Division Memorandum

No. SCI s. 2019

July 9, 2019

Participation to the 1st DOST-SEI STAR International Conference

To: ELIZABETH R. BUERON, MAVED
Principal II
Kapatagan National High School

Attention: RIO A. CALAMOHYOY
Teacher, KNHS

1. Attached is the Unnumbered Regional Memorandum dated June 28, 2019, with the enclosed letter from the Science Education Institute, Department of Science and Technology through the Project Science Teacher Academy for the Regions (STAR), informing the conduct of the 1st DOST-STAR International Conference on August 7-9, 2019 at the PICC, Roxas Boulevard, Manila.

2. In line with this, Rio A. Calamohoy, is advised to attend said conference.

3. The registration, meals and conference materials shall be shouldered by the DOST-SEI while accommodation, transportation, certain meals and other incidental expenses shall be charged against local funds, all subject to the usual accounting and auditing rules and regulations.

4. For information, guidance and compliance.

WINNIE E. BATOON, Ed. D.
Assistant Schools Division Superintendent
Office-in-Charge
Office of the Schools Division Superintendent

Encls: As stated
Reference: Unnumbered Regional Memorandum dated June 2, 2019
To be indicated in the Perpetual Index under the following subjects:
CURRICULUM
SCIENCE
CONFERENCES
Ibj: participation to the 1st dost-sei star international conference 9 July, 2019
MEMORANDUM

To: Schools Division Superintendents
Divisions of Tagum City, Digos City, Davao Oriental, Davao City, Compostela Valley and Mati City

Subject: 1ST DOST-SEI STAR INTERNATIONAL CONFERENCE

Date: June 28, 2019

Attached is a letter from the Science Education Institute, Department of Science and Technology through the Project Science Teacher Academy for the Regions (STAR), informing the conduct of the 1st DOST-SEI STAR International Conference on August 7-9, 2019 at the PICC, Roxas Boulevard, Manila.

This Office advises the following participants to attend the said workshop:

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>School/Division</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maria Liza I. Berandoy</td>
<td>EPS</td>
<td>CLMD-ROXI</td>
</tr>
<tr>
<td>Renato N. Pacpakain</td>
<td>EPS</td>
<td>CLMD-ROXI</td>
</tr>
<tr>
<td>Honey Lynne Boyles</td>
<td>Teacher</td>
<td>Tagum City NHS / Tagum City</td>
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<tr>
<td>Jomaico Magayo</td>
<td>Teacher</td>
<td>Davao City NHS / Davao City</td>
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<tr>
<td>Gene R. Carbon</td>
<td>Teacher</td>
<td>Sta. Ana NHS / Davao City</td>
</tr>
<tr>
<td>Juhaimaliza Jawadin</td>
<td>Teacher</td>
<td>Manuel T. Coram ES / Mati City</td>
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<tr>
<td>Jeson Reyes</td>
<td>Teacher</td>
<td>Mabini NHS/ Davao City</td>
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<tr>
<td>Bernamil Malintad</td>
<td>Teacher</td>
<td>Caraga NS / Davao Oriental</td>
</tr>
<tr>
<td>Rio A. Calamohoy</td>
<td>Teacher</td>
<td>Kapatagan NS / Digos City</td>
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<tr>
<td>Christine Jay Urbina</td>
<td>Teacher</td>
<td>Beimonte ES / Compostela Valley</td>
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The registration, meals and conference materials shall be shouldered by the DOST-SEI while accommodation, transportation, certain meals and other incidental expenses shall be charged against local funds, all subject to the usual accounting and auditing rules and regulations.

Immediate dissemination of this Memorandum to all concerned is desired.

DR. EVELYN R. FETALVERO, CESO
Schools Division Superintendent
Officer-In-Charge
Office of the Regional Director
**CONFIRMATION SLIP**

**1st DOST – SEI STAR INTERNATIONAL CONFERENCE**

"Perspectives in Science and Mathematics Education: Building Connections, Sustaining Innovations and Sharing Pedagogies"

August 7-9, 2019 PICC, Roxas Blvd., Manila

List of DepEd Region XI participants to attend the Conference from August 6-9, 2019

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>Maria Liza I. Berandoy</td>
<td>Education Program Supervisor</td>
<td>CLMD-ROXI</td>
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DR. EVELYN R. FETALVERO, CESO V  
Schools Division Superintendent  
Officer-In-Charge  
Office of the Regional Director

Please send accomplished confirmation slip through email: sei.depots@gmail.com or fax 02-8370057 not later than June 30, 2019.
19 June 2019

ATTY. ALBERTO T. ESCOBARTE
Regional Director
Department of Education Region XI
Torres St., Davao City

Dear Atty. Escobarte,

This has reference to our letter dated 3 June 2019 re: invitation to Mr. Renato Pacpakin, Ms. Maria Liza Berandoy and eight (8) teachers to the 1st DOIST-SEI Project STAR International Conference on August 7-9, 2019 at the Philippine International Convention Center.

May we request that the expenses of the teachers such as accommodation, transportation, certain meals and incidental expenses, as well as the transportation expenses of Mr. Pacpakin and Ms. Berandoy be charged against Local Funds of the region/ division.

Thank you.

Very truly yours,

JOSETTE T. BIYO, Ph.D.
Director
3 June 2019

ATTY. ALBERTO T. ESCOBARTE
Regional Director
Department of Education Region XI
Torres Street, Davao City

Dear Dr. Escobarte:

We are pleased to inform you that the Science Education Institute, Department of Science and Technology through the Project Science Teacher Academy for the Regions (STAR) will host the 1st DOST-SEI STAR International Conference "Perspectives in Science and Mathematics Education: Building Connections, Sustaining Innovations and Sharing Pedagogies" on August 7-9, 2019 at the PICC, Roxas Blvd, Manila.

The conference seeks to gather educators and education policy makers and experts in the Philippines and the Asian region in one event to discuss and share ideas on the current state of international science and mathematics education. It also seeks to continue Project STAR's goal of capacitating and empowering the Filipino teacher by exposing them to new perspectives, technologies, and innovations.

We are honored to invite Ms. Maria Liza Berandy and Mr. Renato Pacpakin, Education Program Supervisors for Science and Mathematics respectively, to the said Conference. The registration, meals during the conference, as well as hotel accommodation for four (4) nights, from August 6-9, 2019 shall be shouldered by the DOST-SEI.

Likewise, we would like to request assistance from the EPS's in identifying names of four (4) science and four (4) math teachers in the elementary and secondary level who will attend the conference. The registration, conference materials, and meals during the conference are free of charge while transportation, accommodation and certain meals will have to be shouldered by the participant.

We would appreciate receiving the accomplished confirmation slip for the EPS's participation, as well as list of participants (indicating the division, school, contact number and email address) on or before June 30, 2019. Should we not receive the list on the said date, the slot/s will be given to other regions.

We are looking forward to a positive response to this invitation. Please see attached program of activities for your reference.

Our SEI staff, Cynthia Gaya will follow up with your office regarding this request. Should you have any concerns, she may be contacted at office landline +63-28370057 or email: sei.depont@gmail.com or through mobile phone 09209683055.

Thank you.

Very truly yours,

JOSETTE T. BIYO, Ph.D.
Director

1st and 2nd Levels, Science Heritage Building
DOST Compound, General Santos Avenue
Bicutan, Taguig City, Philippines, 1631
URL: http://www.sei.dost.gov.ph

Direct Lines: (632) 837-1359, 839-0081, 837-1333
839-0080, 839-0085, 839-0082, 839-0084
Trunk Lines: (632) 837-2071 to 20 local 2280-2289
Telefax: (632) 839-0066, 837-1924, 839-0241, 837-0749
837-0056, 837-0057, 837-1628, 837-1628
4 June 2019

DR. LOURDES C. GENERALAO
President
University of Southeastern Philippines
Davao del Sur

Dear Dr. Generalao:

We are pleased to inform you that the Science Education Institute, Department of Science and Technology through the Project Science Teacher Academy for the Regions (STAR) will host the 1st DOST-SEI STAR International Conference "Perspectives in Science and Mathematics Education: Building Connections, Sustaining Innovations and Sharing Pedagogies" on August 7-9, 2019 at the PICC, Roxas Blvd, Manila.

The conference seeks to gather educators and education policy makers and experts in the Philippines and the Asian region in one event to discuss and share ideas on the current state of international science and mathematics education. It also seeks to continue Project STAR’s goal of capacitating and empowering the Filipino teacher by exposing them to new perspectives, technologies, and innovations.

Considering the relevance of this activity to science and mathematics education, we would like to invite the following faculty members who are our STAR Trainers to the Conference:

1. Eva D. Benacer
2. Marlyn D. Biton
3. Fedelis C. Bonocan
4. Josephine C. Gepigon
5. Juse Lyn P. Hiponia
6. Yvonne M. Kiel
7. Eveyth P. Deligero

For their participation, SEI will shoulder the registration, meals and accommodation for four nights from August 6 – 9, 2019.

We are looking forward to a positive response to this request. Please see attached program of activities for your reference, and Confirmation Slip to be returned to us on or before June 30, 2019.

Our SEI staff, Cynthia Gayya will follow up with your office regarding this request. Should you have any concerns, she may be contacted at office landline +63-28370057 or email: sei.depot@gmail.com or through mobile phone 09209683055.

Thank you.

Very truly yours,

JOSETTE T. BIYO, Ph.D.
Director
1st DOST-SEI Project STAR International Conference
Perspectives in Science & Mathematics Education: Building Connections,
Sustaining Innovations and Sharing Pedagogies
August 7-9, 2019  PICC, Manila Philippines

Program of Activities

DAY 1 (August 7, 2019)
Officer of the Day: Prof. Aleli Martin

7:30-8:30  Registration
8:30-9:30  Ecumenical Prayer

Welcome Remarks
Dr. Josette T. Biyo
Director IV
Science Education Institute
Department of Science and Technology
Science Teacher Academy for the Regions (AVP)

Message
Professor Fortunato T. De La Peña
Secretary
Department of Science and Technology

9:30-9:45  Health Break

09:45-11:15  Plenary Session 1: Design Thinking in STEM Education: The Nanyang Polytechnic Teaching Factory Concept
Mr. Soon Tats Fah
Nanyang Polytechnic International
Singapore
Moderator: Ms. Cynthia Gayya

11:15- 12:00  Conference Photo
Opening and Viewing of Exhibits

12:00-1:00  Lunch

1:00-2:15  Plenary Session 2: Socio-Cultural Images and Environment that Promote Diversity and Gender Opportunity in STEM
Dr. Frederick K.S. Leung
Professor
Faculty of Education
The University of Hongkong
Moderator: Dr. Ricky Magno
2:15-3:30 Plenary Session 3: Beyond Hard Skills: STEM as Social and Emotional Learning
Dr. Bill Atweh
*International Education Consultant*
*One World Ripples and Professor*
*Curtin University, Australia*
Moderator: Prof. Jun Karren Caparoso

3:30-3:45 Health Break

3:45-5:00 Parallel Sessions (Paper Presentations)
Moderators:
- Session 1: Prof. Vic Marie Camacho & Dr. Leah Amor Cortez
- Session 2: Dr. Eden David & Dr. Angelita Seeping
- Session 3: Dr. Shirley Jusayan & Prof. Angelina Ramirez
- Session 4: Prof. Charity Mulig-Cruz & Mr. Gerome Bautista
- Session 5: Prof. Dorothy Silva & Prof. Christian Abalos

6:00-8:00 Fellowship Dinner & Cultural Presentation
Masters of Ceremonies: Prof. Charity Mulig-Cruz
Mr. Bryan Manalo
Mr. Gerome Bautista
Mr. Marino Dal

**DAY 2 (August 8, 2019)**

Officer of the Day: Professor Jazzlyn Imperial

8:00-8:30 Recap of Day 1 (5-minute Video Presentation c/o IMAX Productions)

8:30-9:45 Plenary Session 4: Machine Learning, Artificial Intelligence, and STEM Education
Dr. YoungHwan Kim
*Department of Education*
*Pusan National University*
*Korea*
Moderator: Dr. Ma. Elizabeth Leoveras

9:45-10:00 Health Break

10:00-11:15 Plenary Session 5: The Use of Interdisciplinary Contextualization to Solve the Grand Challenges
Dr. Chang Chun-Yen
*Director*
*Science Education Center and Chair*
*National Taiwan Normal University*
*Taipei, Taiwan*
Moderator: Prof. Magnolia Vida Cano

11:15-12:00 Open Forum

12:00-1:00 Lunch
### Parallel Sessions (Workshops)

<table>
<thead>
<tr>
<th>Workshop Title</th>
<th>Speaker</th>
<th>Facilitator</th>
</tr>
</thead>
<tbody>
<tr>
<td>1  Teaching Mathematics through Problem Solving</td>
<td>Prof. Naoko Matsuda <em>Tokyo Gakugei University</em></td>
<td>Prof. Angelina Ramirez</td>
</tr>
<tr>
<td>3  Mathematical Investigation</td>
<td>Dr. Edwin Ibanez <em>Central Luzon State University</em></td>
<td>Dr. Angelita Seeping</td>
</tr>
<tr>
<td>4  Science Investigatory Project</td>
<td>Dr. Cristina Binag <em>University of Sto. Tomas</em></td>
<td>Prof. Vic Marie Camacho</td>
</tr>
<tr>
<td>5  Open-ended Approach in Teaching Math</td>
<td>Prof. Aujjit Patanajak <em>Khon Kaen University</em></td>
<td>Mr. Joneil Medina</td>
</tr>
<tr>
<td>6  Habits of Mind</td>
<td>Prof. Jo-Ann Cordovilla <em>Bicol University</em></td>
<td>Dr. Shirley Jusayan</td>
</tr>
<tr>
<td>7  Basic Robotics/ Simple Makerspaces</td>
<td>Mr. EJ Marmol <em>Philippine Science High School</em></td>
<td>Prof. Charity Mulig-Cruz</td>
</tr>
<tr>
<td>8  Engineering Design Process</td>
<td>Dr. Sherilyn Monterolla <em>University of the Philippines</em></td>
<td>Prof. Christian Abalos</td>
</tr>
<tr>
<td>9  Action Research in Science and Mathematics Classroom</td>
<td>Dr. Maricar Prudente <em>De La Salle University</em></td>
<td>Dr. Ricky Magno</td>
</tr>
<tr>
<td>10 Writing for Publication</td>
<td>Mr. Rich Milton Dulay <em>Central Luzon State University</em></td>
<td>Dr. Eden David</td>
</tr>
</tbody>
</table>

### Health Break

3:00-3:15

### 3:15-5:00

**STAR Stories: Innovations in STEM Teaching from the 2018 Brightest STARS**

**Parallel Session 1:**
- Ms. Mary Grace Dulay (Region 1)
- Ms. Geylen Abainza (Region 5)
- Mr. Collin Sales (Region 5)
- Mr. Rex Sario (Region 10)

**Moderator:** Dr. Ma. Elizabeth Leoveras

**Parallel Session 2:**
- Mr. Michael Malvar (Region 1)
- Ms. Catherine Panoy (Region 3)
- Mr. Johnny Samino (Region 5)
- Ms. Mary Grace Bumanlag (NCR)

**Moderator:** Mr. Gerome Bautista
Parallel Session 3:
Mr. John Angelo Almazar (Region 3)
Ms. Rona Canindo (NCR)
Mr. Russel Gorre (Region 6)
Ms. Guadalupe Blanco (Region 10)
Moderator: Mr. Bernabe Linog

Day 3 (August 9, 2019)
Officer of the Day: Mr. Bernabe Linog

8:00-8:30 Recap of Day 2 (5-minute Video Presentation c/o IMAX Productions)
8:30-9:45 Plenary Session 6: Professional and Personal Development Frameworks
               Focusing on STEM Education
               Dr. Maitree Inprasitha
               Faculty of Education
               Khon Kaen University
               Thailand
               Moderator: Dr. Amelia Buan

9:45-10:00 Health Break

10:00-11:00 Plenary Session 7: Issues, Challenges and Initiatives of DepEd on Science and Math Education
               Ms. Jocelyn DR. Andaya
               Director
               Bureau of Secondary Education
               Department of Education
               Moderator: Mr. Bernabe Linog

11:00-11:45 IDEaS – Interactive Discussion among Educators and Specialists
               (Round Table Discussions)
               Moderators/Facilitators: Prof. Aleli Martin
                                           Mr. Gerome Bautista
                                           Mr. Bryan Manalo
                                           Dr. Leah Amor Cortez
                                           Prof. Magnolia Vida Cano
                                           Prof. Jun Karren Caparoso
                                           Prof. Dorothy Silva
                                           Prof. Christian Abalos
                                           Prof. Vic Marie Camacho
                                           Dr. Edwin Ibañez

11:45 – 12:30 Closing Ceremonies

Conference Synthesis
Ms. Ruby Caroliza D. Laña  
Chief, SEID  
Science Education Institute  
Department of Science and Technology

Closing Remarks  
Engr. Albert G. Mariño  
Director III  
Science Education Institute  
Department of Science and Technology

12:00-1:00 Lunch