



## Quezon City Science Community (QCSC) NSTW Celebration

Sub-theme: *“Juan Science, One Disaster Resilient Nation”*.

Title of Activity: **WEATHER OBSERVATION CONTEST**

Date: July 28, 2016 (Thursday)

Time: 9:00AM – 4:00PM

Venue: PAGASA Science Garden, Agham Road, Barangay Central, Quezon City

Rationale: To familiarize the youth with the weather observation techniques and procedures, by exposing them to the specialized skills of weather observers;

To discover the youth’s ability/skills as regard to the use of basic instruments essential to the generation of raw data and information and ultimately important ingredients in weather forecasting;

To promote the science of meteorology, understand the climate patterns and to inspire the youth to pursue a career in weather forecasting.

### Contest Mechanics:

1. The contest is open to Grade 9 and 10 students (or 3<sup>rd</sup> and 4<sup>th</sup> year level HS) both from public and private schools:
2. 1 tandem (2 participants) from each school or a total of 10 tandems will be selected on a first-come, first-served basis. Qualified challengers will be notified accordingly;
3. Observation and Coding will run for 20 minutes only. Though they are allotted with 20 minutes to do the required tasks, it is imperative that they complete it on the shortest reasonable time. Timeliness is an important criterion in judging the challengers.

The contest will be divided into 2 sessions:

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| <p>Session A<br/>July 27, 2016<br/>Amihan Conference Room/Training Room<br/>9:00AM – 4:00PM<br/>.</p> | <p>A one-day lecture consists of introduction to the basic knowledge of weather observation and the use of basic weather instruments. The basic instruments that would be oriented to the challengers are thermometer, rain gauge, wind indicator, barometer and evaporation rate measuring pan.</p> |
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|  | <p>In addition they would also be briefed on the coding system of observed parameters.</p> <p>The latter part of the session would be the actual observation of the different weather parameters like wind direction and speed, rainfall, temperature, atmospheric pressure, humidity and cloud coverage.</p> <p>Further, instructions on the operations of newly acquired high technology weather instruments of PAGASA like the Wind Profiler Radar, Automatic Weather Station (AWS) and Automatic Rain Gauge (ARG) would be dispensed to the challengers.</p> <p>The complete weather observation process will be discussed extensively.</p> |
| <p>Contest Proper<br/>July 28, 2016<br/>8:00 A.M. – 10:00 A.M.</p> | <p>The challengers would be divided into two (2) batches. They will draw lots to determine which batch they belong.</p> <p>Batch A composed of 5 tandems (10 participants) will start the weather observation at 8:30AM to 8:50AM or for a total of 20 minutes</p> <p>Batch B will start the weather observation at 9: 30AM up to 9:50AM or a total of 20 minutes.</p>  |

**JUDGING CRITERIA:**

- **Timeliness – 30%**  
(Promptness in the provision of weather data is an important ingredient of a quality weather observation. The contestant must be able to submit the coded weather observation report concisely meeting the required 10-minute period of observation as per WMO guidelines and procedures in weather observation.)
- **Skills/Accuracy – 50%**  
(A complete weather observation shall be judged based on its accurateness & completeness.)
- **Diligence and care on the use of weather instrument – 20%**  
(Due care in the use of instruments and neatness in the presentation of weather observed data significantly contributes in attaining a well-understood and effective weather observation.)

**TOTAL – 100%**

The decision of the Board of Judges is final and executory.

**The deadline for the submission of application form is on July 22, 2016, 5:00PM.**

Interested participants may email the application forms to **piias@pagasa.dost.gov.ph** or **vr\_valdemoro@yahoo.com / venusvaldemoro.ph@gmail.com.**

For further details, please contact **Ms. Venus R. Valdemoro** of the PAGASA Public Information Unit at telefax numbers **927-9308** or **434-2696.**