



Republic of the Philippines
Department of Education
REGION VII – CENTRAL VISAYAS
Schools Division OF NEGROS ORIENTAL

Office of the Schools Division Superintendent

DIVISION MEMORANDUM

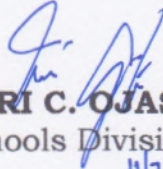
No. 811 s. 2023

NOV 8 2023

**DISSEMINATION OF THE COMMUNICATION FROM THE PHILIPPINE
ASSOCIATION OF CHEMISTRY STUDENTS, INC. (PACS, Inc.)**

To: Assistant Schools Division Superintendents
Chiefs, CID and SGOD
Public Schools District Supervisors/District In-Charge/District Caretaker
Public Elementary & Secondary School Heads
All Others Concerned


1. This office disseminates the communication from the Philippine Association of Chemistry Students, Inc (PACS, Inc.) on its Junior Chemistry Congress (JCC) 2023 with the theme “RECALIBRATE: Revitalizing Chemical Knowledge Through Innovation” on November 11-12, 2023 at University of the Philippines Los Baños.
2. Please see attached communication for more details and for the mechanics of the activity.
3. Immediate and wide dissemination of this **MEMORANDUM** is desired.



NERI C. OJASTRO EdD, CESE
Schools Division superintendent


NCO/JMA-MKP-NLR/CID-NLR/ARJ/ching
November 7, 2023



Address: Kagawasan Avenue, Capitol Area, Daro, Dumaguete City
Telephone Nos.: (035) 225-2838 / 225-2376 / 422-7644

 DepEd TAYO SDO Negros Oriental

 negros.oriental@deped.gov.ph

 www.depednegor.net



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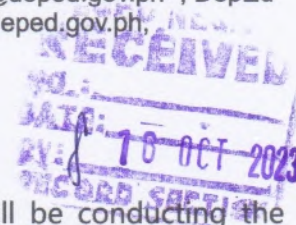
Request for Endorsement for A.Y. 2023-2024 Junior Chemistry Congress

1 message

VP Academic Affairs PACS, Inc. <pacs.vpacademics@gmail.com>

Fri, Oct 13, 2023 at 4:05 PM

To: region7@deped.gov.ph, DepEd Bohol <deped.bohol@deped.gov.ph>, cebu@deped.gov.ph, DepEd Negros Oriental <negros.oriental@deped.gov.ph>, siquijor@deped.gov.ph, bayawan.city@deped.gov.ph, bogo.city@deped.gov.ph, carcarcity.division@deped.gov.ph, DepEd Cebu City <cebu.city@deped.gov.ph>, danao.city@deped.gov.ph, DepEd Guihulngan City <guihulngan.city@deped.gov.ph>, DepEd Dumaguete City <dumaguete.city@deped.gov.ph>, deped lapulapu <deped.lapulapu@deped.gov.ph>, DepEd Mandaue City Division <mandaue.city001@deped.gov.ph>, DepEd Tagbilaran City Schools Division <tagbilarancity.division@deped.gov.ph>, talisaycity.division@deped.gov.ph, toledo.city@deped.gov.ph



Greetings of peace!

The **Philippine Association of Chemistry Students Incorporated (PACS, Inc.)** will be conducting the Junior Chemistry Congress with the theme "**RECALIBRATE: Revitalizing Chemical Knowledge Through Innovation**" on **November 11-12, 2023**, which aims to promote the chemical sciences to high school students.

To reach more students, **we request your help in promoting our event to different high schools within your jurisdiction.** We will also be willing to accept any contact details you can provide so that the organization can reach out to the institutions personally.

For more details regarding Junior Chemistry Congress, please see the attached **request letter of endorsement, program and guidelines, and organizational profile.** Should you have any clarifications or concerns, do not hesitate to reply to this email.

We are looking forward to your kind response. Thank you and God Bless!

Regards,

Reinne Justinne U. Dianko

Vice President for Academic Affairs

Philippine Association of Chemistry Students, Inc.

rjudianko2020@plm.edu.ph

+639999608488

Xhandra Mae C. Araos





President

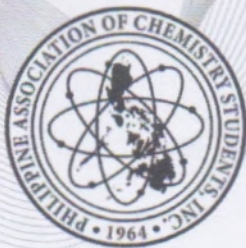
Philippine Association of Chemistry Students, Inc.

xcaraos@up.edu.ph

+639955879683

4 attachments

-  **Organizational Profile.pdf**
1005K
-  **JCC 2023 Program Design.pdf**
1251K
-  **JCC 2023 Guidelines and Mechanics.pdf**
1375K
-  **Request Letter for Endorsement DEPED VII.pdf**
1176K



PACS, Inc.

Philippine Association of Chemistry Students, Inc.

PRIMARY ADDRESS

Unit 233 Cityland Pioneer 128 Pioneer St.
Highway Hills, Mandaluyong City

SECONDARY ADDRESS

Department of Chemical Engineering, College of Engineering
and Agro-Industrial Technology, University of the Philippines
Los Baños

13 OCTOBER 2023

SALUSTIANO T. JIMENEZ

Regional Director
Department of Education VII
Sudlon, Lahug, Cebu City

Dear Mr. Jimenez:

Greetings!

The **Philippine Association of Chemistry Students Incorporated**, otherwise known as PACS, Inc. is a national, non-stock, non-profit organization geared towards the awareness and improvement of chemistry in the Philippines. In the 59 years since it was established, the organization remains true to its pursuit of academic advancement in the chemical sciences, scientific excellence, and socio-cultural involvement. In line with its undertaking to contribute to Philippine society, PACS, Inc. serves as the student arm of an umbrella organization, Philippine Federation of Chemistry Societies (PFCS). Today, PACS, Inc. houses more than 1,000 members from its affiliate organizations nationwide.

Pursuant to its goals, PACS, Inc. will be holding the **Junior Chemistry Congress (JCC) 2023** with the theme "**RECALIBRATE: Revitalizing Chemical Knowledge Through Innovation**" on **November 11-12, 2023** at **University of the Philippines Los Baños**. JCC is a two-day event comprising four sub-events: a research competition (**PACSiyensya Jr.**), a quiz bee competition (**PACSiklaban Jr.**), symposium (**PACSymposium Jr.**), and a video competition and educational meme-making contest (both under **TumPACS Jr.**). The primary objective of JCC is to be an avenue for the promotion of Chemistry and other related fields as a potential career path for high school students.

In hopes to boost the Junior Chemistry Congress 2023, we *humbly request for your help in promoting the event to high schools within your jurisdiction*. If feasible, you may provide us a directory that could facilitate a direct communication with them. Rest assured that any information you will give us shall only be used for the purpose that it may serve in compliance with the RA 10173 or the Data Privacy Act of 2012.

For further details of the event, attached are the program flow, event guidelines, and the organizational profile.

Should you have any queries, please contact us via SMS at **0999 960 8488** or via email at pacs.vpacademics@gmail.com.

We look forward to your favorable response. Thank you!

Regards,

Reinne Justinne U. Dianko
Vice President for Academic Affairs, AY 2023-2024
Philippine Association of Chemistry Students, Inc.

Noted by:

Xhandra Mae C. Araos
President, AY 2023-2024
Philippine Association of Chemistry Students, Inc.



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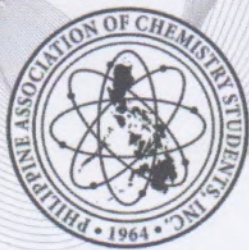
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Los Baños

ORGANIZATIONAL PROFILE

The Philippine Association of Chemistry Students Incorporated (PACS, Inc.) is a strong and dynamic national student organization of proactive and conscientious Filipino Chemistry students committed to upholding excellence in the study and application of chemistry, which is responsive to the needs of the nation. Its population is composed of undergraduate chemists, biochemists, chemical engineers and other professions tied together by the chemical sciences.

Since its establishment in 1964, PACS, Inc. continues to promote the advancement and application of science, particularly chemistry, to all Filipino students through spearheading various projects and activities aimed towards increased competence in chemistry, scientific excellence, and socio-cultural awareness. It now houses more than 1000 individual members and alumni from its 19 different affiliate organizations nationwide, and its two (2) chapters - PACS Visayas and PACS Mindanao.

With similar endeavors, PACS, Inc. also serves as the student arm of the Philippine Federation of Chemistry Societies (PFCS), an umbrella organization founded in 1988 to reach and provide service to professional chemists, chemical technicians, educators, students, and professionals in the allied disciplines.



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Los Baños

JCC

JUNIOR CHEMISTRY CONGRESS 2023

PROGRAM DESIGN

I. Overview

Through its 59th year, the Philippine Association of Chemistry Students kicks off with the launch of the Junior Chemistry Congress 2023 with the theme **“RECALIBRATE: Revitalizing Chemical Knowledge through Innovations”**. As the years go on, Junior Chemistry Congress (JCC) continues to envision Filipino youth driven to excel in the field of Chemistry. This vision is reached by cultivating young minds through the JCC’s original four (4) sub-events – PACSymposium Jr., PACSiyensya Jr., TumPACS Jr., and returning the PACSiklaban Jr. as ceased by the pandemic during the previous years. This association year, PACS, Inc. will go face-to-face, online and blended to embrace the new normal we are in.

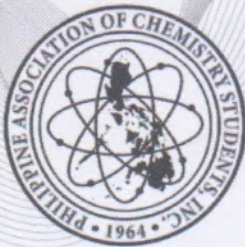
II. Sub-events

A. PACSiyensya Jr.

PACSiyensya Jr. screens young researchers in hopes of searching for the most promising and innovative investigatory project. Those student hopefuls will be screened by well-versed researchers and professionals in various fields. As we approach back to the face-to-face set-up, the students may expect to learn new things and interact with their co-student researchers forming a camaraderie linked by chemistry.

B. PACSiklaban Jr.

PACSiklaban Jr. is a quiz bee competition that serves as a venue for high school students all over the country to showcase their knowledge in chemistry in the spirit of sportsmanship and competitiveness. Every year before the pandemic, students are challenged on questions and problems



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in the field of chemistry to gauge the extent of their aptitude in the chemical sciences. This year, we will be bringing back the PACSiklaban Jr. at a full face-to-face set up with its original guidelines updated to the current times.

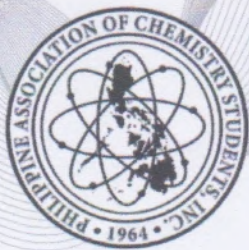
C. TumPACS Jr.

TumPACS Jr. aims to promote scientific knowledge regarding chemistry through social media and the internet. The sub-event aims for the students to utilize creative thinking on a certain chemistry topic and is generally divided into two mini-events: (1) Video-making and (2) meme-making.

1. Video-making - This aims to showcase the knowledge of high school students in different topics in the field of chemistry through making informative videos.
2. Meme-making - A mini-event launched last association year that aims to showcase the knowledge of high school students in different branches of chemistry in a fun, light and informative way.

D. PACSymposium Jr.

PACSymposium Jr. gathers high school students from across the nation and engages them in a series of knowledge-packed talks from different fields related to chemistry - the academe, the industry and the research and development. Along with the theme of this year's JCC, PACSymposium Jr. aims to open career pathways and to offer a wide array of opportunities under the discipline of chemistry. This will be implemented by having talks from the speakers about the role of chemistry in academe, industry and research as a means to activate the young Filipino scientists for a brighter tomorrow.



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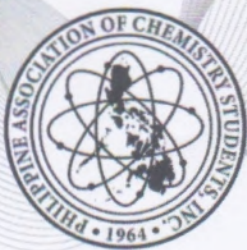
III. Program Flow

Event: PACSiyensya Jr. and PACSiklaban Jr.

Date: November 11, 2023

Time: 8:00 AM

Time	Event	Persons Involved	Notes and Necessary Information
8:00 – 9:00 AM	Participants' call time and Validation of registrations, Setting and Mounting of Posters	Membership committee, participants	
9:00 – 9:05 AM	Event Opening/ Introductory Host Spiels	Hosts	
9:05 – 9:10 AM	Opening Remarks	Ms. Xhandra Mae C. Araos	
9:10 – 9:20 AM	Panelist Introductions	Hosts	
9:20 – 9:30 AM	Reading of Mechanics and Guidelines	Hosts	
9:30 – 10:15 AM	Exhibit and Prejudging of posters	Participants and panel	
10:15 – 10:25 AM	Deliberation for Top 5 research entries	Panel and participants	
10:25 – 11:55 PM	Oral Presentation of Top 5 Participants	Panel and participants	Each group will be given 7 7 minutes to present and 10



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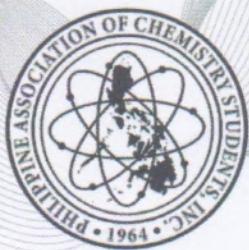
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			minutes for the quotations for a total of 17 mins per group.
11:55 - 12:00 PM	Awarding of Certificates and tokens for the panel	Panel, PACS, Inc. President, PACS, Inc. VPAA	
12:00 - 1:00 PM	Lunch Break		
1:00 - 1:10 PM	Call time for PACSiklaban Jr. participants	Participants	
1:10 - 1:15 PM	Host spiels	Hosts	
1:15 - 1:25 PM	Board of Judges Introduction	Hosts	
1:25 - 1:35 PM	Reading of Mechanics and Guidelines	Hosts	
1:35 - 3:40 PM	PACSiklaban Jr. Contest Proper	Participants, Board of Judges, quiz master	The results will be formally addressed on JCC Day 2 awarding ceremony
3:40 - 3:50 PM	Awarding of certificate and tokens for the Board of Judges	Panel, PACS, Inc. President, PACS, Inc. VPAA	
3:50 - 3:55 PM	Photo Ops	Technical	
3:55 - 4:00 PM	Closing Remarks	Mr. Reinne Justinne U. Dianko	
4:00 - onwards	Program Closing		



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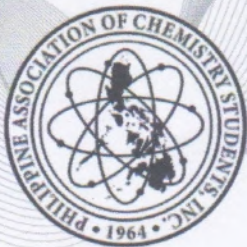
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Event: PACS Symposium Jr., and Awarding Ceremony for the sub-events

Date: November 12, 2023

Time: 8:00 AM

Time	Event	Persons Involved	Notes and Necessary Information
8:00 – 9:30 AM	Participants call time and on-site registration	Membership committee	
9:00 – 9:30 AM	Opening of Zoom Meeting Room	Technical Committee	
9:30 – 9:40 AM	Introductory Host Spiels	Hosts	
9:40 – 9:45 AM	Opening Remarks	Ms. Xhandra Mae C. Araos	
9:45 – 9:50 AM	Introduction of Speaker 1	Hosts	
9:50 – 10:35 AM	Speaker 1 (RnD/ Academe/ Industry)	Speaker	
10:35 – 10:50 PM	Open Forum for Speaker 1	Participants/ Speaker	
10:50 – 10:55 AM	Awarding of Certificate and Token	PACS, Inc. Pres., VPAA, Speaker	
10:55 – 11:00 AM	Photo Ops	Technical Committee	



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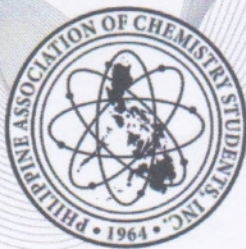
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11:00 - 12:00 PM	Lunch Break		
12:00 - 12:05 PM	Introduction of Speaker 2	Hosts	
12:05 - 12:50 PM	Speaker 2 (RnD/ Academe/ Industry)	Speaker	
12:50 - 1:05 PM	Open Forum for Speaker 2	Participants/ Speaker	
1:05 - 1:10 PM	Awarding of Certificate and Token	PACS, Inc. Pres., VPAA, Speaker	
1:10 - 1:15 PM	Photo Ops	Technical Committee	
1:15 - 1:30 PM	Icebreaker/ Intermission	Membership Committee	
1:30 - 1:35 PM	Introduction to Speaker 3	Hosts	
1:35 - 2:20 PM	Speaker 3 (RnD/ Academe/ Industry)	Speaker	
2:20 - 2:35 PM	Open Forum for Speaker 3	Participants	
2:35 - 2:40 PM	Awarding of Certificate and Token	PACS, Inc. Pres., VPAA, Speaker	
2:40 - 2:45 PM	Photo Ops	Technical Committee	



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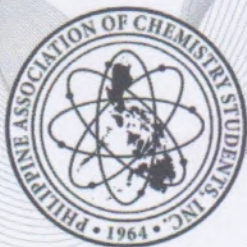
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2:45 – 3:15 PM	Awarding Ceremony for PACSiyensya Jr., TumPACS Jr. meme-making and video-making, PACSiklaban Jr.	Hosts, PACS, Inc. Pres., VPAA	
3:15 – 3:20 PM	Closing Remarks	Mr. Reinne Justinne U. Dianko	
3:20 – onwards	Photo Ops/ Program Closing		Evaluation form to be sent via email/ via QR code



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JUNIOR CHEMISTRY CONGRESS 2023

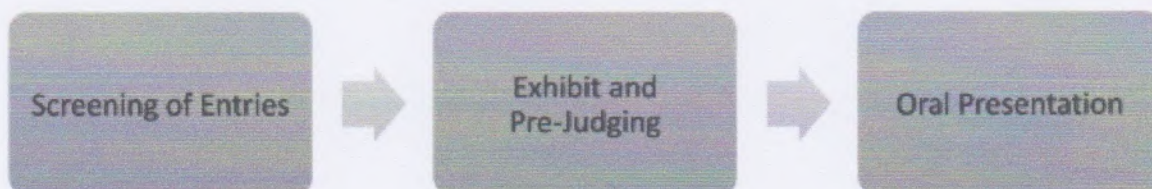
GUIDELINES AND MECHANICS

I. PACSiyensya Jr.

PACSiyensya Jr. screens young researchers in hopes of searching for the most promising and innovative investigatory project. Those student hopefuls will be screened by well-versed researchers and professionals in various fields. As we approach back to the face-to-face set-up, the students may expect to learn new things and interact with their co-student researchers forming a camaraderie linked by chemistry.

Guidelines for PACSiyensya Jr.

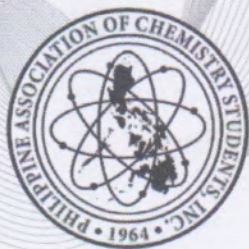
A. General Mechanics



PACSiyensya Jr. will be divided into three (3) general segments: (1) Screening of entries; (2) Exhibit and pre-judging and (3) Oral presentation, wherein the qualified participants will be presenting their submitted work and will be subjected to questioning.

B. Registration and Participants

1. The participants shall fill out an online registration form found at <https://forms.gle/rGxnc9pcqS8a7wJY8> on or before November 3, 2023, at 11:59 PM.
2. Participants will be classified as participants within Greater Manila Area (GMA) and outside GMA participants.



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- Participants within the Greater Manila Area (GMA) are required to attend the face-to-face event at the University of the Philippines Los Baños, and are expected to be at the event during the Junior Chemistry Congress Day 1 (November 11, 2023), at 8:00 AM for their onsite registration and preparation of exhibit posters. Note that the venue may be subject to changes and will be discussed in separate guidelines that are to be followed.
- Participants outside GMA will be addressed at the proceeding clauses and will be given the option to attend online if qualified for the oral presentation.
- Participants for the event, both face-to-face and online, will be asked for a registration fee and will be generally classified as stated. The registration fee for the face-to-face participants will be inclusive of the JCC kit, certificates of participation for the researchers and coaches, meals, and slot for the sub-event and PACSymposium Jr., while the registration fee for the online participants will include the certificates of participation for the researchers and coaches, printing fee for posters and slot for the sub-event and PACSymposium Jr. The table below shows the delegation of the fees:

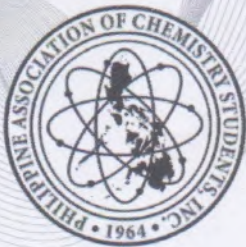
Face-to-face participants	Early registration rate (October 9 to October 20, 2023)	PHP 1000
	Regular registration fee (October 21 to 31, November 1 to 3, 2023)	PHP 1200
Online participants		PHP 750

- Registration fees must be settled via the following bank account or GCash:

Bank Name: LANDBANK

Account Name: XHANDRA MAE C ARAOS

Account Number: 1896405167



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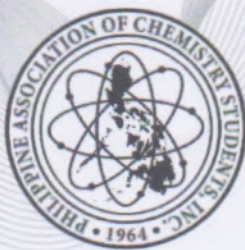
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GCash Name: XHANDRA MAE ARAOS

GCash Number: 09955879683

7. Once the payment for the event is received and submitted for registration, the fee collected is NON-REFUNDABLE and NON-TRANSFERABLE under all circumstances for the QUALIFIED participants. However, participants that are NOT QUALIFIED for the event will be given a REFUND. Submitting the form with the proof of payment attached means that the participant understands the term and condition for the registration fee.
8. No fees are to be collected for the onsite registration for the face-to-face participants, as the registration fee must be settled via the online registration.
9. During the event proper, face-to-face participants' information, including their names and their school, will be checked for confirmation. Participants must sign the form provided by the event facilitators as confirmation of their attendance. Participants will be given an ID card at the venue to acknowledge their onsite registration and for easier tracking.
10. Face-to-face participants must be in their complete uniform with their school ID and the provided JCC ID worn at all times.
11. Participants outside GMA qualified for the third stage of the sub-event (Oral presentation) will be catered via Zoom channel if face-to-face presentation is not feasible. However, they may attend the face-to-face event if they opt to. They must be in their respective Zoom channels 15 minutes prior to their presentation. Each participant will have a facilitator within their call for them to be assisted throughout the duration of the event.
12. Note that the Zoom meeting and online option are only applicable and valid for qualified outside GMA participants if there would be any. Within GMA participants qualified for the presentation must be present at the venue; otherwise, their registration and submission will be voided.



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C. Screening of Research Entries

1. Each research project should have been done within 2019 to present by an individual or by a group with a maximum of three (3) students under the supervision of their respective research adviser or coach. Failure to comply may lead to the disqualification of the participant.
2. Participating schools will be allowed to send at most one (1) research entry. Entries submitted for the previous PACSiyensya Jr. must not be submitted.
3. The submitted papers must be related to chemistry.
4. Participants must submit the full-length paper as well as the letter of authenticity in .pdf format via the registration form on or before November 3, 2023, at 11:59 PM. The template for the letter of authenticity may be accessed through this link: <https://tinyurl.com/Letterof-Auth>
5. Only the first 30 research papers will be accepted and will be forwarded to the panel for the screening proper.
6. The papers submitted to the panel will be carefully evaluated using the following criteria:

CRITERIA	PERCENTAGE
Scientific Thought and Engineering Goals	30%
Creativity and Resourcefulness	30%
Sense of Innovation	20%
Research Skill	20%
TOTAL	100%

7. Papers will be screened to ensure that all entries are related to chemistry. Registrants will be notified of the results via text or email on November 6, 2023 (MON), at the latest. All official participants must prepare a poster and PowerPoint Presentation for the event.

D. Exhibit and Pre-Judging

1. Qualifying participants are required to make and prepare a poster about their research.



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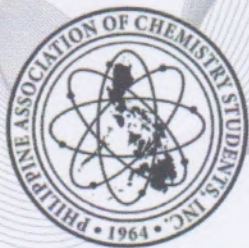
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2. The posters must contain the following specifications:

Poster (paper) size	58 (length) x 35 (width) inches
Image size	44 x 34 inches
Resolution (for tarpaulin)	at least 72 dpi for Adobe Photoshop
Text size	Readable for about 1-2 meters
Material	Tarpaulin/Tarpapel (paper-based)

3. The title banner for the posters must be placed at the top of the posters and should have the following specifications:

Title	The letterings should have a height from 15 mm (minimum) to 20 mm (maximum). The title should not occupy an excessive amount of space.
Name of Authors	This includes the student/s and their adviser/s name/s. The letterings should have a height of 10 mm. The name of the student/s should be written in alphabetical order (Surname, First Name and Middle name initials, e.g. Dela Cruz, J.). The name of the adviser/s (without the extensions) should be written after the student/s name preceded by the word "and" following the same format.
School	This includes the complete name



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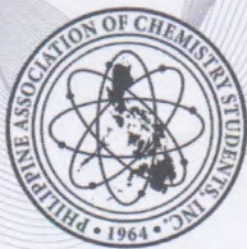
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	and address of the school. It should have the same size as the name of the author/s. Placed below the name of the author/s at a height of 8 mm.
Logo	The logo of the school may be placed on either left or right side of the title banner aligned to the name of author/s and school

4. Additionally, the text must be clear and concise. Use of illustrations and graphs are allowed and may be used generously and the posters must contain the following sections:

SEGMENT	DESCRIPTION
Introduction	Include short background information, statement of the problem, significance of the study and objectives. Use phrases or words only.
Methodology	Prepare a systematic presentation of the methods, use schematic diagrams or flow-charts
Results	Use diagrams, table and/ or illustrations for the results
Discussion	Include an in-depth analysis and interpretation of the findings
References	Should include the major references used in the study. The American Chemical Society (ACS) format should be used in citing references.



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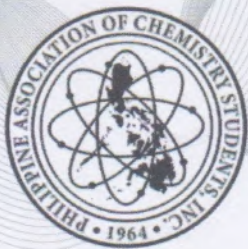
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5. For printing, use appropriate foreground/ background combinations (e.g. dark colored text on light colored background and vice versa). During printing, ask for available software and appropriate versions that may be used for the poster layout.
6. The posters should have a back-up file uploaded to an external hard drive or via Google Drive to prevent any technical mishaps.
7. The posters must be presented upon the onsite registration for the face-to-face participants which will start at 8:00 – 9:00 AM for checking. Failure to comply with the deadline will disqualify the poster for the competition.
8. Online participants are also required to make and submit their posters via email to pacs.vpacademics@gmail.com with the subject [JCC 2023: Research Poster - Online] or before November 8, 2023, at 11:59 PM. Failure to do so results in disqualification for the said event. The posters must follow the general format as indicated in the guidelines and may be in spreadsheet, document, PDF or image formats. The posters for the online participants will be mounted and set-up by the committee.
9. The mounting and setting up of posters will start at 8:00 AM until 9:00 AM. The mounting of posters shall be done by the face-to-face participants with the assistance of the facilitators. All the materials will be provided for the event proper.
10. Face-to-face participants should be present in front of their posters during the poster presentation to entertain any questions the general audience may have.
11. Online participants will be asked to join a Zoom meeting during the poster presentation to stand by for any questions about the research.
12. Note that the questions that would be asked for the presentation of posters are not part of the judging process for the qualified papers.
13. The authors should be responsible for their posters during the exhibit with the exception of the online participants. The organizers are not responsible for lost/ damaged/ vandalized posters.



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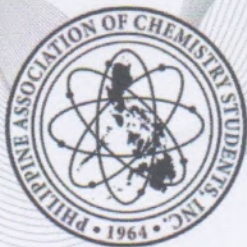
14. The posters will be judged using the following criteria:

CRITERIA	PERCENTAGE
Organization	40%
Completeness	20%
Originality	20%
Visual Aesthetics	20%
TOTAL	100%

15. The posters will be removed after the oral presentations.

E. Oral Presentation and Defense

1. The five (5) highest-scoring participants in the poster presentation and the research paper criteria will proceed to the oral presentation.
2. A simultaneous stream via Zoom will be utilized for the event proper if the need arises.
3. Qualified within GMA and/or outside GMA participants must create a PowerPoint presentation containing their research project.
4. Presentations by the participants must be emailed to pacs.vpacademics@gmail.com with the subject [JCC 2023: Presentation] not later than November 9, 2023, at 11:59 PM in .ppt format.
5. Top scoring participants will be given at most seven (7) minutes to present their works. After the presentation, a question-and-answer portion will be led by the panel for a minimum of 7 minutes and a maximum of 10 minutes.
6. The time for presentation will start after the first word spoken by the qualified participants.
7. Qualified outside GMA participants will be invited to a Zoom call for their time of presentation. The participants should be on the call 15 minutes prior to their presentation. If the participant is not yet in the Zoom call five (5) minutes after their time of the presentation, the participants will no longer be allowed to present.



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8. Qualified within GMA participants will be assisted in the event proper for their presentation.
9. At most two (2) participants will be allowed to answer during the question-and-answer portion. Participants must not answer simultaneously.
10. The participants will be judged using the following criteria:

CRITERIA	PERCENTAGE
Depth and Cohesion of Discussion (Of the presentation itself)	30%
Communication skills (i.e., confidence, fluency, ability to express thoughts amidst the pressure)	15%
Mastery (i.e., ability to answer the question correctly)	40%
Presentation (Conciseness, visual appeal)	15%
TOTAL	100%

F. Contents

For the PowerPoint presentation, the text must be clear and concise. Use of illustrations and graphs are allowed and may be used generously. The texts must not come directly from the submitted study itself and should not exceed seven (7) lines per slide. The PowerPoint presentation should include the key parts of the following:

SEGMENT	DESCRIPTION
Introduction	Include short background information, statement of the problem, significance of the study and objectives. Use phrases or words only.



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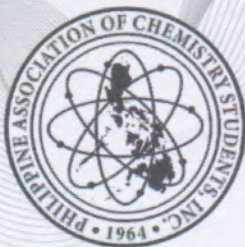
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Methodology	Prepare a systematic presentation of the methods, use schematic diagrams or flow-charts
Results	Use diagrams, table and/ or illustrations for the results
Discussion	Include an in-depth analysis and interpretation of the findings
References	Should include the major references used in the study. The American Chemical Society (ACS) format should be used in citing references.

G. Other Matters

1. Feedbacks of the panel regarding their research entry may be given upon request.
2. For any questions or concerns related to the event, send an email to pacs.vpacademics@gmail.com. Expect replies from Monday to Friday at 8:00 AM to 5:00 PM.



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II. PACSiklaban Jr.

PACSiklaban Jr. is a quiz bee competition that serves as a venue for high school students all over the country to showcase their knowledge in chemistry in the spirit of sportsmanship and competitiveness. Every year before the pandemic, students are challenged on questions and problems in the field of chemistry to gauge the extent of their aptitude in the chemical sciences. This year, we will be bringing back the PACSiklaban Jr. at a full face-to-face set up.

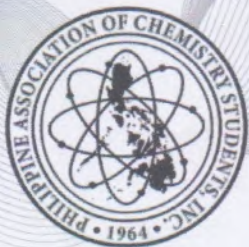
A. Registration

1. The competition is open to all Grades 10, 11 and 12 high school students in the country and will be held onsite at the University of the Philippines Los Baños on November 11, 2023 (JCC Day 1) at 1:00 PM. Note that the venue may be subject to changes and will be discussed in separate guidelines that are to be followed.
2. Participating schools must signify their intent to join the competition by filling out the registration form found at <https://forms.gle/icfCGY2AjwtAd6bT6> on or before November 3, 2023, at 11:59 PM. There will be no onsite registration.
3. A maximum of two (2) teams from the same school can participate in the competition composed of three (3) members, and at least one (1) reserve. All of which must be a bona fide Grades 10, 11 and 12 high school student of the school.
4. Participating teams per school must pay PHP 1200 for early registrants (registration from October 9, 2023 to October 20, 2023) and PHP 1500 for late registrations (registrations from October 21-31, November 1-3, 2023). Kindly attach the proof of payment within the online registration form to confirm the participation. The fee will be inclusive of the participating teams' JCC kit, including their onsite IDs for the event, meal and certificates of participation for the participants and the coaches.
5. Registration fees must be settled via the following bank account or GCash:

Bank Name: LANDBANK

Account Name: XHANDRA MAE C ARAOS

Account Number: 1896405167



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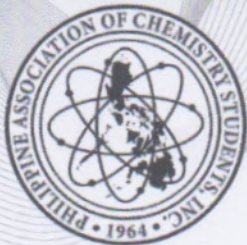
GCash Name: XHANDRA MAE ARAOS

GCash Number: 09955879683

6. Once the payment for the event is received and submitted for registration, the fee collected is NON-REFUNDABLE and NON-TRANSFERABLE under all circumstances. Submitting the form with the proof of payment attached means that the participant understands the term and condition for the registration fee.
7. Confirmation of registration will be held onsite at 8:00 AM onwards. Participants' information including the name and school will be checked.
8. In case the team changes a member for the team's roster, kindly send the names to pacs.vpacademics@gmail.com with the email subject of "[JCC2023 PACSiklaban Jr. Roster Change]" on or before November 3, 2023 (FRI), at 11:59 PM. Roster changes beyond the set date will be under deliberation with the committee while changes during the event proper will not be entertained.
9. During the event, the participants must be in their proper and complete school uniform with their school ID cards worn. The JCC ID cards should be worn as well at all times.
10. Only the first 30 teams who registered for the event will be accepted.
11. Each participating school will be asked to submit quiz questions. The details for the submission will be notified after confirmed registration of the participating teams. The questions from the participants must be in a .pdf file (to be sent via email) with the answers stated or highlighted and the reference for the answers. The deadline for submission of the questions will be on November 3, 2023 (FRI), at 11:59 PM via the sent link after confirmed registration.

B. Manner of Holding the Contest

1. Questions for the contest will cover (1) General Chemistry, (2) Basic Organic Chemistry, (3) Basic Biochemistry and (4) Basic Analytical Chemistry.
 - a. General Chemistry questions shall cover topics on:
 - i. *Matter and Its Properties*



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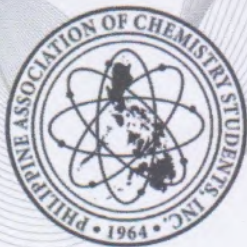
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- ii. *Phase Changes*
 - iii. *Stoichiometry*
 - iv. *Chemical Reactions and Chemical Equations*
 - v. *Gases*
 - vi. *Electronic Structure of Atom*
 - vii. *Chemical Periodicity*
 - viii. *Molecular Geometry and Bonding Theories*
 - ix. *Solutions*
 - x. *Basic Thermochemistry*
 - xi. *Basic Chemical Kinetics*
 - xii. *Basic Chemical Equilibrium*
 - xiii. *Basic Electrochemistry*
 - xiv. *Nuclear Chemistry*
- b. Basic Organic Chemistry questions shall cover topics on:
- i. *Nomenclature and IUPAC Naming system*
 - ii. *Hydrocarbons*
 - iii. *Properties and Reactivities of Common Functional Groups*
- c. Basic Biochemistry questions shall cover topics on:
- i. *Biomolecules (Carbohydrates, Proteins, Lipids and Amino Acids)*
- d. Basic Analytical Chemistry questions shall cover topics on:
- i. *Gravimetry and stoichiometry*
 - ii. *pH calculations*
2. The questions may be of the following types: (1) Multiple Choice, (2) Identification, (3) True or False, and (4) Problem Solving.
3. The following rules shall be followed concerning protests:
- a. Only the team captain may raise protests or complaints;
 - b. A team is not allowed to comment or protest another team's answer;
 - c. All protests shall be forwarded to the Board of Judges for the decision;
 - d. The Board of Judges will entertain only those protests and complaints regarding the preceding question before the next question is asked;



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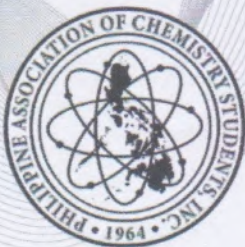
- e. The Board of Judges will be given a maximum of five (5) minutes to resolve the protest, after which, the contest will resume. Should the judges fail to resolve it in the allotted time, the question will be held in abeyance until it has been resolved;
- f. The decision of the Board of Judges is final and irrevocable; and
- g. Further protest after the final decision of judges shall be cause of the team's disqualification.

C. The Contest Proper

1. The contest will be divided into three (3) parts: Easy, Average and Difficult rounds. Each round is composed of ten questions under the types stated above. The pointing system will be as follows:

	Easy	Average	Difficult
Correct Answer	+3	+5	+7
No Answer/ Incorrect Answer	0	0	0

2. Calculators are allowed for the whole duration of the competition with its covers removed before the event and shall be inspected by the facilitators. Pocket computers, mobile phones and programmable calculators are not allowed.
3. Each team will have a flagger/ facilitator.
4. Each participating school will be provided with the official answer sheets and scratch papers. The participants will also be given a black marker for their answers. Participants may use a pen for solutions and for scratch. However, answers written by pen will not be credited.
5. Participants are not allowed to bring books, notebooks and any form of notes and review materials during the contest proper as all necessary information shall be provided by the organizers.
6. The time limit for each question will be announced before the question is read. Questions shall only be read twice and will be flashed through a projector for everyone's convenience.



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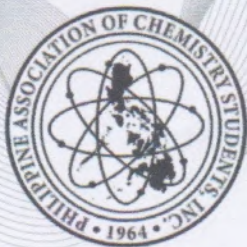
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7. Contestants are only allowed to write on the answer sheets and scratch papers after the "Go" signal. Failure to do so shall merit the team no point for that question regardless of their answer.
8. All numerical answers shall be reported in the proper significant figures or decimal places as stated in the question. The rules of which are patterned from Brown, et. Al., (2017). Chemistry: The Central Science. 14th Edition. Pearson Publishing.
9. Final answers for each question shall not have erasures.
10. Participants must keep their answer sheets raised until all answers have been acknowledged by the quizmaster.
11. Coaching from the audiences during the contest proper shall be forbidden. Any team incurred for coaching will be disqualified.
12. Any form of cheating is punishable by disqualification.

D. Determination of Winners

1. The team with the highest score after the difficult round will be declared Champion for PACSiklaban Jr. 2023. The second and third placers shall be declared the first and second runners-up, respectively.
2. In case of a tie for any of the top three (3) positions after the difficult round, a Clincher round shall be conducted to break the tie. The clincher round will be composed of three questions one from each difficulty round. The pointing system will be the same as the delegation of points for the easy, average and difficult questions - 3, 5 and 7 points, respectively. The result of the clincher round shall determine the final ranking.
3. In case of an unresolved tie, a Do or Die question shall be asked. Contestants are only allowed to answer once for every question. The first team to answer correctly shall be declared the winner. Do or Die questions shall be given until all top three (3) places are won with no ties.



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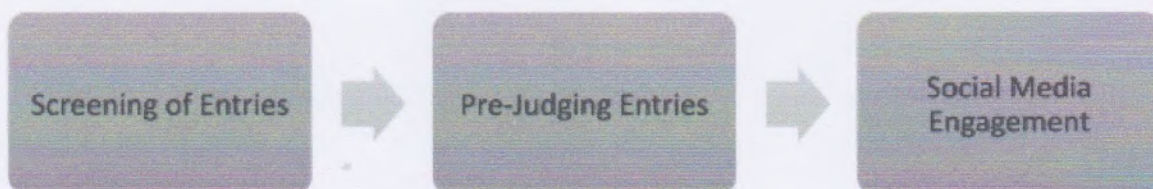
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III. TumPACS Jr.

TumPACS Jr. is a chemistry video-making sub-event and meme-making contest of the Junior Chemistry Congress. This sub-event aims to promote scientific knowledge regarding chemistry through social media and aims for the students to utilize creative thinking on a certain chemistry topic.

Guidelines for TumPACS Jr. – Video Competition

A. General Mechanics



TumPACS Jr. Video Competition shall be divided into three (3) rounds: (1) Screening of entries, (2) Pre-judging and (3) Social Media Engagement.

B. Registration

1. The participants shall answer the online registration form found at <https://forms.gle/jBtkL3Cc44gvqQR98> on or before October 31, 2023, 11:59 PM. Failure to answer the registration form results in a void submission. Participating schools will be asked to pay PHP 150.00 as their registration fee. Kindly attach the proof of payment within the online registration form to confirm the participation.
2. Registration fees must be settled via the following bank account or GCash:

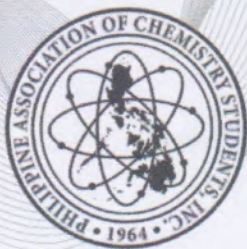
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Account Name: XHANDRA MAE C ARAOS

Account Number: 1896405167

GCash Name: XHANDRA MAE ARAOS

GCash Number: 09955879683



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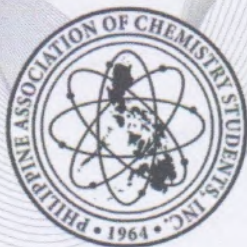
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3. Once the payment for the event is received and submitted for registration, the fee collected is NON-REFUNDABLE and NON-TRANSFERABLE under all circumstances. Submitting the form with the proof of payment attached means that the participant understands the term and condition for the registration fee.

C. Screening of Video Entries

1. The video entry from the participants must be uploaded to a personal Google Drive folder or uploaded via the registration link if the size was within the acceptable range. The email pacs.vpacademics@gmail.com must be given access for the specific folder, or the link itself must be open for everyone who has it.
2. The video entry link from the Google Drive must be placed alongside the registration or emailed to pacs.vpacademics@gmail.com with the subject [JCC 2023: TumPACS Jr. Video] not later than October 31, 2023 (TUE) at exactly 11:59 PM.
3. Each school is allowed to submit a maximum of one (1) video as their entry.
4. Each video may be composed of a minimum of one (1) participant and a maximum of 10 participants. Participants must be bona fide students of the school.
5. Each video must only be 2-3 minutes long. The topic or subject of the entry should cover chemistry concepts.
6. Words spoken from the video must not come directly from a book, the internet, YouTube videos, etc. They must be of the original idea or paraphrased properly.
7. Participants may use props, visuals, or any texts related to their topic of their choice. References from the video entries must be placed at the last part of the video and must be in the American Chemical Society (ACS) format.
8. Only the first 30 entries will be accepted and forwarded to the panel for the screening proper.



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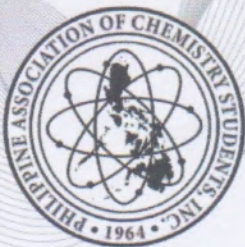
D. Pre-Judging

1. The video entries must be submitted not later than October 31, 2023 (TUE), at exactly 11:59 PM. Failure to comply with the deadline will disqualify the entry for the competition.
2. The video entries will be sent to the panel for pre-judging.
3. The video entries will be judged using the following criteria:

CRITERIA	PERCENTAGE
Relevance to the Topic	40%
Creativity and Resourcefulness	20%
Originality	20%
Clarity of Voice	5%
Visual Aesthetics	5%
TOTAL	90%

E. Social Media Engagement

1. The 10 highest-scoring video entries in the pre-judging will be uploaded to the official page of the Junior Chemistry Congress.
2. The remaining 10% of the criteria will be based on the social media engagement of the said video.
3. Only 'LIKE' and 'HEART' reactions will be counted as votes. For a vote to be valid, reactors must first like and follow the official Facebook page of the Junior Chemistry Congress (www.facebook.com/juniorchemistrycongress).
4. The voting period will start on November 6, 2023 (MON) and will end on November 10, 2023 (FRI), at 11:59 PM. Votes beyond the said dates and time will not be counted.
5. The scores accumulated from the pre-judging and the equivalent score from the social media engagement will be tallied. The winners for the competition will be announced on November 12, 2023 (JCC Day 2) and will be posted via Facebook on the Junior Chemistry Congress page as well on a different date.



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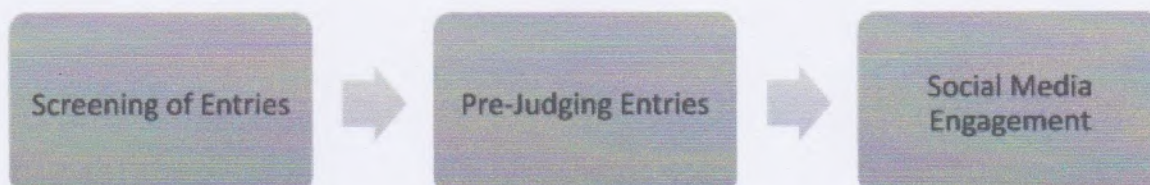
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Guidelines for TumPACS Jr. – Meme Making Competition

A. General Mechanics



TumPACS Jr. – meme-making competition is divided into three rounds: (1) Involves the screening of submitted entries, (2) submitted entries will be pre-judged and (3) social media engagement.

B. Registration

1. The participants shall answer the online registration form found at <https://forms.gle/38am4ozBBWLWlt8G9> on or before October 31, 2023, 11:59 PM. Failure to answer the registration form results in a void submission. Participating schools will be asked to pay PHP 75.00 as their registration fee. Kindly attach the proof of payment within the online registration form to confirm the participation.
2. Registration fees must be settled via the following bank account or GCash:
Bank Name: LANDBANK
Account Name: XHANDRA MAE C ARAOS
Account Number: 1896405167

GCash Name: XHANDRA MAE ARAOS
GCash Number: 09955879683
3. Once the payment for the event is received and submitted for registration, the fee collected is NON-REFUNDABLE and NON-TRANSFERABLE under all circumstances. Submitting the form with the proof of payment attached means that the participant understands the term and condition for the registration fee.



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C. Screening of Entries

1. The participants shall answer the online registration form found and attach the meme entry in .png or .jpg format at the registration link as well on or before October 31, 2023, 11:59 PM. Failure to answer the registration form results in a void submission.
2. Each entry must contain an informative meme about any topic in the field of chemistry.
3. Each school is allowed to submit a maximum of one (1) meme as their entry. Memes used for previous Junior Chemistry Congress events will not be accepted.
4. Participants may use any meme templates in relation to their topic of their choice.
5. Only the first 30 entries will be accepted and will be forwarded to the panels for their screening proper.

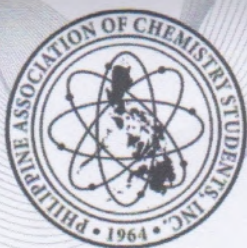
D. Pre-judging

1. The meme entries must be submitted not later than October 31, 2023 (TUE), at 11:59 PM via the link given.
2. Failure to comply with the deadline means disqualification of the entry for the competition.
3. The entries will be sent to the panel for pre-judging.
4. The entries will be judged using the following criteria:

CRITERIA	PERCENTAGE
Wit and Substance	30%
Creativity	20%
Uniqueness	20%
Relevance to the Topic	20%
TOTAL	90%

E. Social Media Engagement

1. The 10 highest-scoring entries in the pre-judging will be uploaded to the official page of the Junior Chemistry Congress (www.facebook.com/juniorchemistrycongress).



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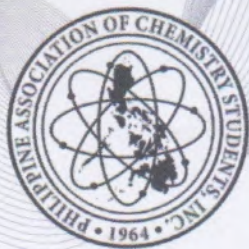
PRIMARY ADDRESS

Unit 233 Cityland Pioneer 128 Pioneer St.
Highway Hills, Mandaluyong City

SECONDARY ADDRESS

Department of Chemical Engineering, College of Engineering
and Agro-Industrial Technology, University of the Philippines
Los Baños

2. The remaining 10% of the criteria will be based on the social media engagement of the said meme.
3. Only the 'LIKE' and 'HAHA' reactions will be counted as votes. For the vote to be valid, the reactor must first like and follow the official Facebook page of the Junior Chemistry Congress.
4. The voting period will start on November 6, 2023 (MON) and will end on November 10, 2023 (FRI), at exactly 11:59 PM. Votes beyond the said dates and time will not be counted.
5. The scores accumulated from the pre-judging and the equivalent score from the social media engagement will be tallied and added to the final score.
6. The winners will be announced on November 12, 2023 (JCC Day 2) and will be posted as well on the Facebook page of the Junior Chemistry Congress on a later date.



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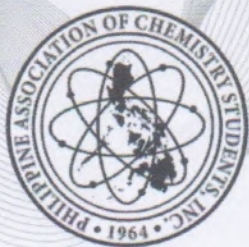
IV. **PACSymposium Jr.**

PACSymposium Jr. is a sub-event under the Junior Chemistry Congress that will consist of a series of talks and discussion about certain fields and topics in chemistry.

Guidelines for PACSymposium Jr.

A. Registration and Venue

1. Participants shall fill out an online registration form via <https://forms.gle/iixTkqS9dVef9LCC6> on or before November 3, 2023 (FRI), at exactly 11:59 PM. The event will be open for both high school and university students that wish to attend the symposium. However, high school participants will be prioritized during registration. Participants from the other sub-events are still required to register for the symposium and must attach a screenshot of the confirmation of registration from the sub-event joined as their proof of payment.
2. The symposium will be held at the University of the Philippines Los Baños on November 12, 2023, at 9:30 AM. An online option will be utilized and will be open for participants outside the Greater Manila Area. Note that the venue may be subject to changes and will be discussed in separate guidelines that are to be followed.
3. The registration will be on a first come, first served basis. If all slots available are consumed, other participants who wish to join will be accommodated via Zoom meeting. In contrast, participants with a given slot are required to attend the symposium onsite.
4. Participants for the sub-event, both face-to-face and online, will be asked for a registration fee and will be generally classified as Guests/Non-PACS, Inc. members, PACS, Inc. members and Participants. Participants for PACSiklaban Jr., PACSiyensya Jr., and TumPACS Jr. are no longer required to pay the registration fee for the symposium. The table as follows shows the delegation of the fees:



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High School Participants	PHP 50.00
University Participants/Non-PACS, Inc. members	PHP 80.00
PACSiyensya Jr. Participants	Free of Charge
TumPACS Jr. Participants	Free of Charge
PACSiklaban Jr. Participants	Free of Charge
PACS, Inc. members	Free of Charge

5. Registration fees must be settled via the following bank account or GCash:

Bank Name: LANDBANK

Account Name: XHANDRA MAE C ARAOS

Account Number: 1896405167

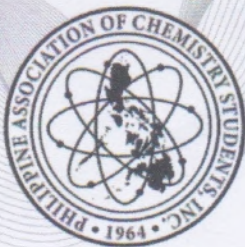
GCash Name: XHANDRA MAE ARAOS

GCash Number: 09955879683

6. Once the payment for the event is received and submitted for registration, the fee collected is NON-REFUNDABLE and NON-TRANSFERABLE under all circumstances. Submitting the form with the proof of payment attached means that the participant understands the term and condition for the registration fee.

B. Event Proper

1. Participants' information, including their names and school as submitted in the online registration, will be checked for confirmation before entry at the venue. The seating arrangement will be on a first come, first served basis.
2. For online participants, a Zoom link will be sent via email or SMS before the event.
3. Participants must settle into their seats and refrain from doing unnecessary things during the event proper.
4. Eating and sleeping inside the venue is strictly prohibited.



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5. Participants from the same school will be allowed to go to the comfort room one at a time.
6. Cellphones and any other kind of device capable of emitting sounds that may disturb the speakers must be in silent mode or powered off.
7. Refrain from making loud noises if it is not necessary or not asked to do so.
8. Participants must be back in the venue five (5) minutes prior to the next part of the symposium after the breaks given.

C. Post-event

1. Participants who attended all parts of the symposium will receive an e-certificate.
2. Participants will be required to answer an evaluation form after the event to receive the certificates.
3. Participants will be asked to stay for a few minutes after the event for photo opportunities.