12:00
12:00-1:00
1:00-4:30
4:30-5:30
5:30-7:00
7:00-10:00

Breakfast
Sportsfest Finals
Finalization of Outputs
Lunch Break
Presentation and Judging of Outputs
Free Time
Dinner
Closing Ceremonies/Awards Night

Schedule of Activities

Materials Science

Day 0

8:00-3:00	Registration
3:00-5:00	Integration
5:00-7:00	Dinner
7:00-9:00	Orientation

Day 1

7:00-8:30	Breakfast
8:30-10:00	Opening Ceremonies
10:00-11:30	Session 1 - Basic Chemical Concepts and Introduction to Materials Science
11:30-1:00	Lunch Break
1:00-3:00	Workshop 1
3:00-3:30	Snacks
3:30-4:30	Session 2 - Liquid Crystals
4:30-5:30	Session 3 - Polymers
5:30-7:00	Dinner
7:00-10:00	Cultural Show

Day 2

7:00-8:30	Sportsfest
8:30-9:30	Breakfast
9:30-10:30	Workshop 2
10:30-11:30	Session 4 - Ceramics
11:30-1:00	Lunch Break
1:00-2:00	Workshop 3
2:00-3:00	Session 5 - Thin Films
3:00-3:30	Snacks
3:30-4:30	Session 6 - Metals and Alloying
4:30-5:30	Session 7 - Composites
5:30-7:00	Dinner
7:00-10:00	Socials

Day 3

7:00-8:30	Sportsfest
8:30-9:30	Breakfast
9:30-10:30	Workshop 4
10:30-11:30	Session 8 - Semiconductors and Superconductors
11:30-1:00	Lunch Break
1:00-2:00	Workshop 5
2:00-3:00	Session 9 - Optical Fibers
3:00-3:30	Snacks
3:30-4:30	Session 10 - Ecology and Materials Science

4:30 - 5:30
5:30-7:00
7:00-10:00

**Micro-mechanics and Molecular Landscaping*
Session 11 - Artificial body parts
Dinner
Quiz Show

Day 4

6:00-7:30
7:30-5:00
5:00-7:00
7:00-10:00

Breakfast
Educational Trip
Dinner
Output Making

Day 5

7:00-8:30
8:30-10:30
10:30-12:00
12:00-1:00
1:00-4:30
4:30-5:30
5:30-7:00
7:00-10:00

Breakfast
Sportsfest Finals
Finalization of Outputs
Lunch Break
Presentation and Judging of Outputs
Free Time
Dinner
Closing Ceremonies/Awards Night

Day 4

6:00-7:30	Breakfast
7:30-5:00	Educational Trip
5:00-7:00	Dinner
7:00-10:00	Output Making

Day 5

7:00-8:30	Breakfast
8:30-10:30	Sportsfest Finals
10:30-12:00	Finalization of Outputs
12:00-1:00	Lunch Break
1:00-4:30	Presentation and Judging of Outputs
4:30-5:30	Free Time
5:30-7:00	Dinner
7:00-10:00	Closing Ceremonies/Awards Night