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Department of Education
REGION X - NORTHERN MINDANAO
DIVISION OF MALAYBALAY CITY

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JUNIOR CHEMISTRY CONGRESS (JCC) 2022

The Philippine Association of Chemistry Students, Inc. (PACS, Inc) will be holding Junior Chemistry Congress (JCC) 2022 on November 19-20, 2022 via Zoom/Facebook Live. JCC is a two-day event that comprises a research competition (PACSiyensya JR.), a symposium (PACSymposium Jr.), an informative video competition, and an educational meme-making contest (both under TumPACS Jr.).

Attached are the Junior Chemistry Congress 2022 guidelines and mechanics, including further details about the event.

Queries relative to this can be relayed to Renee Shaine R. Balanay, Vice-President for Academic Affairs, Philippine Association of Chemistry Student, Inc. at 09614163804 or at pacsypacademics@gmail.com.

Enclosed : As stated

Copy furnished:
Records Unit
SGOD/lmc

VICTORIA V. GAZO, PhD, CESO V
Schools Division Superintendent



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2022-01564



PHILIPPINE ASSOCIATION OF CHEMISTRY STUDENTS, INC.

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October 21, 2022

To whom it may concern:

Greetings!

The **Philippine Association of Chemistry Students, Inc. (PACS, Inc.)** is a national, non-stock, non-profit organization geared towards upholding excellence in the study and application of chemistry, which is responsive to national demands. With the goals of academic advancement in the chemical sciences, scientific excellence, and socio-cultural involvement, PACS, Inc. serves as the student-based arm of a larger umbrella organization, the **Philippine Federation of Chemistry Societies (PFCS)**.

For the past 58 years, PACS, Inc. has continued its legacy by hosting chemistry student-specific events i.e. symposiums, workshops, and contests. It now houses more than 1,000 members from its various affiliate organizations nationwide.

Pursuant to its goals, PACS, Inc. will be holding the **Junior Chemistry Congress (JCC) 2022** on **November 19-20, 2022** via **Zoom/Facebook Live**. The event has the theme "SYNTHESIZE: Solidifying Bonds and Fortifying Minds of Filipino Youth through Chemistry". This intends to promote Chemistry and other related fields as a college degree program for high school students, as well as provide potential career paths. JCC is a two-day event that comprises a research competition (**PACSiyensya Jr.**), a symposium (**PACSymposium Jr.**), an informative video competition, and an educational meme-making contest (both under **TumPACS Jr.**).

To carry this out, *we humbly request your help in promoting our event to high schools within your jurisdiction.* If feasible, please supply any information that might facilitate our direct communication with them. Rest assured that the contact details you will provide will only be used for the specified purpose in compliance with RA 10173 (also known as the **Data Privacy Act of 2012**).

Attached are the **Junior Chemistry Congress 2022** guidelines and mechanics, including further details about the event. Should you have any queries, feel free to contact us at **09614163804** or at pacs.vpacademics@gmail.com.

We look forward to your favorable response. Thank you!

Sincerely,

Renee Shaine R. Balanay
Vice-President for Academic Affairs, AY 2022-2023
Philippine Association of Chemistry Students, Inc.

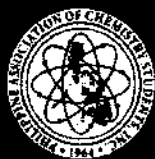
Noted by:

Xhandra Mae C. Araos
President, AY 2022-2023
Philippine Association of Chemistry Students, Inc.

Dr. Christina A. Binag
Faculty Adviser, AY 2022-2023
Philippine Association of Chemistry Students, Inc.

Dr. Veronica P. Migo
Faculty Adviser, AY 2022-2023
Philippine Association of Chemistry Students, Inc.





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JUNIOR CHEMISTRY CONGRESS 2022 PROGRAM DESIGN

I. Overview

At its 58th year, the Philippine Association of Chemistry Students, Inc. kicks off the term with the launch of Junior Chemistry Congress 2022, with the theme "SYNTHESIZE: Solidifying Bonds and Fortifying Minds of Filipino Youth through Chemistry". 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 JCC's four sub-events, namely, PACSymposium Jr., PACSiyensya Jr., and TumPACS Jr. Video Making, and TumPACS Jr. Meme Making.

II. Sub-events

A. PACSymposium Jr.

PACSymposium Jr. gathers high school students from across the nation and engage them in a series of knowledge-packed talks from different fields related to chemistry. 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.

B. PACSiyensya Jr.

Formerly known as Investigatory Science Contest, PACSiyensya Jr. screens out young researchers in hopes of searching the most promising and innovative investigatory project. Those student hopefuls will be screened by well-versed researchers and professionals in various fields.

C. TumPACS Jr.

The TumPACS Jr. is a sub-event launched for the new normal. This sub-event is divided into two mini- events (1) Video Making Competition and (2) Meme-Making Competition.

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.





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- Meme Making** - A new mini-event launched this year that aims to showcase the knowledge of high school students in different branches of chemistry in a fun and informative way.

III. Program Flow

Event: PACSiyensya Jr. and TumPACS Jr.

Date: November 19, 2022 (SAT)

Time: 9:00 AM

TIME ALLOTTED	ACTIVITY	PERSON/S INVOLVED
9:00 AM- 9:30 AM	Opening of Zoom Meeting Room	Technical Committee
9:30 AM -10:40 AM	Introductory Host Spiels	Hosts
10:40 AM- 10:45 AM	Opening Remarks	Mx. Xhandra Mae Araos
10:45 AM- 11:00 AM	Introduction of the Panel	Hosts
11:00 AM-12:00 PM	Presentation Proper of the Cluster 1 Research	Hosts and Presenters
12:00 PM – 1:00 PM	Lunch Break	Hosts
1:00 PM- 2:00 PM	Presentation Proper of the Cluster 2 Research	Hosts and Presenters
2:00 PM- 3:00 PM	Presentation Proper of the Cluster 3 Research	Hosts and Presenters
3:00 PM – 3:30 PM	Deliberations	Panel of Judges
	Announcement of TumPACS Jr. Winners (Video and Meme Making Contest)	Hosts
3:30 PM -3:45 PM	Awarding of Certificates to the Panel	Hosts
3:45 PM – 4:00 PM	Awarding of PACSiyensya Jr. Winners	Hosts
4:00 PM- 4:05 PM	Picture Taking	Technical Committee
4:05 PM- 4:10 PM	Closing Remarks	Mx. Renee Shaine Balanay
4:10 PM- onwards	Closing of the Program	Hosts

Event: PACSymposium Jr.

Date: November 20, 2022 (SUN)

Time: 10:00 AM

TIME ALLOTTED	ACTIVITY	PERSON/S INVOLVED
10:00-10:30 AM	Opening of Zoom Meeting Room	Technical Committee
10:30-10:40 AM	Introductory Host Spiels	Hosts
10:40-10:45 AM	Opening Remarks	Mx. Xhandra Mae Araos





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10:00-10:30 AM	Opening of Zoom Meeting Room	Technical Committee
10:30-10:40 AM	Introductory Host Spiels	Hosts
10:40-10:45 AM	Opening Remarks	Mx. Xhandra Mae Araos
10:45 AM- 10:50 AM	Introduction of the First Speaker	Hosts
10:50 AM-11:20 AM	Speaker 1 (Academe)	Speaker from Academe
11:20 AM – 11:40 AM	Open Forum	Hosts, Speakers and Participants
11:40 AM- 11:50 AM	Awarding of Certificate of Appreciation	Hosts and Speakers
11:50 AM- 11:55 PM	Picture Taking	Technical Committee
11:55 AM – 12:55 PM	Lunch Break	Hosts and Speakers
12:55 PM -1:00 PM	Ice Breaker	Host and Participants
1:00 PM – 1:10 PM	Introduction of the Second Speaker	Hosts
1:10 PM – 1:40 PM	Speaker 2 (Research and Development)	Speaker from R and D
1:40 PM – 2:00 PM	Open Forum	Hosts, Speakers and Participants
2:00 PM – 2:10 PM	Awarding of Certificate of Appreciation	Hosts and Speakers
2:10 PM – 2:15 PM	Picture Taking	Technical Committee
2:15 PM – 2:20 PM	Ice Breaker	Host and Participants
2:20 PM – 2:25 PM	Introduction of the Third Speaker	Hosts
2:25 PM – 2:55 PM	Speaker 3 (Industry)	Speaker from Industry
2:55 PM – 3:15 PM	Open Forum	Hosts, Speakers and Participants
3:15 PM – 3:25 PM	Awarding of Certificate of Appreciation	Hosts and Speakers
3:25 PM – 3:30 PM	Picture Taking	Technical Committee
3:30 PM- 3:35 PM	Presentation of Evaluation Forms	Hosts
3:35 PM- 3:40 PM	Closing Remarks	Mx. Renee Shaine Balanay
3:40 PM- onwards	Closing of the Program	Hosts





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JUNIOR CHEMISTRY CONGRESS 2022 GUIDELINES FOR REGISTRATION

1. Registration forms are online. You may answer the forms through the given links:

PACSiyensya Jr.	https://tinyurl.com/JCC2022PACSiyensyaJr
PACSymposium Jr.	https://tinyurl.com/JCC2022PACSymposiumJr
TumPACS Jr. Video Competition	https://tinyurl.com/JCC2022TumPACSJrVideo
TumPACS Jr. Meme-making	https://tinyurl.com/JCC2022TumPACSJrMeme

2. However, the letter of authenticity for PACSiyensya Jr. must be sent independently while the video entry for TumPACS Jr. must be attached in the form.
3. In case you cannot access the links above, you may also use <https://linktr.ee/juniorchemistrycongress>. Just select your chosen sub-event in the site and it will redirect you to the respective registration form.
4. Payment could be sent via BPI, GCash, or Paymaya using the following details:

BPI	Account Name: CHELSIE NICOLE M. ADRIANO Middle Initial: M. Account Number: 0586341572 Contact Number: 09959627840
GCash	Name: CHELSIE NICOLE A. GCash Number: 09959627840
Paymaya	Name: Chelsie Nicole Adriano Paymaya Number: 09959627840

5. Participants for all sub-events who will register on the day of the event will not be entertained. Registration period will end on **November 4, 2022 (11:59 PM)** for PACSiyensya Jr. and TumPACS Jr., whereas for PACSymposium Jr. it will end on **November 11, 2022 (11:59 PM)**.
6. The participants for PACSiyensya Jr., TumPACS Jr., and PACSymposium Jr. should be bona fide students at the participating school enrolled in **Grade 9, Grade 10, Grade 11, or Grade 12**.
7. The video entries for TumPACS Jr. Video Competition. participant must be in .mp4 format. The filename must be as follows: **"Surname, First Name-Topic-School Name"** i.e. (Dela Cruz, Juan- Entropy- ABC High School).
8. For TumPACS Jr. Meme-Making, the filename must be **"Surname, First Name- Meme Topic- School"** i.e. (Dela Cruz, Juan- Titration- ABC High School).





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9. Registration is only considered final once the online registration form has been accomplished. A notification will be given once the registration has been received.
10. Should you have any questions or clarifications kindly send an email to pacs.vpacademics@gmail.com.





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- The paper will then be submitted to the respective panels and 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%

- Qualifying participants for the oral presentation shall be notified via text and email on November 12, 2022 (SAT), at the latest.

C. Oral Presentation and Defense

- The highest scoring participants in the screening will proceed to the oral presentation.
- Each team must be composed of two (2) members to present their study and one (1) member to aid for the technical aspect of their presentation.
- A PowerPoint presentation containing their investigatory project must be prepared by the contestants.
- Pre-recorded PowerPoint presentations will be allowed. However, the participants must answer the question-and-answer portion of the contest live.
- Each contestant will be given 7 minutes to present. 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.
- Only the two (2) presenters will be allowed to answer during the question-and-answer portion.
- 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 your thoughts amidst the pressure)	15%
Mastery (i.e., ability to answer the questions correctly)	40%
Visual Presentation	15%
TOTAL	100%





D. Contents

In general, the text should be clear and concise. Use graphs and illustrations generously. Text in the PowerPoint presentation should not exceed 7 lines per slide. PowerPoint presentations should include the key parts of the following:

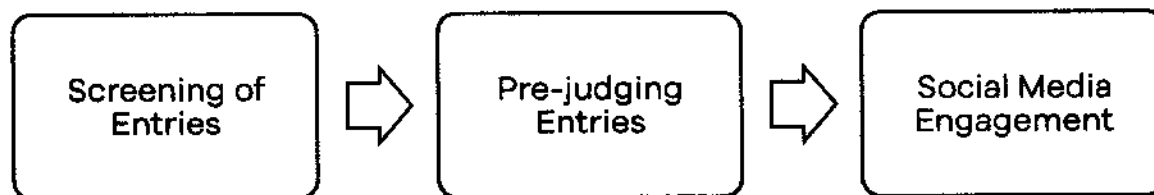
SEGMENT	DESCRIPTION
Introduction	Must include the background information, statement of the problem, the significance or relevance of the study, the objectives must be clearly stated.
Methodology	Systematic presentation of the methodology, preferably in schematic diagram, flowcharts, etc.
Results and Discussion	Use diagrams and tables preferably for the results, the discussion is an in-depth analysis and interpretation of findings.
Conclusion and Recommendation	Should answer the objective/s of the study and should address on how the limitation/s of the study could be answered.
References	Should include major references used for the study. The American Chemical Society (ACS) format should be used in citing references.

II. TumPACS Jr.

TumPACS Jr. is a chemistry video sub-event and meme making contest of the Junior Chemistry Congress. This sub-event aims to promote scientific knowledge regarding chemistry through social media.

Guidelines for TumPACS Jr. - Video Competition

A. General Mechanics



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

B. Screening of Video Entries

1. The participants shall answer the online registration form found at <https://tinyurl.com/JCC2022TumPACSJrVideo> and attach the video entry in .mp4 format not later than **November 4, 2022 (FRI)** at 11:59 pm. Each entry must contain an informative lesson about any topics in the field of chemistry.





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2. In case the registration link does not work, kindly access <https://linktr.ee/juniorchemistrycongress> and select "TumPACS Jr. Video Making" to be redirected to the form.
3. Each school is only allowed to submit a maximum of 5 videos as their entries.
4. Each video may be composed of a minimum of one (1) and a maximum of two (2) students to ensure the safety of the participants.
5. Each video must be only 2-3 minutes long.
6. Participants may use any texts or props related to their topic of choice.
7. Only the first fifteen (15) entries will be accepted and will be forwarded to the panels for the screening proper.

C. Pre-judging

1. The video entries must be submitted not later than **November 4, 2022 (FRI) at 11:59 pm**. Failure to comply with the deadline will disqualify the entry for the competition.
2. The videos 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	100%

D. Social Media Engagement

1. The ten (10) highest scoring video entries in the pre-judging will be uploaded to the official page of Junior Chemistry Congress.
2. The remaining 10% of the criteria will be based on the social media engagement of the said video.
3. To count the votes, one must first like and follow the official Facebook Page of Junior Chemistry Congress (www.facebook.com/juniorchemistrycongress).
4. Only the like and heart react will be counted for the votes.
5. The voting period will start on **November 10, 2022 (THU)** and will end on **November 14, 2022 (MON)** at 5:00 pm. Votes beyond the said dates and time will not be counted.
6. 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.



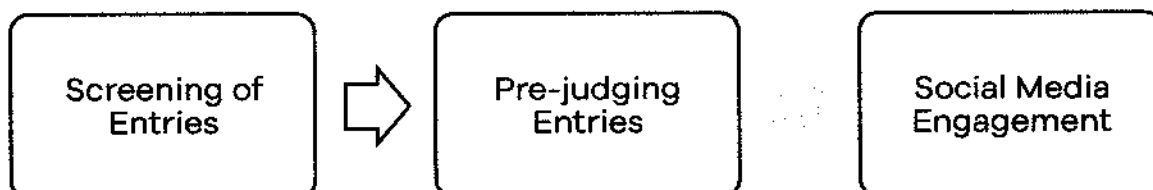


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Guidelines for TumPACS Jr. – Meme Making Competition

A. General Mechanics



TumPACS Jr. Meme Making Competition shall be divided into three rounds: (1) Screening of Entries, (2) Pre-Judging, and the (3) Social Media Engagement.

B. Screening of Entries

1. The participants shall answer the online registration form found at <https://tinyurl.com/JCC2022TumPACSJrMeme> and attach the entry in .png or .jpg format not later than November 4, 2022 (FRI) at 11:59 pm.
2. In case the registration link does not work, kindly access <https://linktr.ee/juniorchemistrycongress> and select "TumPACS Jr. Meme Making" to be redirected to the form.
3. Each entry must contain an informative meme about any topics in the field of chemistry.
4. Each school is only allowed to submit a maximum of 5 memes as their entries.
5. Participant may use any meme templates in relation to their topic of choice.
6. Only the first fifteen (15) entries will be accepted and will be forwarded to the panels for the screening proper.

C. Pre-judging

1. The meme entries must be submitted not later than November 4, 2022 (FRI) at 11:59 pm.
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	100%

D. Social Media Engagement

1. The ten (10) highest scoring entries in the pre-judging will be uploaded to the official page of Junior Chemistry Congress (www.facebook.com/juniorchemistrycongress).
2. The remaining 10% of the criteria will be based on the social media engagement of the said meme.





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3. To count the votes, one must first like and follow the official Facebook Page of Junior Chemistry Congress (www.facebook.com/juniorchemistrycongress).
4. Only the 'LIKE' and 'HAHA' reactions will be counted for the votes.
5. The voting period will start on **November 6, 2022 (SUN)** and will end on **November 10, 2022 (THURS)** at 5:00 pm. Votes beyond the said dates and time will not be counted.
6. 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.





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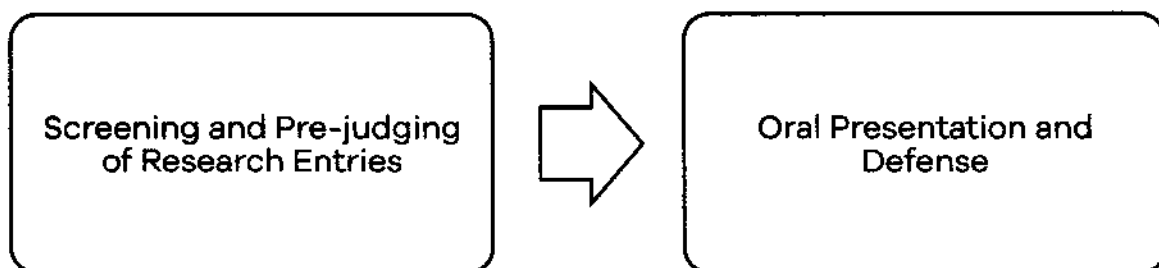
JUNIOR CHEMISTRY CONGRESS 2022 GUIDELINES AND MECHANICS

I. PACSiyensya Jr.

Formerly known as Investigatory Science Contest, PACSiyensya Jr. screens young researchers in hopes of searching the most promising and innovative investigatory project. Those student hopefuls will be screened by well-versed researchers and professionals in various fields.

Guidelines for PACSiyensya Jr.

A. General Mechanics



PACSiyensya Jr. shall be divided into two rounds: (1) Screening and Pre-Judging of Research Entries, and the (2) Oral Presentation and Defense.

B. Screening of Research Entries

1. The participants shall fill up the online registration form found at <https://tinyurl.com/JCC2022PACSiyensyaJr> and send the letter of authenticity to pacs.vpacademics@gmail.com under the subject "School_JCC2022" (e.g., UP_JCC2022) not later than November 4, 2022 (FRI) at 11:59 pm.
2. In case the registration link does not work, kindly access <https://linktr.ee/juniorchemistrycongress> and select "PACSiyensya Jr." to be redirected to the form.
3. Each school is only allowed to submit a maximum of 5 research projects as their entries.
4. Each research project should have been done within 2019-present by an individual or by a group with maximum of three students under the supervision of their respective research adviser or coach. However, entries that have already participated in last year's PACSiyensya Jr. must not be submitted. Failure to comply may lead to disqualification of the participant.
5. The participants shall send their full-length paper to pacs.vpacademics@gmail.com not later than November 4, 2022 (FRI) at 11:59 pm.
6. Only the first thirty (30) research papers will be accepted and will be forwarded to the panels for the screening proper.

