Republic of the Philippines
Department of Education
National Capital Region
DIVISION OF CITY SCHOOLS
Quezon City, Metro Manila

September 2, 2010

MEMORANDUM TO:

Asst. Schools Division Superintendents
Division/District Supervisors
Heads, Public and Private Secondary Schools

1. Attached is a letter from Engr. Arturo O. Sudlon Jr., Admissions and Marketing Officer, Technological Institute of the Philippines (TIP), dated August 26, 2010, **re:"5th Annual OlymPHYSICS",** and its enclosures, the contents of which are self explanatory for the information and guidance of all concerned.

2. Immediate and wide dissemination of this Memorandum is desired

CORAZON C. RUBIO, CESO VI
Asst. Schools Division Superintendent
Officer In-Charge
Office of the Schools Division Superintendent

mvt/supervisor

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

26 August 2010

Dr. Corazon C. Rubio
Asst. Schools Division Superintendent Officer In-Charge
Office of the Schools Division Superintendent

Dear Madame;

The Mathematics and Physics department in cooperation with Admissions and Marketing Office of the Technological Institute of the Philippines Quezon City will hold its 5th **Annual OlymPHYSICS** Competition on September 21, 2010 at the TIP-QC Congregating Area from 8:00 am to 5:00 pm.

In connection with this, we are inviting all the schools under your supervision to participate in the exciting and fun activity that aims to promote camaraderie, and to provide a venue where fourth year high school students can showcase their wits in the field of physics.

Attached herewith are the invitation letter, and the mechanics of the competition.

For any inquiry, you may send e-mail to olymphysics@yahoo.com or call us at telephone numbers 911-0964 local 305 or 911-7199 look for Engr. Arturo O. Sudlon Jr.

Truly yours,

Engr. Arturo O. Sudlon Jr.
Admissions and Marketing Officer

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES

938 Aurora Blvd., Cubao Quezon City

Dear Sir/Madam:

The Mathematics & Physics Department of TIP in coordination with the Admissions and Marketing Office and the Abstract Combination with Emotional Quotient (ACE-Q), the official student organization of the Math & Physics department, will hold its **5th Annual TIP-QC OlymPHYSICS** competition. Participants of this activity are the interested feeder high schools from the Divisions of Quezon City, Marikina City, Antipolo City, Pasig City, Caloocan City and Rizal. This activity aims to promote physics through practical and fun activities; and to develop critical thinking, creativity and teamwork among participants. We guarantee that this will be a great learning event, not only for the participants, but for their respective schools as well.

In this connection, we cordially invite you to send a team of eight (8) students and a coach that will accompany them to represent your school in the said event. We also encourage parents, friends, and other supporters to come along. The competition will be held on September 21, 2010 from 8:00 am to 5:00 p.m. at the TIP-QC Congregating Area. Registration starts at 7:30 am. You may confirm your attendance on or before September 7, 2010.

For more information, attached are the description, general rules, and mechanics of the said competition. For further inquiries feel free to contact us at 911-09-64 local 369 and look for Engr. Ariel H. Magat or Ms. Amparo Faraon or you can email us at olymphysics@yahoo.com .

Respectfully yours,

Engr. Ariel H. Magat
Math & Physics Department Head

Engr. Arturo O. Sudlon Jr.
Admissions and Marketing Officer

5th OlymPHYSICS
PROGRAMME

8:00-8:30.....Registration

8:30-10:00.....Elimination Round
(Written Exam)

10:00-11:30.....Campus Tour

11:30-12:30.....LUNCH BREAK

12:30-1:00.....Program Proper

1:00- 4:00.....Final Round
(Physics Challenges)

4:00-4:30.....Awarding Ceremony

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
Quezon City

MATHEMATICS & PHYSICS DEPARTMENT

5th OlymPHYSICS
September 21, 2010
Congregating Area, TIPQC
8:00 – 5:00 PM

5th TIP-QC OlymPHYSICS

DESCRIPTION, GENERAL RULES & MECHANICS OF THE GAME

DESCRIPTION AND GENERAL RULES

In recognition to the importance of physics in all sciences, technology and in the general education of young people, and with aim of enhancing the critical thinking skills among the students, the TIP has organized this practical physics competition for secondary school students.

- The event is named **OlymPHYSICS** because it is a competition that involves physical activities and challenges that require direct application of physics concepts. It is a competition among teams of participating secondary schools.
- The main objective of the competition is to promote the fun and practical aspects of physics through games that are most appealing to the students.
- Each participating school shall send a delegation consisting of **five official contestants and three alternate students** to be accompanied by a teacher-coach. The contestants shall be students of national or technical secondary schools i.e. school that are not considered technical colleges. Contestants should come to the venue wearing the schools' official PE uniform and school ID.
- Participating schools are allowed to bring other student-spectators aside from the contestants and alternates provided the list of names of additional students is forwarded to the TIP-QC Math & Physics Department on the scheduled date. Non-contestants shall wear the official school uniform and ID.

MECHANICS OF THE GAME

The competition shall be conducted in one day with two parts namely: the elimination round and the final round.

Part I: Elimination Round

1. A written qualifying exam will be given to the five members of the participating school.
2. The exam is consist of 50 multiple choice items, covering the topics in high school Physics.
3. The average of the students' scores per school will be computed. The top 30 schools will continue to compete for the physics challenges in the final round.
4. In case of a tie, the individual scores of each member will be considered in determining the school that will qualify to the final round.

Part II: Final Round

1. Each challenge is divided into three parts: the pre-activity, activity proper, and post activity.

Pre-activity time	- Activity card and materials are given to each team. - The game master reads the challenge while the mechanics is being flashed on the white screen. - Contestants must inform the assigned proctor if the set of given materials is incomplete. - Participants can raise point of clarification during this time if there's any. - Students are NOT allowed to start the activity yet.
Activity Proper	- The first long ring of the buzzer signals the start of the challenge. - The contestants must strictly follow the provisions indicated in the activity card. - The second long ring of the buzzer indicates that the time is up. The participants should already be "hands-off" on their output.
Post Activity	- Checking of outputs. The assigned proctor for each team will assess the output of the team. - A scorecard that corresponds to the points earned by the team will be raised. *Note: The team's output must satisfy each condition to acquire the maximum points allotted to each challenge. Scoring will stop once a certain condition is not met. For example:* *Condition 1: 5 pts* *Condition 2: 5 pts* *Condition 3: 5 pts* *If condition 1 is met but not condition 2, condition 3 will no longer be considered and the recorded score will be 5 points.*

2. The challenges require less computation and are more focused on the applications of physics concepts.
3. The physics challenges shall consist of three levels: easy, average, and difficult.
4. The physics challenges shall consist of 9 practical challenges; three challenges per level. A rubric for each challenge will be given as basis of scoring.
5. A two-minute substitution is allowed at the end of each round.
6. Below is the distribution of challenges in each level with their corresponding points.

Round	Points Per Challenge	Number Of Practical Challenges	Maximum Score For Each Level
Easy	5	3	15
Average	10	3	30
Difficult	15	3	45
		Maximum Total Score =	90

7. Objections or questions must be addressed to the judges. The decision of the judges will be final and irrefutable.
8. In case of a tie, the average time to complete all the tasks will be the deciding factor. For this reason, the time to complete each task is recorded by the proctor and countersigned by one of the participants after every challenge. Hence, the team with the least average time will be declared winners.
9. The organizers have the prerogative to modify the rules and regulations of the competition as needed.
10. The top three teams will be ranked first, second and third place respectively and will receive the following prizes.

First Place	- 100% tuition fee discount for 1 semester*, TIP medals, certificate and cash prize of P3000
Second Place	- 100% tuition fee discount for 1 semester*, TIP medals, certificate and cash prize of P2000
Third Place	- 75% tuition fee discount for 1 semester*, TIP medals, certificate and cash prize of P1000

** The tuition fee discount is non-transferable and non-refundable. The winners should avail the tuition fee discount on the first semester of the school year 2011 – 2012.*

11. Winners will be announced during the awarding ceremony.