

Advisory No. 033 , s. 2023

April 20, 2023

In compliance with DepEd Order (DO) No. 8, s. 2013
this advisory is issued not for endorsement per DO 28, s. 2001,
but only for the information of DepEd officials,
personnel/staff, as well as the concerned public.
(Visit www.depedbatangas.com)

CHEIN REACTION 2023

The Junior Philippine Institute of Chemical Engineers-Batangas State University (JPICHe-BatStateU) will conduct the ChEin Reaction 2023 on April 22, 2023 (Saturday) and April 23, 2023 (Sunday) at the Batangas State University – The National Engineering University (Alangilan Campus) Fitness Development Center.

This event aims to recognize students' potential and enhance their competencies in scientific, technical, and innovative fields.

The target participants are the Junior and Senior high school students.

Participation of public and private schools shall be subject to the no-disruption-of-classes policy stipulated in DepEd Order No. 9, s. 2005 entitled "Instituting Measures to Increase Engaged Time-on-Task and Ensuring Compliance Therewith" and the no-collection policy as stated in Section 3 of Republic Act No. 5546, An Act Prohibiting the Sale of Tickets and/or the Collection of Contributions for Whatever Project or Purpose from Students and Teachers of Public and Private Schools, Colleges and Universities (Ganzon Law).

For more information, contact:

- Ms. Franceise Bhien C. Almirol
Overall Head of ChEin Reaction 2023
Mobile No.: 09997063158 / 09153791720
jpiche.cheinreaction2023@gmail.com



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Time: 11:35 AM
By: Dianne

April 3, 2023

MERTHEL M. EVARDOME
Schools Division Superintendent
DepEd-Batangas

Madam:

Greetings!

The **Junior Philippine Institute of Chemical Engineers–Batangas State University (JPIChE-BatStateU)** of the Chemical Engineering Department commemorates its 24th year of promulgating academic excellence and fostering harmonious relationships across the members of the organization. With this, the organization has assembled an event that greatly embodies its philosophy, as well as the University's mission, vision, and core values.

In this regard, **JPIChE-BatStateU** will be commencing **ChEin Reaction 2023** with a theme, **“Revolutionizing the Future through 24 Years of Cultivating Resilience and Sustainable Excellence”**, which is an annual event composed of different competitions and academic activities to recognize students' potential and enhance their competencies in scientific, technical, and innovative fields. Within ChEin Reaction 2023 is the **8th Science Investigatory Project Competition**, which is a research competition for **Junior and Senior High School students** that aims to uplift its participants' abilities in developing research studies and enhance their communication skills through the presentation of their corresponding projects; the **4th STEM Interscholastic Quiz Show**, which is a quiz competition open for **Senior High School students from the STEM strand** that aims to highlight the intellectual aptitudes of its participants when it comes to STEM fields; and the **5th ChExpertise**, which is a pitching competition open for **Senior High School students of different strands** that aims to hone the pitching and communication skills of its participants through the presentation of their respective project proposals. In addition to these three competitions, ChEin Reaction 2023 will also include **ChEssions 2023**, a seminar focused on providing the participants relevant insights on seeking for and applying various approaches towards sustainability. Along with all of these subevents, the organization will also carry out **ChExhibit 2023**, which is a series of academic-related booths that shall showcase the creativity and innovative talents of Chemical Engineering Students.

For this year, ChEin Reaction 2023 will be held on **April 22, 2023, Saturday, from 7:00 AM to 5:20 PM** and **April 23, 2023, Sunday, from 7:00 AM to 1:45 PM** at the **Batangas State University - The National Engineering University (Alangilan Campus) Fitness Development Center**.

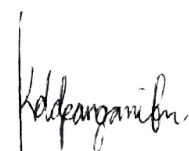
In line with this, we would like to ask permission from your well-established office to allow public secondary schools, both Junior and Senior High School, across the **DEPED-BATANGAS** to participate in the aforementioned event. Your approval regarding this matter will be highly appreciated and we look forward to your steadfast response. Thank you very much.

For inquiries, you may contact **Ms. Franceise Bhien C. Almirol**, Overall Head of ChEin Reaction 2023, at **09997063158** for **Smart** and **09153791720** for **Globe**, or email us at **jpiche.cheinreaction2023@gmail.com**.

Sincerely,


MIKKEL FRANZ M. ANGELES
President, JPIChE-BatStateU

Noted By:


Engr. KIM DOWELL D. PANGANIBAN
Adviser, JPIChE-BatStateU

Approved By:


Engr. REJIE C. MAGNAYE
Department Chair, Department of Chemical Engineering



8TH SIP

The 8th Science Investigatory Project Competition (8th SIP) is a research competition and presentation for Junior and Senior High School students in the fields of Life Science and Applied Science. As a beacon for innovation, this sub-event shall test its participant's capabilities of providing sustainable solutions to contemporary challenges faced by local communities.

5TH CHEXPERTISE

The 5th ChExpertise, commenced to maximize the event's vision of progress, is a pitching, promotional video, and infographics competition for Senior High School students that aims to highlight their aptitudes and capabilities in the aforementioned skills, as well as other fields in general. As a haven for communicators, this sub-event shall test the persuasive capabilities of its daring participants.

4TH STEMIQS

The 4th STEM Interscholastic Quiz Show (4th STEMIQS) is the ultimate clash between the most excellent scientific minds which shall test STEM Senior High School students' mastery of scientific and mathematical concepts through a quiz competition on the aforementioned fields. As quizzers brace their intellectual weapons, their aptitudes on the various sciences shall be highlighted; as the most proficient shall reign victorious.

CHESSIONS 2023

ChEssions 2023, possessing its own theme of "PARALLAX: Looking through the Lenses of Future Through Optimized Innovations", is a seminar discussing various methods and approaches towards sustainability in the modern world. As a haven of insight, this sub-event seeks to impart the most relevant knowledge regarding the topic to its participants through its two sessions:

MAGNIFY: Zooming through the Realm of Possibilities towards Green Production

This session shall focus on sustainable production and the upgrading of current production processes.

FOCAL: The Polar Sides of Resilient Planning for an Equitable Future

This session shall tackle strategic and resilient planning through science with the aim of sustainable development.

CHEXHIBIT 2023

ChExhibit 2023 is a series of academic booths that shall cater to participants of ChEin Reaction 2023. Lining the school grounds during the event proper, this sub-event shall welcome participants to JPIChe-BatStateU's much awaited ChEin Reaction.

CHEIN REACTION 2023

CHEIN REACTION

2023

Revolutionizing the Future through 24 Years of Cultivating
Resilience and Sustainable Excellence

April 22-23, 2023

 @JPIChEBatStateU
 @JPIChE_BSU
 @jpiche_batstateu

**Junior Philippine Institute of
Chemical Engineers**
Batangas State University
The National Engineering University



CHEIN REACTION

2023

Revolutionizing the Future through 24 Years of Cultivating
Resilience and Sustainable Excellence

APRIL 22-23, 2023

On its 24th year, ChEin Reaction 2023, themed “Revolutionizing the Future through 24 Years of Cultivating Resilience and Sustainable Excellence”, has persistently fostered a vision for sustainability and innovation that is embodied through remarkable excellence and aptitude in scientific and technical fields. Highlighting the prowess of students as future pioneers and nation builders, this event’s objectives of moving ever upward are made possible through its sub-events; for this year in particular, the 8th Science Investigatory Project Competition, the 5th ChExpertise, the 4th STEM Interscholastic Quiz Show, ChEssions 2023, and ChExhibit 2023.

Facebook: @JPICHEBatStateU
Twitter: @JPICHE_BSU
Instagram: @jpiche_batstateu

Junior Philippine Institute of
Chemical Engineers
Batangas State University
The National Engineering University



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2023

Revolutionizing the Future through 24 Years of Cultivating
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ZOOMING THROUGH THE REALM OF
POSSIBILITIES TOWARDS GREEN PRODUCTION

This session shall focus on sustainable production and the upgrading of current production processes.

FOCAL:

THE POLAR SIDES OF RESILIENT PLANNING
FOR AN EQUITABLE FUTURE




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4TH STEM INTERSCHOLASTIC QUIZ SHOW

The 4th STEM Interscholastic Quiz Show (4th STEMIQS) is the ultimate clash between the most excellent scientific minds which shall test STEM Senior High School students' mastery of scientific and mathematical concepts through a quiz competition on the aforementioned fields. As quizzers brace their intellectual weapons, their aptitudes on the various sciences shall be highlighted; as the most proficient shall reign victorious.

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8TH SCIENCE INVESTIGATORY PROJECT COMPETITION

The 8th Science Investigatory Project Competition (8th SIP) is a research competition and presentation for Junior and Senior High School students in the fields of Life Science and Applied Science. As a beacon for innovation, this sub-event shall test its participant's capabilities of providing sustainable solutions to contemporary challenges faced by local communities.

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Junior Philippine Institute of
Chemical Engineers
Batangas State University
The National Engineering University



PROGRAM OF ACTIVITY - DAY 1



7:00 AM - 8:30 AM	REGISTRATION	12:00 PM - 1:00 PM	LUNCH BREAK
8:30 AM - 8:35 AM	INVOCATION	1:00 PM - 1:05 PM	INTERMISSION NUMBER CHEMICAL ENGINEERING STUDENTS
8:35 AM - 8:40 AM	NATIONAL ANTHEM	1:05 PM - 1:15 PM	AWARDING CEREMONY CERTIFICATE OF APPRECIATION JUDGES OF 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION JUDGES OF 5TH CHEXPERTISE
8:40 AM - 8:50 AM	TEASER PRESENTATION	1:15 PM - 1:20 PM	INTRODUCTION OF JUDGES 4TH STEM INTERSCHOLASTIC QUIZ SHOW (FINALS)
8:50 AM - 9:00 AM	OPENING PRODUCTION NUMBER CHEMICAL ENGINEERING STUDENTS	1:20 PM - 1:25 PM	INTRODUCTION OF QUIZ MASTERS
9:00 AM - 9:05 AM	WELCOMING REMARKS DR. REYNATO A. GAMBOA DEAN, COLLEGE OF ENGINEERING	1:25 PM - 1:35 PM	DISCUSSION OF MECHANICS 4TH STEM INTERSCHOLASTIC QUIZ SHOW
9:05 AM - 9:10 AM	MESSAGE ENGR. REJIE C. MAGNAYE DEPARTMENT CHAIR, DEPARTMENT OF CHEMICAL ENGINEERING	1:35 PM - 2:20 PM	COMPETITION PROPER (EASY ROUND) 4TH STEM INTERSCHOLASTIC QUIZ SHOW
9:10 AM - 9:25 AM	INTRODUCTION OF PARTICIPATING 4TH STEM INTERSCHOLASTIC QUIZ SHOW 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION 5TH CHEXPERTISE	2:20 PM - 2:35 PM	ICE BREAKER
9:25 AM - 9:30 AM	UNITY WAVE DEMONSTRATION	2:35 PM - 3:25 PM	COMPETITION PROPER (AVERAGE ROUND) 4TH STEM INTERSCHOLASTIC QUIZ SHOW
9:30 AM - 9:50 AM	DISCUSSION OF GUIDELINES 4TH STEM INTERSCHOLASTIC QUIZ SHOW 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION 5TH CHEXPERTISE	3:25 PM - 3:40 PM	RAFFLE
9:50 AM - 10:00 AM	INTRODUCTION OF JUDGES 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION 5TH CHEXPERTISE	3:40 PM - 3:45 PM	INTERMISSION NUMBER CHEMICAL ENGINEERING STUDENTS
10:00 AM - 12:00 PM	COMMENCEMENT OF SUB-EVENTS ELIMINATION PROPER OF STEMIQS PARTICIPATING TEAMS (FITNESS DEVELOPMENT CENTER) DEFENSE OF SIP PARTICIPATING TEAMS (FITNESS DEVELOPMENT CENTER) PITCHING COMPETITION OF CHEXPERTISE PARTICIPATING TEAMS (FITNESS DEVELOPMENT CENTER)	3:45 PM - 4:45 PM	COMPETITION PROPER (DIFFICULT ROUND) 4TH STEM INTERSCHOLASTIC QUIZ SHOW
		4:45 PM - 4:50 PM	DANCE NUMBER CHEMICAL ENGINEERING STUDENTS
		4:50 PM - 5:10 PM	AWARDING CEREMONY CERTIFICATE OF APPRECIATION JUDGES OF 4TH STEM INTERSCHOLASTIC QUIZ SHOW CERTIFICATE OF RECOGNITION WINNERS OF 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION WINNERS OF 5TH CHEXPERTISE WINNERS OF 4TH STEM INTERSCHOLASTIC QUIZ SHOW
		5:10 PM - 5:20 PM	REMINDERS AND TEASER PRESENTATION

PROGRAM OF ACTIVITY - DAY 2

7:00 AM - 8:30 AM

REGISTRATION

8:30 AM - 8:35 AM

INVOCATION

8:35 AM - 8:40 AM

NATIONAL ANTHEM

8:40 AM - 8:50 AM

TEASER PRESENTATION

8:50 AM - 9:00 AM

OPENING PRODUCTION NUMBER

CHEMICAL ENGINEERING STUDENTS

9:00 AM - 9:05 AM

WELCOMING REMARKS

DR. REYNATO A. GAMBOA
DEAN, COLLEGE OF ENGINEERING

9:05 AM - 9:10 AM

MESSAGE

ENGR. REJIE C. MAGNAYE
DEPARTMENT CHAIR, DEPARTMENT OF
CHEMICAL ENGINEERING

9:10 AM - 9:20 AM

RECOGNITION OF SPONSORS

9:20 AM - 9:25 AM

INTRODUCTION OF PARTICIPATING TEAMS

8TH SCIENCE INVESTIGATORY PROJECT COMPETITION

9:25 AM - 9:30 AM

UNITY WAVE DEMONSTRATION

9:30 AM - 9:40 AM

DISCUSSION OF GUIDELINES

8TH SCIENCE INVESTIGATORY PROJECT COMPETITION

9:40 AM - 9:45 AM

INTRODUCTION OF JUDGES

8TH SCIENCE INVESTIGATORY PROJECT COMPETITION

9:45 AM - 12:00 PM

COMMENCEMENT OF SUB-EVENTS

DEFENSE OF SIP PARTICIPATING TEAMS (FITNESS DEVELOPMENT CENTER)
CHESSIONS 2023 (FITNESS DEVELOPMENT CENTER)
OPENING OF CHEXHIBIT BOOTHS (FITNESS DEVELOPMENT CENTER)

12:00 PM - 1:00 PM

LUNCH BREAK

1:00 PM - 1:05 PM

DANCE NUMBER

CHEMICAL ENGINEERING STUDENTS

1:05 PM - 1:30 PM

AWARDING CEREMONY

CERTIFICATE OF APPRECIATION
JUDGES OF 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION

CERTIFICATE OF RECOGNITION
AMBASSADOR AND AMBASSADRESS OF CHESSIONS 2023
WINNERS OF 8TH SCIENCE INVESTIGATORY PROJECT COMPETITION
OVERALL CHAMPION OF CHEIN REACTION 2023

1:30 PM - 1:35 PM

CLOSING REMARKS

ENGR. KIM DOWELL PANGANIBAN
ADVISER, JPICHE-BATSTATEU

1:35 PM - 1:45 PM

REMINDERS AND TEASER PRESENTATION

