



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

DIVISION ADVISORY NO. 013, s. 2021
February 8, 2021

In reference to letter from the Vice President for Academic Affairs, Philippine Association of Chemistry Students, Inc. Mr. Mark Lester C. Galicia this advisory is issued for the information of all PSDSs, Secondary School Heads, Science Teachers and other Science enthusiast.

JUNIOR CHEMISTRY CONGRESS

The Philippine Association of Chemistry Students, Inc. will hold the **JUNIOR CHEMISTRY CONGRESS** on February 20-21, 2021 via ZOOM platform. This event aims to promote chemistry and other related fields (e.g., Biochemistry, chemical Engineering and Food Technology) as a college degree program for high school students and introduce career opportunities.

For more information, please see attached communication.

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

cid/ceao/rqn02/08/2021

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DEPED - QUEZON ICT UNIT
UPLOADED
Date/Time: <u>2/9/21 1:23 PM</u>
By: <u>W/L</u>
Ref. no. <u>DA 013, s. 2021</u>



"Creating Possibilities, Inspiring Innovations"
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PHILIPPINE ASSOCIATION
OF CHEMISTRY STUDENTS
INCORPORATED
EST. 1964

PRIMARY ADDRESS

Unit 235 Cityland Pioneer 128 Pioneer St.
Highway Hills, Mandaluyong City

SECONDARY ADDRESS

Department of Physical Sciences, College of Science,
Polytechnic University of the Philippines, Sta. Mesa, Manila

January 29, 2021

Dear High School Head / High School Superintendent:

Warm greetings!

The **Philippine Association of Chemistry Students, Inc.**, also known as **PACS, Inc.**, is a national, non-stock, non-profit organization geared towards the awareness and improvement of chemistry in the Philippines. The organization has over 1,000 members from different schools in Luzon, Visayas, and Mindanao – future Chemistry Teachers, Chemists, Biochemists, and Chemical Engineers of our nation.

For the past 57 years, PACS, Inc. has maintained this legacy by spearheading events and bringing together Chemistry students from its different affiliate organizations across the country.

With this, we will be holding the **Junior Chemistry Congress on February 20-21, 2021** via **Zoom platform**. This event aims to promote Chemistry and other related fields (*e.g.* Biochemistry, Chemical Engineering and Food Technology) as a college degree program for high school students and introduce career opportunities that lie ahead.

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.

Attached herewith are our organizational profile and the program design for your reference. Should you have any queries, feel free to reach us through the following contact details:

Ashley L. Quebrado 09234536423
Mark Lester C. Galicia 09611004830

pac.s.president@gmail.com
pac.s.vpacademics@gmail.com





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

Respectfully,

Mark Lester C. Galicia

Vice President for Academic Affairs, AY 2020-2021
Philippine Association of Chemistry Students, Inc.

Noted by:

Ashley L. Quebrado

President, AY 2020-2021
Philippine Association of Chemistry Students, Inc.

Dr. Christina A. Binag

Faculty Adviser, AY 2020-2021
Philippine Association of Chemistry Students, Inc.



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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 2021 with the theme “_____”. 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 three subevents namely PACSymposium Jr. PACSiyensya Jr., and TumPACS Jr.

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 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 catalyst 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.

A new event of PACS, Inc. for the new normal The TumPACS Jr. is a new sub-event launched this year. This sub-event aims to showcase the knowledge of high school students in different topics in the field of chemistry using the video platform Tiktok.



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III. Program Flow

Event: PACSymposium Jr.

Date: February 21, 2021

Time: 10:30 AM

Time Allotted	Duration	Activity	Person/s Involved
10:00-10:30	30 mins	Opening of link and Registration	Program Committee
10:30-10:40	10 mins.	Introductory Host Spiels	Hosts
10:40-10:45	5 mins.	Opening Remarks	Ms. Ashley Quebrado
10:45-10:55	10 mins.	Introduction of the First Speaker	Hosts
10:55-11:25	30 mins.	Speaker 1 (Academe)	Mr. Reuben James Rosal, RCh
11:25-11:45	20 mins.	Open Forum	Hosts and Speakers
11:45-11:55	10 mins.	Awarding of Certificate of Appreciation	Hosts and Speaker
11:55-12:00	5 mins	Picture Taking	Hosts
12:00-12:10	10 mins.	Introduction of the Second Speaker	Hosts
12:10-12:40	30 mins	Speaker 2 (Research and Development)	Mr. Alvin Kier Gallardo, RCh
12:40-1:00	20 mins.	Open Forum	Hosts and Speakers
1:00-1:10	10 mins.	Awarding of Certificate of Appreciation	Hosts and Speaker
1:10-1:15	5 mins	Picture Taking	Hosts
1:15-2:00	45 mins	Break	Hosts
2:00-2:10	10 mins.	Introduction of the Third Speaker	Hosts
2:10-2:40	30 mins.	Speaker 3 (Industry)	Engr. Mark Anthony Caro
2:40-3:00	20 mins.	Open Forum	Hosts and Speakers
3:00-3:10	10 mins.	Awarding of Certificate of Appreciation	Hosts and Speaker
3:10-3:15	5 mins.	Picture Taking	Hosts
3:15-3:20	5 mins.	Closing Remarks	Mr. Mark Lester Galicia
3:20-3:30	10 mins.	Closing of the Program	Hosts



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Event: PACSiyensya Jr. and TumPACS Jr.

Date: February 21, 2021

Time: 1:30 PM

Time Allotted	Duration	Activity	Person/s Involved
1:00-1:30	30 mins	Opening of link and Registration	Program Committee
1:30-1:40	10 mins.	Introductory Host Spiels	Hosts
1:40-1:50	10 mins.	Opening Remarks	Ms. Ashley Quebrado
1:50-2:05	15 mins.	Introduction of the Panel	Hosts
2:05-2:55	50 mins.	Presentation Proper of Cluster 1 Research	Host and Presentors
2:55-3:45	50 mins	Presentation Proper of Cluster 2 Research	Host and Presentors
3:45-4:35	50 mins.	Presentation Proper of Cluster 3 Research	Host and Presentors
4:35-4:55	20 mins.	Awarding of Certificates for the Panel	Hosts and Speaker
4:55-5:10	15 mins.	Awarding of Certificates for the Winners	Hosts
5:10-5:20	10 mins	Announcement of Winners for TumPACS	Hosts
5:20-5:25	5 mins.	Picture Taking	Hosts
5:25-5:35	10 mins.	Closing Remarks	Mr. Mark Lester Galicia
5:35 onwards		Closing of the Program	Hosts and Speaker



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Junior Chemistry Congress 2021

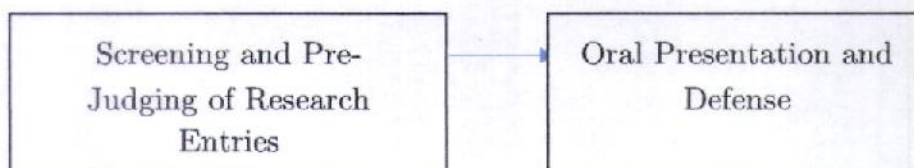
General Guidelines and Mechanics

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 PreJudging 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/PACSiyensyaJr2021> and send the letter of authenticity to pacs.vpacademics@gmail.com under the subject "School_JCC2021" not later than February 14, 2021, 11:59 PM.
2. Each research project should have been done within AY 2019present by an individual or by a group with maximum of three students under the supervision of their respective research adviser or coach.
3. The participants shall send their full-length paper to pacs.vpacademics@gmail.com not later than February 14, 2021, 11:59 PM.



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- 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%
TOTAL	100%

- Qualifying participants for the oral presentation shall be notified via text and email on **February 17**, at the latest.

C. Oral Presentation and Defense

- The highest scoring participants in the exhibit will proceed to the oral presentation.
- A PowerPoint presentation containing their investigatory project must be prepared by the contestants.
- 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 5 minutes and a maximum of 7 minutes.
- 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%



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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:

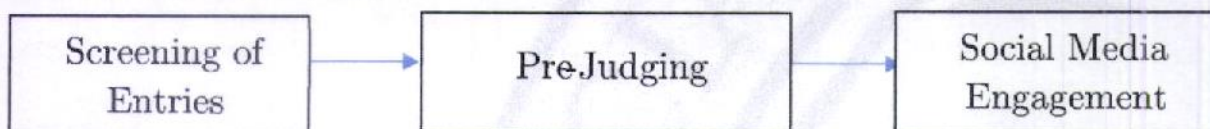
1. Introduction – should include the background information, statement of the problem, the significance or relevance of the study, the objectives must be clearly stated.
2. Methodology – systematic presentation of the methodology, preferably in schematic diagram, flowcharts, etc.
3. Results and Discussion – use diagrams and tables preferably for the results, the discussion is an in-depth analysis and 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 new Junior Chemistry Congress sub-event. This sub-event aims to promote scientific knowledge regarding chemistry through social media. The current events drove the era of online learning, hence,

Guideline for TumPACS Jr.

A. General Mechanics





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

B. Screening of Research Entries

1. The participants shall answer the online registration form found at <https://tinyurl.com/TumPACSJr2021> and attach the video entry in mp4 format not later than February 14, 2021, 11:59 PM in.
2. Each entry must contain an informative lesson about any topics in the field of chemistry.
3. Participant may use any texts or props related to their topic of choice.
4. 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 February 14, 2021, 11:59 p.m. 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%

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.



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3. To count the votes, one must first like and follow the official Facebook Page of Junior Chemistry Congress
4. Only the like and heart reacts will be counted for the votes.
5. The voting period will start on February 15 and ends on February 19, 2021, 11:59 pm. Votes beyond the said dates and time will not be counted.
6. The scores accumulated from the prejudging 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 | PACSiyensya | TumPACS Jr.

GUIDELINES FOR REGISTRATION

1. Registration Forms are online. You can answer the online form found in these links:
For PACSymposium Jr.: <https://tinyurl.com/PACSymposiumJr2021>
For PACSiyensya Jr.: <https://tinyurl.com/PACSiyensyaJr2021>
For TumPACS Jr.: <https://tinyurl.com/TumPACSJr2021>
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.
2. Participants for all sub-events who will register on the day of the event will not be entertained. Stated below are the following deadlines and requirements for registration per sub-event:
 - a. To register for PACSymposium Jr., the online registration form must be accomplished on or before February 19, 2021, 11:59 PM.
 - b. On the other hand, PACSiyensya Jr. will only have a single registration season. The online registration form must be accomplished on or before February 14, 2021, 11:59 PM. The letter of authenticity, and full-length paper must be sent on or before February 14, 2021, 11:59 PM.
 - c. Lastly, TumPACS Jr. will also be only having a single registration season. The online registration containing the video entry must be accomplished on or before February 14, 2021, 11:59 PM.
3. The participants for PACSiyensya Jr., TumPACS Jr., and PACSymposium Jr. should be bona fide students of the participating school enrolled in Grade 9, Grade 10, Grade 11, or Grade 12.
4. Participants for PACSiyensya Jr. must upload their 2x2 formal photo and Curriculum Vitae in the designated Google Drive Folder found in this link: <https://tinyurl.com/JCC2021-PACSiyensyaJr>, using the filename format: "Surname, First Name-School Name".



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5. The video entries for TumPACS Jr. participant must be in .mp4 format. The filename must be as follows: "Surname, First Name-Topic-School Name".
6. Registration is only considered final once the online registration form has been accomplished. A notification will be given once the registration has been received.



LETTER OF AUTHENTICITY

(Name of Presenter 1)

(Name of Presenter 2)

We, _____ and _____
bona fide students of _____ swear on our honor that our research entry entitled

_____ which was done within 2019-present, is original, authentic, and not a product of plagiarism or any academic dishonesty. Moreover, we will abide by any sanction if our research is proven fraudulent.

Presenter 1

Presenter 2

Verified by:

Coach

Principal/Director/Science Coordinator