

WELCOME!

We look forward to your school's participation at the NJAAPT sponsored "NJ Physics Olympics" to be held on Saturday, January 14th, 2017 at Monmouth Regional High School. The competition is a lot of fun and your students will meet, share experiences, and compete with other students from various parts of New Jersey.

In order to participate you must complete the attached **registration form** and send your check within the deadline prescribed. Rules & directions can be obtained by **e-mailing the event organizers at jvalente@ctemc.org**. You can also request that your team be mailed the complete rules for the competition and directions to the event. The **fee of \$35.00 per team** helps defray the cost of postage, supplies, trophies and donuts. IOU's will be accepted in the case where school checks cannot be sent in time. No purchase orders can be accepted. The fee will be reduced to **\$25.00 per team** if the team registers by **December 15, 2016**. Each team may have up to six members.

Each high school must have **at least one faculty member** accompanying the team who will be asked to help judge one of the events. More than one faculty member will be welcomed. **We could really use the help.**

On the day of the Olympics, plan on arriving for the final registration between 8:00 am and 9:00 am. **The first event begins at 9:00am.** The day's activities should **conclude around 2:30pm.**

You may bring your own **box lunches**. The cafeteria will not be open. Morning refreshments will be served (coffee, tea, juice, bagels and donuts). Please note that there are no restaurants walking distance from the school. You may arrange to have pizza/subs delivered.

Since there are a maximum number of teams that we will be able to handle, we may have to ask for a multiple team school to only send one team. Should this happen we will notify you by January 7, 2017. Fees for eliminated teams will be refunded.

EVENT GOALS

PLEASE NOTE: *The following are only brief descriptions of each event. Full rules, competition scoring procedures, and the scoring formula can be obtained at jvalente@ctemc.org*

- **FERMI QUESTION** - To estimate the order of magnitude of a quantity that is difficult or impossible to measure.
- **Target Drop** - To predict the landing point of a ball launched horizontally from a **tabletop**.
- **Lightest Support Tower**- To build the lightest tower that can support a 1 kg mass.
- **Egg Throw**- To surround an egg with a device that will allow the egg to be thrown towards a wall, without breaking, resulting in the greatest bounce distance.
- **Penny Bridge**- To design and build a bridge constructed solely of pennies.
- **Pringles Event**- To design the smallest container that will enable two Pringles chips to be sent through the U.S. Mail without damage.

Updates to the rules and frequently asked questions with answer are available by e-mailing the event organizers at:

jvalente@ctemc.org

It is the team's responsibility to periodically inquire about changes and clarifications to the rules.

Awards

Six First Place Trophies

One for the highest score in each of the six events.

One Third Place Overall Trophy

To the team with the third highest overall score in all six events.

One Second Place Overall Trophy

To the team with the second highest overall score in all six events.

One First Place Overall Trophy

To the team with the highest overall score in all six events.

The NJ PHYSICS OLYMPICS SILVER SERIAL BOWL

The first place trophy team will also receive the NJ Physics Olympics Serial Bowl. The name of the winning team's school will be engraved on the bowl and that school will proudly display it in their school's trophy case until the 2018 Physics Olympics.

REGISTRATION FORM

To register, complete and return this form with a \$25.00 check for each team entered by December 15, 2016 (6 members per team).

Late registration is \$35 per team after December 15, 2016.

Rules & directions can be obtained by e-mailing the event organizers at:

jvalente@ctemc.org

You can also request that your team be mailed the rules for the competition and directions to the event.

School _____

Name: _____

School Address: _____

Teacher's Name(s): _____

School Phone: _____

Home Phone: _____

EMAIL: _____

Number of Teams: _____

Total Value of check: _____

You may obtain a mailed paper copy of the rules by emailing the event organizers at

jvalente@ctemc.org.

Make checks payable to the "NJAPT" and mail to:

John Valente
Marine Academy
BLDG. #305
Mast Way
Sandy Hook, NJ 07732

\$25 per team postmarked by 12/15/16

\$35 per team postmarked after 12/15/16

FOR FURTHER INFO

If you need further information on the NJ Physics Olympics, please contact John Valente in one of the following ways:

MAIL: M.A.S.T.
BLDG. 305
Sandy Hook, NJ 07732

EMAIL: jvalente@ctemc.org

COMMITTEE

NJAAPT Executive Board Members

**The
New Jersey Section of the**

**AMERICAN
ASSOCIATION
OF
PHYSICS TEACHERS**

Invites you and your school to the

**2017 NEW JERSEY
PHYSICS OLYMPICS**

on

**Saturday
January 14th, 2017**

at

**Monmouth Regional
High School
Tinton Falls
New Jersey**

Outline of this year's events with registration form and deadlines are inside.