



# DepEd – DIVISION OF QUEZON

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"Creating Possibilities, Inspiring Innovations"



Registration Number:  
QAC/R63/0216

## DIVISION ADVISORY NO. 099, s. 2018 December 10, 2018

In reference to the letter of MR. JOSEPH R. JACOB, Director of the STEM HUB this advisory is issued for the information of the Public Schools District Supervisors, Elementary and Secondary School Heads (public and private) and all concerned.

### 2<sup>nd</sup> NATIONAL SCIENCE AND ENGINEERING FAIR (NSEF) PHILIPPINES

The STEM Education Training Hub, a premier institution which focuses on STEM education will hold the 2<sup>nd</sup> National Science and Engineering Fair (NSEF) Philippines to be held on February 2-3, 2019 at the Teachers' Camp, Baguio City.

Please see attached communication for the mechanics and guidelines for the fair issued by Mr. JOSEPH R. JACOB.

  
**MERTHEL M. EVARDOME, CESO IV**  
Schools Division Superintendent


DEPED - QUEZON ICT UNIT
<b>UPLOADED</b>
Date/Time: <u>12-11-18</u>
By: <u>Galen</u>
Ref. no. _____

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DEPEDQUEZON-TM-SDS-04-011-001

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SBS-066

# 2<sup>nd</sup> National Science & Engineering Fair 2019 PHILIPPINES

February 2-3, 2019, Teachers Camp, Baguio City



November 6, 2018

Dear Sir / Madam

**SUBJECT: 2<sup>ND</sup> NATIONAL SCIENCE AND ENGINEERING FAIR PHILIPPINES**

A pleasant day to you!

In support to the thrust of the Department of Education curriculum in cultivating a nation full of critical thinking and problem solving citizens through holistic learning and standards-based education, the STEM Hub, a premier institution which focuses on STEM Education, research and education programs would like to seek for your endorsement for the 2<sup>nd</sup> National Science and Engineering Fair (NSEE) Philippines to be held at the Teachers' Camp, Baguio City on February 2-3, 2019.

The program aims to create a culture of research in the nation and bring about opportunities for learning and collaboration platform among the yung scientific minds and teachers. In April 2018, there were about 300 young research finalists and observers with 81 research projects from all over the country participated in the 1<sup>st</sup> NSEE. We are successful in the digital publication of these abstracts in the National Library of Singapore through the support of our international partner Ascendens Asia Singapore. We are expanding this program by opening it to elementary, high school, and college students and basic education teachers to promote our thrust and support in the STEM education in a wider scope.

We respectfully seek for your favor by helping us reach students and teachers who have great interest in the field of scientific and multidisciplinary research. Hoping that with your support, we could be able to create a civilization filled with scientific minds that have greater appreciation and desire to improve the lives of the human beings, the society and the environment.

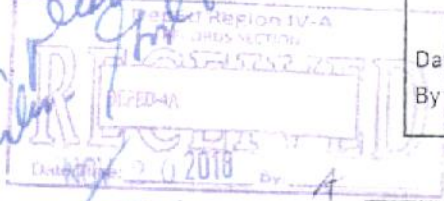
Attached are the details of the events as well as the program matrix for reference.

Thank you very much,

Sincerely,

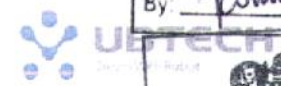
*Handwritten signature of Joseph R. Jacob*  
**JOSEPH R. JACOB, MBA, MAEd, FRIED**  
Director, The STEM Hub  
AVP, Ascendens Asia Singapore  
Former Supervising Education Program Specialist, DepEd Central Office

*Handwritten notes:*  
To SDS  
For your appropriate action please refer to the attached  
*Handwritten signature:* [Signature]



Organized by:

Supported and Endorsed by:



Excelandia



## ELEMENTARY CATEGORY

### Science Invention & Investigation Competition

This event is open for elementary pupils ages 8-12 from private and public schools that have the interest in creating new products and finding answers to questions through investigation. It aims to develop critical thinking and problem solving skills among children.

Categories:

#### 1. Invention

This category is open for individuals and team who would want to showcase their noble invention that may be beneficial to human beings, environment of the society. Project description supported by pictures should be emailed for pre-evaluation.

#### 2. Investigation

This category will focus on the scientific investigation made by the pupils. The projects may focus on science, mathematics or robotics. Project description should be emailed for pre evaluation.

How to join:

- A. With the assistance of the school adviser, email us at [nsefp1@gmail.com](mailto:nsefp1@gmail.com) to express you intent to join NSEF 2019 and attached the following:
  - a) Project Description
  - b) Copy of the deposit slip of P300 pre evaluation fee
  - c) Information (name, school, grade level, age, name of the adviser)
  - d) Parent consent indicating that the child is allowed to join the competition
- B. You will receive a feedback to inform you if you qualify for the competition. You will receive the details of the competition including the write ups needed to be submitted. Deposit the registration fees within 5 days after the confirmation.

## JUNIOR & SENIOR HIGH SCHOOL CATEGORY

### Scientific Research Competition

Description

This event is open for students from public and privates schools ages 13-18. It is a venue for the youth of the country to express and practice their acquired scientific skills by finding solutions to the societal, environmental and even community problems through scientific research.

Categories:

#### 1. Experimenting Category

This category includes the following topics:  
Behavioural & Social, Sciences, Biology,  
Chemistry, Environmental, Flora & Fauna, Food  
Science

#### 2. Engineering Category

This category includes the following topics:  
Astrophysics, Energy & Space, Physics, Electricity  
& Electronics, Inventions & Innovations, Robotics,  
Computer Science & Math

#### 3. Multidisciplinary Category (Open Category)

This category includes research topics other than experimenting and engineering categories.

How to join:

- A. Email us at [nsefp1@gmail.com](mailto:nsefp1@gmail.com) to express you intent to join NSEF 2019 and attached the following:
  - a) Abstract for the Research Competition
  - b) Project Description only for
    - Science Investigatory Projects
    - Science and Mathematics Intervention Materials
    - Creative Lesson Plan Competition
  - c) Copy of the deposit slip of P300 pre evaluation fee
  - d) Information sheet.
- B. You will receive a feedback to inform you if you qualify for the competition. You will receive the details of the competition including the write ups needed to be submitted. Deposit the registration fees within 5 days after the confirmation.

## COLLEGE/ UNIVERSITY CATEGORY

### Scientific Research Competition

This event is open for college students from public schools ages 18-23. It is a venue for the students of the country to express and practice their acquired scientific skills by finding solutions to the societal, environmental and even community problems through scientific research.

Categories:

#### 1. Experimenting Category

This category includes the following topics:  
Behavioural & Social, Sciences, Biology,  
Chemistry, Environmental, Flora & Fauna, Food  
Science

#### 2. Engineering Category

This category includes the following topics:  
Astrophysics, Energy & Space, Physics, Electricity  
& Electronics, Inventions & Innovations, Robotics,  
Computer Science & Math

#### 3. Multidisciplinary Category (Open Category)

This category includes research topics other than experimenting and engineering categories.

How to join:

- A. Email us at [nsefp1@gmail.com](mailto:nsefp1@gmail.com) to express you intent to join NSEF 2019 and attached the following:
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## TEACHERS CATEGORY

### Scientific Research Competition

This event is open for all basic education teachers from public and private schools. It is a venue for teachers who would like to share their research discoveries and expertise to the public for the improvement of the society, environment and lives of the human beings.

#### Categories:

#### 1. Research Competition

##### a) Experimenting Category

This category includes the following topics: Behavioural & Social, Sciences, Biology, Chemistry, Environmental, Flora & Fauna, Food Science

##### b) Engineering Category

This category includes the following topics: Astrophysics, Energy & Space, Physics, Electricity & Electronics, Inventions & Innovations, Robotics, Computer Science & Math

##### c) Multidisciplinary Category (Open Category)

This category includes research topics other than experimenting and engineering categories.

#### How to join:

- A. Email us at [nsefp1@gmail.com](mailto:nsefp1@gmail.com) to express your intent to join NSEF 2019 and attached the following:
- e) Abstract for the Research Competition
  - f) Project Description
  - g) Copy of the deposit slip of P300 pre evaluation fee
  - h) Information sheet.
- B. You will receive a feedback to inform you if you qualify for the competition. You will receive the details of the competition including the write ups needed to be submitted. Deposit the registration fees within 5 days after the confirmation.

## TEACHERS CATEGORY

### Creative Lesson Plan Competition

This contests aims to produce a repository of the creative lesson plans that will meet the needs of the 21st century learners. This will serve as a professional opportunity for the teachers in the country to have their work recognized in a bigger scale. This is open for the Filipino teachers in from private and public schools in the country and abroad including the Philippine Schools Overseas (PSO).

This event is open for the following teachers:

- Science
- Mathematics
- Research
- English

The categories are as follows:

- Elementary
- High school
- Senior High School
- Pre-service teachers (students who are taking up education courses)

Mechanics:

A. Based on your experience as a teacher, select a particular curriculum standard/s (in a form of competency or a performance standard) that may be presented in a creative or unique, way leading to easy understanding of the concepts and skills.

B. Create a one page lesson plan in Word Format (A4 Size, Font: Arial, Font Size of Texts: 11) and a one page activity sheet

#### LESSON PLAN TITLE

Grade Level / Subject / Strand

Objective/s:

Procedure:

National Science and Engineering Fair Philippines 2018  
Creative Lesson Plan Competition

Name:

School / City or Province

Email:

#### ACTIVITY SHEET TITLE

Procedure / Mechanics:

National Science and Engineering Fair Philippines 2018  
Creative Lesson Plan Competition

Name:

School / City of Province

Email:

C. The lesson plans will judged according to the following criteria:

- Alignment to the target curriculum standards
- Provision for effective assessment
- 21st century skills development/integration