MEMORANDUM TO:

OIC-Office of the Assistant Schools Division Superintendent
Chief Education Supervisors, CID and SGOD
Secondary School Principals
Officers-in-Charge
Public Schools

August 2, 2019

14th ANNUAL OlymPHYSICS

Attached is a letter from Engr. Arturo O. Sudlon Jr., Admissions and Marketing Officer dated July 26, 2019 re: 14th Annual OlymPHYSICS Competition on September 27, 2019, 8:00 am to 5:30 pm at the TIP-QC Congregating Area, content of which is self-explanatory, for information.

Wide dissemination of this Memorandum is desired.

For:

JOEL T. TORRECAMPO
Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent

By:

ELISA G. CERVEZA
Chief Education Supervisor, CID
Officer-In-Charge
Office of the Assistant Schools Division Superintendent
OIC- Office of the Schools Division Superintendent

Maka-Diyos, Makatao, Makalikasan at Makabansa
26 July 2019

Dr. Joel T. Torrecampo
OIC-Schools Division Superintendent
Division Office of Marikina City

Dear Sir;

The Mathematics and Physics department in cooperation with the Admissions and Marketing Office of the Technological Institute of the Philippines Quezon City will hold its 14th Annual OlymPHYSICS Competition on September 27, 2019 at the TIP-QC Congregating Area from 8:00 am to 5:30 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 grade 12 senior 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, olymphysics@gmail.com or call us at telephone numbers 9110964 local 305 or 9117199 and look for Engr. Arturo O. Sudlon Jr.

Truly yours,

Admissions and Marketing Officer
25 July 2019

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 Math & Physics student organization of TIP-Quezon City, will hold its 14th Annual TIP-QC OlymPHYSICS.

This year's competition focuses on the challenges related to all physics concepts covered in Grade 12 senior high school. Participants of this activity are the interested feeder grade 12 senior high schools from the Divisions of Quezon City, Marikina City, Antipolo City, Pasig City, Caloocan City and Rizal. This activity aims to develop critical thinking, creativity and teamwork among participants through practical and fun Physics challenges.

In lieu with this, we warmly invite you to send a team of six (6) Grade 12 senior high school 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 27, 2019 from 8:00 am to 5:30 p.m. at the TIP-QC Congregating Area. Registration starts at 7:00 am. You may confirm your attendance on or before September 25, 2019.

Attached are the description, general rules and mechanics of the said competition. For inquiries feel free to contact us at 911-09-64 local 369 and look for Dr. Ariel H. Magat or Prof. Mary Rhoda M. Lailo. You may also email us at olymphysics@gmail.com or olymphysics@yahoo.com.

Respectfully yours,

Dr. Ariel H. Magat  
Math & Physics Department Head

Admissions and Marketing Officer
14th OlymPHYSICS

PROGRAMME

7:00-8:00am.......................... Registration

8:00-9:00am............................ Campus Tour

9:00-11:30am.......................... Elimination Round (QUIZ BEE)

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

12:30-4:30pm.......................... Final Round (CHALLENGE ROUND)

4:30-5:30pm............................. Awarding Ceremony

www.tip.edu.ph

TECHNOLOGICAL INSTITUTE OF THE PHILIPPINES
Quezon City

MATHMATICS & PHYSICS DEPARTMENT

14th OlymPHYSICS
September 27, 2019
Congregating Area, T.I.P.-Quezon City
7:00 am – 5:30 pm

ABSTRACT COMBINATION WITH EMOTIONAL QUOTIENT
olymphysics@yahoo.com /olymphysics@gmail.com
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 four official contestants and two alternate students to be accompanied by a teacher-coach. The contestants shall be grade 12 senior high school (SHS) 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 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 (QUIZ BEE)

1. Each school will be represented by a team composed of four (4) members. Questions will be based on topics in Grade 12 SHS Physics.
2. The quiz bee will be composed of 30 questions with varying difficulty. The distribution of questions and their corresponding scores are shown on the table above.

<table>
<thead>
<tr>
<th>Round</th>
<th>Points Per Question</th>
<th>Number Of Quiz Bee Questions</th>
<th>Score For Each Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy</td>
<td>1</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Average</td>
<td>2</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Difficult</td>
<td>3</td>
<td>5</td>
<td>15</td>
</tr>
<tr>
<td>Total Score = 45</td>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

3. Each team will be provided with a board, marker, scratch papers & pencils. Each team shall bring their own scientific calculator.
4. The quiz master shall read the question twice before the timer starts. Each question in the easy round is good for 30 seconds; average round for 45 seconds and difficult round for 60 seconds.
5. Questions will be projected on a wide screen. The students may start solving the given problem while the Quiz Master is still reading the question. The students should raise their boards and markers once the allotted time for a given item has elapsed.
6. After the allotted time has ended for a given item, the Quiz Master will give a cue for the marshals to raise their flags. A yellow flag means that the team got the correct answer while a black flag corresponds to an incorrect answer. The marshals assigned to each team will record the scores of the team.
7. The Quiz Master will recap the total scores of each team at the end of each round. The Top 30 schools will be chosen to advance to the challenge round.
8. In case of a tie, tie-breaker questions will be given to the concerned teams until the tie has been resolved.
9. Alternate members are only allowed to participate during the final round.

Part II: Final Round (CHALLENGE ROUND)

1. This round consists of nine (9) challenges that are focused on the topics in grade 12 SHS Physics.
2. Each team will be provided with a working table at the P.E. Center 1. Evaluation will be done after each task by the assigned proctor. All the challenges per category require less computation and are more focused on the applications of physics concepts.

<table>
<thead>
<tr>
<th>Round</th>
<th>Points Per Challenge</th>
<th>Number Of Practical Challenges</th>
<th>Maximum Score For Each Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Easy</td>
<td>5</td>
<td>3</td>
<td>15</td>
</tr>
<tr>
<td>Average</td>
<td>10</td>
<td>3</td>
<td>30</td>
</tr>
<tr>
<td>Difficult</td>
<td>15</td>
<td>3</td>
<td>45</td>
</tr>
<tr>
<td>Maximum Total Score = 90</td>
<td></td>
<td></td>
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</tbody>
</table>

4. Additional 2 points will be earned by each team if they can identify the Physics principle demonstrated in each challenge. The principle must be written on the provided slate board within the allotted time for activity proper.
5. Objections or questions must be addressed to the judges before the start of the next challenge. The decision of the judges will be final and irrefutable.
6. 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.
7. The organizers have the prerogative to modify the rules and regulations of the competition as needed.
8. The top three teams will be ranked first, second and third place respectively and will receive the following prizes.

<table>
<thead>
<tr>
<th>First Place</th>
<th>- 100% tuition fee discount for 1st year college*, TIP medals, certificate and cash prize of P30000 and OlymPhysics' trophy</th>
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</thead>
<tbody>
<tr>
<td>Second Place</td>
<td>- 100% tuition fee discount for 1st year college*, TIP medals, certificate and cash prize of P20000</td>
</tr>
<tr>
<td>Third Place</td>
<td>- 75% tuition fee discount for 1st year college*, TIP medals, certificate and cash prize of P10000</td>
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*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 2020–2021.

9. Winners will be announced during the awarding ceremony.