



Republic of the Philippines
Department of Education
Region IV-A
SCHOOLS DIVISION OF QUEZON PROVINCE

DIVISION ADVISORY NO. 131, s. 2021
September 22, 2021

In reference to the letter from the President of the Philippine Association of Chemistry Students, Inc. Mary Michelle T. Delas Alas, this advisory is issued for the information of all PSDSs, Public and Private Secondary School Heads, Public and Private Elementary School Heads, Science Teachers and other Science enthusiasts.

JUNIOR CHEMISTRY CONGRESS (JCC)

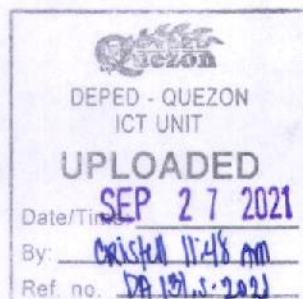
The Philippine Association of Chemistry Students, Incorporated, also known as PACS, Inc invites Science enthusiasts to participate in the Junior Chemistry Congress (JCC) November 13-14, 2021 via Zoom platform.

The JCC is a two-day event composed of a research competition (PACSiyensya Jr.), a symposium (PACSymposium Jr.), an informative video competition and educational meme-making contest (both under TumPACS Jr.). Please see attached for further information.

For queries and clarifications contact 0961104830 or at pacs.vpacademics@gmail.com.

Immediate dissemination of this Memorandum is desired.

ELIAS A. ALICAYA JR. EdD
Assistant Schools Division Superintendent
Officer-In-Charge
Office of the Schools Division Superintendent



cid-ims/ceac/09/22/2021

DEPEDQUEZON-TM-SDS-04-011-003



"Creating Possibilities, Inspiring Innovations"

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DO 092221-103016

September 22, 2021

To whom it may concern:

Warm greetings!

The **Philippine Association of Chemistry Students, Incorporated**, also known as **PACS, Inc.**, is a national, non-stock, non-profit organization geared towards the awareness and improvement of chemistry in the Philippines. 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 57 years, PACS, Inc. has continued its legacy by conducting relevant events, such as symposiums, workshops, and competitions, catered to chemistry students. It now houses more than 1,000 members from its different affiliate organizations nationwide.

Pursuant to its goals, PACS, Inc. will be holding **Junior Chemistry Congress (JCC)** for the second time this year on **November 13-14, 2021** via **Zoom platform**. This aims to promote Chemistry and other related fields as a college degree program for high school students and introduce career opportunities that may be explored. JCC is a two-day event comprised of a research competition (**PACSiyensya Jr.**), a symposium (**PACSymposium Jr.**), an informative video competition and educational meme-making contest (both under **TumPACS Jr.**).

To achieve these objectives, **we humbly request for your help in promoting our event to different high schools within your jurisdiction**. May we also ask for any information you may have that can help us in reaching out to them personally. Rest assured that the contact details you will provide will only be used for the stated purpose in accordance with RA 10173 (also known as the Data Privacy Act of 2012).

Attached are the Junior Chemistry Congress 2021 guidelines and mechanics which includes further details about the event. Should you have any queries, feel free to contact us at **0961104830** or at **pacs.vpacademics@gmail.com**.

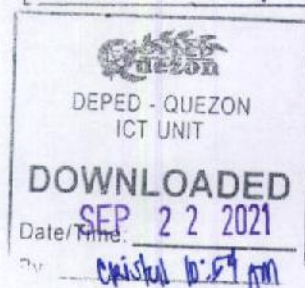
We hope that this letter will be given a favorable response. Thank you and more power!

Sincerely,

Mark Lester C. Galicia
Vice-President for Academic Affairs

Noted by:

Mary Michelle T. Delas Alas
President

Dr. Christina A. Binag
Faculty Adviser

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JUNIOR CHEMISTRY CONGRESS 2021

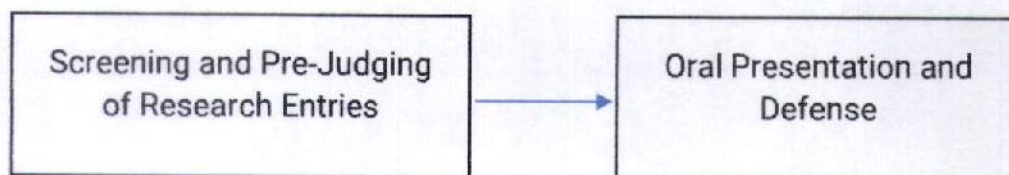
GENERAL GUIDELINES AND MECHANICS

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/PACSiyensya-Jr--JCC-2021> and send the letter of authenticity to pacs.vpacademics@gmail.com under the subject "School_JCC2021" (i.e. PUP_JCC2021) not later than **October 31, 2021 at 11:59 pm.**
2. In case you cannot access the said link, you may also use <https://linktr.ee/PACSAcademics>, just go to PACSiyensya Jr. and it will redirect you to the form.
3. Each school is only allowed to submit a maximum of 5 research projects as their entries.

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- 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 last February's PACSiyensya Jr. **must not be submitted**. Failure to comply may lead to disqualification of the participant.
- The participants shall send their full-length paper to pacs.vpacademics@gmail.com not later than **October 31, 2021 (11:59 PM)**.
- Only the first thirty (30) research papers will be accepted and will be forwarded to the panels for the screening proper.
- 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%
<i>TOTAL</i>	<i>100%</i>

- Qualifying participants for the oral presentation shall be notified via text and email on **November 10**, 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

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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 (confidence, fluency, ability to express your thoughts amidst the pressure)	15%
Mastery (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:

- Introduction - should 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

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- interpretation of findings.
4. 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.
 5. References - should include major references used for the study. The American Chemical Society (ACS) format should be used in citing references.

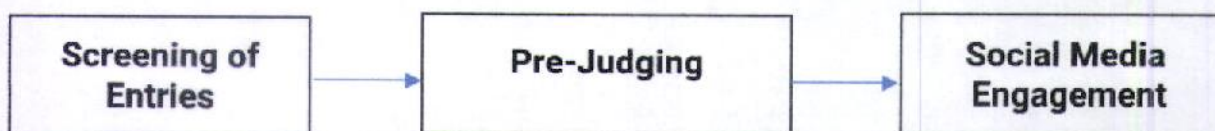
II. TumPACS Jr.

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.

1. Video Competition

Guidelines for TumPACS, Jr. Video Competition

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.

A. Screening of Research Entries

1. The participants shall answer the online registration form found at <https://tinyurl.com/JCC2021TumPACSJrVideoMaking> and attach the video entry in mp4 format not later than **October 31, 2021 at 11:59 pm**. Each entry must contain an informative lesson about any topics in the field of chemistry.
2. In case you cannot access the said link, you may also use <https://linktr.ee/PACSAcademics>, just go to TumPACS Jr. Video Making and it will redirect you to the form.
3. Each school is only allowed to submit a **maximum of 5 videos** as



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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 *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.

B. Pre-judging

1. The video entries must be submitted not later than **October 31, 2021 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	20%
Originality	20%
Clarity of Voice	5%
Visual Aesthetics	5%
TOTAL	90%

C. 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



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Facebook Page of Junior Chemistry Congress
(www.facebook.com/juniorchemistrycongress).

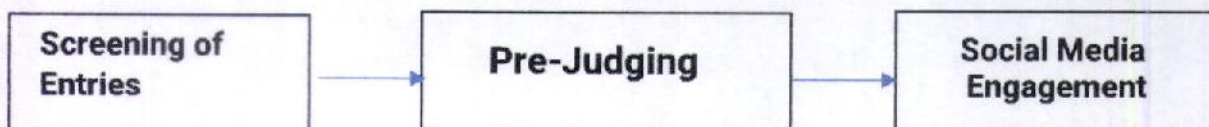
4. Only the like and heart react will be counted for the votes.
5. The voting period will start on **November 8, 2021** and will end on **November 12, 2021 at 5pm**. Votes beyond the said dates and time will not be counted.
6. The scores accumulated from the pre-judging and the equivalent score from the social media engagement will be tallied and added to the final score.

2. Meme-Making

TumPACS Jr. Meme-Making is a new Junior Chemistry Congress sub-event under TumPACS. This sub-event aims to promote scientific knowledge through the use of educational memes.

Guidelines for TumPACS, Jr. Meme-Making

General Mechanics



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

A. Screening of Entries

1. The participants shall answer the online registration form found at <https://tinyurl.com/JCC2021TumPACS-JrMemeMaking> and attach the entry in png format not later than **October 31, 2021 at 11:59 pm**.
2. In case you cannot access the said link, you may also use <https://linktr.ee/PACSAcademics>, just go to TumPACS Jr. Meme-Making and it will redirect you to the form.



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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.

B. Pre-judging

1. The meme entries must be submitted not later than **October 31, 2021 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%
<i>TOTAL</i>	<i>90%</i>

C. 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.
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** react will be counted for the votes.
5. The voting period will start on **November 3, 2021** and will end on **November 7, 2021 at 5pm**. 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 2021

PACSymposium Jr. | PACSiyensya Jr. | TumPACS Jr.

GUIDELINES FOR REGISTRATION

1. Registration forms are online. You can answer the form thru the given links.

PACSymposium Jr.	https://tinyurl.com/ICC-2021-PACSymposium-Jr
PACSiyensya Jr.	https://tinyurl.com/PACSiyensya-Jr---ICC-2021
TumPACS Jr. Video Competition	https://tinyurl.com/ICC2021TumPACSjrVideoMaking
TumPACS Jr. Meme-Making	https://tinyurl.com/ICC2021TumPACS-JrMemeMaking

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 said link, you may also use <https://linktr.ee/PACSAcademics>, just go to your chosen sub and it will redirect you to the form.
4. Payment must be send using the following details:

Bank Name: BDO
Bank Branch: SM CITY MOLINO
Account Name: MELLIZA JOVEL C CASTILLO
Account Number: 000901061891

or via GCash

Name: MELLIZA JOVEL C.
GCash Number: 09068578019

5. Participants for all sub-events who will register on the day of the event will not be entertained. Registration period will start on October 11, 2021 and end on **October 31, 2021 (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.

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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).
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.

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JUNIOR CHEMISTRY CONGRESS 2021

PROGRAM DESIGN

I. Overview

Throughout its 57th year, the Philippine Association of Chemistry Students, Inc. kicks off with the launch of Junior Chemistry Congress with the theme "Activate: Igniting the Spark within Young Filipino Scientists Through Chemical Knowledge". 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 subevents namely PACSymposium Jr. PACSiyenya Jr., and TumPACS Jr. Video Making, and TumPACS Jr. Meme Making.

II. Subevents

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.

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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 Competition 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 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 13, 2021

Time: 9:00 AM

TIME ALLOTTED	ACTIVITY	PERSON/S INVOLVED
9:00 AM- 9:30 AM	Opening of Zoom Meeting Room	Program Committee
9:30 AM -10:40 AM	Introductory Host Spiels	Hosts
10:40 AM- 10:45 AM	Opening Remarks	Mx. Mary Michelle Delas Alas
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

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3:45 PM – 4:00 PM	Awarding of PACSiyensya Jr. Winners	Hosts
4:00 PM- 4:05 PM	Picture Taking	Program Committee
4:05 PM- 4:10 PM	Closing Remarks	Mr. Mark Lester Galicia
4:10 PM- onwards	Closing of the Program	Hosts

Event: PACSymposium Jr.

Date: November 14, 2021

Time: 10:00 AM

TIME ALLOTTED	ACTIVITY	PERSON/S INVOLVED
10:00 AM- 10:30 AM	Opening of Zoom Meeting Room	Program Committee
10:30 AM -10:40 AM	Introductory Host Spiels	Hosts
10:40 AM- 10:45 AM	Opening Remarks	Mx. Mary Michelle Delas Alas
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	Program 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	Program 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	Program Committee
3:30 PM- 3:35 PM	Presentation of Evaluation Forms	Hosts
3:35 PM- 3:40 PM	Closing Remarks	Mr. Mark Lester Galicia
3:40 PM- onwards	Closing of the Program	Hosts

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