

Regional Advisory No. 00, s. 2022  
January 24, 2022

In compliance with DepEd Order (DO) No. 8, s. 2001,  
this advisory is issued not for endorsement per DO 28, s. 2001,  
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### PHILIPPINE NATIONAL CHEMISTRY OLYMPIAD 2022

The Philippine Federation of Chemical Societies (PFCS) in partnership with Integrated Chemists of the Philippines (ICP) and the Kapisanang Kimika ng Pilipinas (KKP) Region XIII will be holding the Regional Chemistry Olympiad 2022. The regional eliminations for Caraga will be on February 5, 2022. To discuss the technicalities and guidelines of the contest, a meeting with the coaches will be conducted on February 2, 2022.

Top five (5) scorers will qualify to the National Chemistry Olympiad Finals on March 12, 2022. National winners will then have the opportunity to represent the Philippines in the International Chemistry Olympiad (IChO).

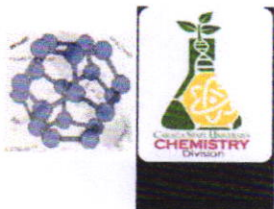
With this, each school may send a maximum of three (3) students/ participants currently enrolled in Grade 11 or lower (JHS), and a mentor/coach to join the regional eliminations. Schools Division Offices, through the Program Supervisors/Coordinators in Science are advised to disseminate the information in the attached invite letter, and guidelines.

CLM/khzs  
01/24/2022



2022-01-0760

DCC No. DepEdRO13-F-REC-008/R3/2-18-2020



**PHILIPPINE NATIONAL CHEMISTRY  
OLYMPIAD 2022  
Region XIII Caraga**



January 19, 2022

**The School Principal**

Dear Sir/Madame:

Greetings from the ICP-KKP Region X/BARMM/Caraga Chapter!

The Integrated Chemists of the Philippines (ICP) and the Kapisanang Kimika ng Pilipinas (KKP) are two national organizations of professional chemists, chemical technicians, and chemistry practitioners. The Philippine Federation of Chemical Societies (PFCS) in partnership with ICP- KKP Region XIII will be holding the **Regional Chemistry Olympiad 2022**. The Olympiad is conducted with the hope of: (1) promoting excellence in Chemistry among the young; (2) promoting Chemistry as a profession; and (3) serving as a venue for discovery of talents that can represent the country in international Chemistry competitions.

For this year, with the ongoing hurdle against the pandemic, the **REGIONAL ELIMINATIONS** will be held in an **online platform** across the country coordinated by a National Committee through the PFCS network (mainly through PACT, KKP, ICP regional chapters). For Region XIII, the elimination exam will be on **February 05, 2022**. To discuss the technicalities and guidelines of the contest, a meeting with the coaches will be conducted on **February 02, 2022**.

The **top five (5)** scorers will qualify to the National Chemistry Olympiad Finals on **March 12, 2022**. National winners will then have the opportunity to represent the Philippines in the **International Chemistry Olympiad (IChO)**.

In this regard, we are inviting your school to send a maximum of **three (3) students/participants** currently enrolled in **Grade 11 or lower (Junior High)** and a mentor/coach to join in the Regional Eliminations. Attached herewith are the guidelines of the competition. We are giving out e-certificates for all participants and coaches. Lastly, **NO REGISTRATION FEE** is required to join the regional eliminations.

For the registration, kindly click the link below:

[Registration Link Here](#)

We hope that this letter merits your attention despite the short notice. We are looking forward to hearing from you soon.

Sincerely yours,

(sgd)

**Mark Anthony M. Lavapie, MSc, RCh**  
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Region XIII Caraga Coordinator  
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## REGIONAL CHEMISTRY OLYMPIAD 2022 GUIDELINES

### A. The Contestants

1. All participating schools must confirm their attendance on or before **January 31, 2022**. Please confirm by calling, texting, or sending an e-mail to the Region X coordinator and/or fill in the registration form ([Click Here](#)).
2. Each school shall send at most three (3) students, all of whom must be in **GRADE 11 or lower** at the time of the contest. He/she must still be in junior/senior high school during SY 2022-2023. The coach must also be employed in the same school.

### B. Coverage

1. The contest questions include topics from General Chemistry, basic Organic Chemistry and basic Biochemistry.
  - Atomic Theory
  - The Periodic Table
  - Trends in Periodic Properties
  - The Mole
  - Stoichiometry
  - Chemical Bonding
  - Ionic and Covalent Compounds
  - Acids and Bases ( $\text{pH}$ ,  $K_a$ ,  $K_b$ )
  - Chemical Equilibria
  - Classes of Chemical Reactions
  - Chemical Kinetics
  - Precipitation Reactions ( $K_{sp}$ )
  - Oxidation-Reduction Reactions
  - Enthalpy
  - Entropy
  - Free Energy
  - Calorimetry
  - Atomic and Molecular Orbitals
  - Orbital Hybridization
  - Molecular Geometry
  - Lewis Structures
  - Gas Laws
  - Intermolecular Forces
  - Phase Diagram
  - Concentrations of Solutions
  - Colligative Properties
  - Electrochemistry
  - Nuclear Chemistry
  - Classes of Organic Compounds
  - Functional Groups
  - Organic Reaction Mechanisms
  - Organic Spectroscopy (H-NMR, C-13 NMR, IR, Mass Spec)