

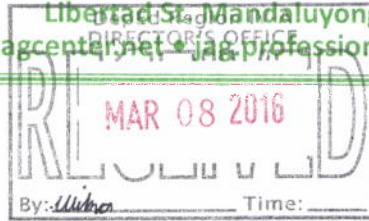


JAG CENTER FOR PROFESSIONAL DEVELOPMENT

Glenhaven 2-7G California Garden Square Condominium,

Libertad St., Mandaluyong City

www.jagcenter.net - jag.professional@yahoo.com



*To: DCS
For your appropriate
action, please
Thank you, God Bless!
[Signature]*

March 7,2016

DR. DIOSDADO M. SAN ANTONIO
Director
Region IV-A(CALABARZON)
Department of Education

Dear Director San Antonio:

The JAG Center for Professional development intends to conduct a 5 -Day International Seminar-Workshop on Inquiry-Based Science Education: Content and Strategies in Teaching K to 12 Science with the theme "Enhancing Scientific and Technological Literacy through Inquiry-based Science Learning" on the following dates and venue listed below;

April 26- 29,2016

Queen Margarett Hotel
Lucena City, Region IV-A

Relative thereto, I would like to request for your approval and regional advisory of the 5-Day International Seminar-Workshop on Inquiry-Based Science Education: Content and Strategies in Teaching K to 12 Science .

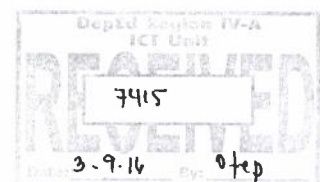
The main objectives of this seminar-workshop are to provide the participants with the necessary knowledge, skills and values required to carry-out inquiry-based learning in science. Specifically, the participants should be able to:

I. Objectives

- Acquire knowledge and understanding of the philosophy of inquiry based science to carry out inquiry-based science learning;
- Adopt various inquiry-based learning approaches in teaching science;
- Assess student learning in inquiry-based science;
- Utilize learning tools and resources to support inquiry-based science ; and
- Plan and design science lesson adopting inquiry-based science learning.

II. Target Participants: Preschool Teachers, Grade 1- senior high school teachers, school heads, science supervisors and coordinators, students and professors in teacher education both public and private.

III. Registration fee : P4,500.00/participant to cover seminar fee, kit, materials, 6 snacks and 4 lunches. Early Registration until March 31,2016- P3,000.00, April 15,2016- P3,300.00, April 25,2016- P4,000.00, Group of 10 teachers free 1 per district. Interested individual may deposit their payment at BDO 08448001089-JAG Center for Professional Development, Smart Money/Padala No. 5577-5193-9763-5104.





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IV. Program

Time	Day 1	Day 2	Day 3	Day 4
8:00 a.m. -9:30 a.m.	Registration	Inquiry –based Science(Physics) Learning and Pedagogy	Content in Teaching Life Science	Resources for Inquiry-based Learning
Resource Speaker		Dr. Joel Tiu Maquiling Universita degli Studi di Padova, Italy	Prof. Eisha Viena Fernandez PNU, Manila	Dr. Crist John Pastor PNU, Manila
9:30 a.m. – 10:00 a.m.	Opening Program	Morning Break		Morning Break
10:00 a.m. -12:00 noon	Fundamentals of Science Inquiry	Promoting Thinking Skills	Strategies in Teaching Life Science	5-E Inquiry Instructional Design Model
Resource Speaker	Miss Madhu Signh Kuala Lumpur, Malaysia	Mr. Dominador D. Mangao SEAMEO RECSAM Penang, Malaysia	Prof. Eisha Viena Fernandez PNU, Manila	Dr. Crist John Pastor PNU, Manila
12:00 noon -12:30 p.m.	Lunch Break	Lunch Break		Lunch Break
12:30 p.m. -2:30 p.m.	Inquiry –based Learning Approaches: Problem-based learning	Evaluation and Assessment of the Effectiveness and Efficiency of Inquiry-Based Science (Physics)	Content and Strategies in Teaching Earth Science	Cross-Disciplinary Approach: STEM Education
Resource Speaker	Mr. Dominador D. Mangao SEAMEO RECSAM Penang, Malaysia	Dr. Joel Tiu Maquiling Universita degli Studi di Padova, Italy	Prof. Eisha Viena Fernandez PNU, Manila	Mr. Dominador D. Mangao SEAMEO RECSAM Penang, Malaysia
2:30 p.m. -4:30 p.m.	Inquiry –based Learning Approaches: Project-based learning	Integrating/Using Technology in Inquiry –based Learning	Inquiry –based Science(Chemistry) Learning and Pedagogy	
Resource Speaker	Mr. Dominador D. Mangao SEAMEO RECSAM Penang, Malaysia	Dr. Joel Tiu Maquiling Universita degli Studi di Padova, Italy	Dr. Crist John Pastor PNU, Manila	
4:30 p.m. -7:00 p.m.	Science Inquiry and Global Citizenship	Inquiry –based Science(Life Science) Learning and Pedagogy	Content and Strategies in Teaching Chemistry	
Resource Speaker	Mr. Dominador D. Mangao SEAMEO RECSAM Penang, Malaysia	Prof. Eisha Viena Fernandez PNU, Manila	Dr. Crist John Pastor PNU, Manila	

- V. Contact Information: Interested participants/individual may contact/visit/call JAG Center for Professional Development at 3rd Floor Pecson Bldg., Rizal Street, Cabangan, Legazpi City Albay or call at 054-288-1188/0906-493-9880/0919-6818801.

May this request merit your favourable and immediate response.

Thank you.

Very truly yours

GENEROSO C. FILIO JR.
President/Owner



Republic of the Philippines
OFFICE OF THE PRESIDENT
COMMISSION ON HIGHER EDUCATION



MEMORANDUM FROM THE CHAIRPERSON

FOR : ALL CHED CENTRAL AND REGIONAL OFFICE DIRECTORS ALL PRESIDENTS/ HEADS OF PUBLIC AND PRIVATE HIGHER EDUCATION INSTITUTIONS (HEIs)

SUBJECT : PARTICIPATION IN THE INTERNATIONAL SEMINAR-WORKSHOP ON CONTENT AND PEDAGOGY IN TEACHING K-12 SCIENCE OF THE JAG CENTER FOR PROFESSIONAL DEVELOPMENT TO BE HELD IN FEBRUARY TO MAY, 2016

DATE : January 11, 2016

In accordance with the pertinent provisions of Republic Act (R.A.) 7722, otherwise known as the "Higher Education Act of 1994", this Office hereby endorses the above undertaking organized by the JAG Center for Professional Development for the support and participation of all concerned.

This activity will be attended by science teachers from higher education institutions.

Participation of officials, employees and students from private higher education institutions (HEIs) shall be VOLUNTARY. Officials and employees of State and Local Universities and Colleges (SUCs and LUCs) who will participate in this activity should obtain prior approval from the President/Head of their respective institutions and are hereby reminded to observe proper use of government funds in accordance with the Department of Budget and Management (DBM) National Budget Circular No. 486 and Administrative Order No. 103.

For registration and further information/inquiries, you may coordinate with the organizers through their mobile/telephone number (052)4806688/09064939788/09196818801 or their email address jag.professional@yahoo.com.

Wide dissemination of this Memorandum is desired.


PATRICIA B. LICUANAN, Ph.D.

01-11-0067_JAG_2016

RESUME

DOMINADOR DIZON MANGAO



Mr. Dominador Dizon Mangao is presently working as Specialist at the Research & Development Division (R&D) of Southeast Asian Ministers of Education Organization Regional Centre for Education in Science and Mathematics (SEAMEO RECSAM), Penang, Malaysia. He previously was assigned at the Training Programme Division (TPD) for almost seven (7) years when he joined RECSAM in 2007. At SEAMEO RECSAM, Mr. Mangao is actively involved in conducting research projects, training and developing instructional materials in the courses designed for science educators from the SEAMEO Member Countries, Asia-Pacific and African countries. He is currently the Associate Editor of the Journal of Science and Mathematics Education in Southeast Asia (JSMESEA). Before his stint in RECSAM in February 2007, Mr. Mangao was an Education Program Specialist II at the Curriculum Development Division, Bureau of Elementary Education, Department of Education Central Office, Republic of the Philippines. Mr. Mangao rose from the ranks in the education department having served as a Teacher, Head Teacher, School Principal II and Education Supervisor II of DepEd Regional Office 6. Mr. Mangao has attended numerous professional development programs in various educational institutions locally and internationally in science education, curriculum, instruction, assessment, research, and publications. He was a recipient of the Japanese Government scholarships (MONBUSHO) to pursue Science Education at Toyama University, Japan and a Study Mission in Tokyo, Osaka and Yamanashi, Japan sponsored by the Japan International Cooperation Agency (JICA) and study missions to Paris and Nice, France sponsored by the French Academy of Sciences, France. He is also a recipient of the Department of Education (DedEd) and the University of the Philippines National institute for Science and Mathematics Education (UPNISMED) short term scholarship for science supervisors.. Mr. Mangao has rich experiences in organizing and coordinating science fairs, workshops, science research and quiz competitions. He has also presented papers in regional and international conferences in the Philippines, Malaysia, Brunei Darussalam, Thailand, Nairobi in Kenya and China. He has conducted in-country training workshops in various countries such as Malaysia, Brunei Darussalam, Indonesia, Philippines and Zambia.

Brief CV



Personal Background:

Name: Joel Tiu Maquiling, Ph. D.

Profession: University Professor of Physics

Institution:

Ateneo de Manila University, Loyola Heights, Quezon City 1108, Philippines

Research Interest(s):

Science Education, Physics Education, Disaster Science and

Geophysics (Granular Matter Dynamics, Rheology, and Fracture Mechanics and Failure Mechanisms)

Speaker and Resource Person: Science Education, Physics Education, Geohazards/Disaster Science Seminars/Workshops/Conferences, In-Service Teacher -Training & Continuing Development & Professional Programs, UNESCO ALOP (Active Learning in Optics & Photonics) Workshops

Educational Background:

Ph.D. in Geophysics, Universita degli Studi di Padova, Padova, Italy [Under The Erasmus Mundus Mobility with Asia (EMMA) Scholarship Program]

M.S. in Physics, Ateneo de Manila University [Under the Ateneo Graduate Scholarship Fund (AGSF)]

B.S. in Physics for Teachers, Philippine Normal University (PNU) [Under the Department of Science and Technology (DOST) and Science Education Institute (SEI)]

Membership in Learned Societies and Organizations:

Philippine Physical Society (SPP)

Asian Physics Education Network (ASPEN)

American Physical Society (APS)

Optical Society of America (OSA)

International Society for Optics and Photonics (SPIE)

Tunisian Optical Society (TSO)

Personal Summary

A dynamic and inspirational teacher and leader committed to impart holistic education with constructive growth, consolidating the foundational plan of the curriculum and substantiating the progressive change with all structural and functional teaching learning experience in the classroom and beyond. Always engaged in continuous learning to keep up with the pace of ever changing developments in the field of education and IB, leading to professional growth and further development as an effective leader and mentor to the team.

Current Employment (Fairview International School, Kuala Lumpur) (January 2011 till date)

Global Head of MYP/ DP Science (HOD) at Fairview International School, Kuala Lumpur, Malaysia leading a team of 25 teachers placed in five different campuses. Also teaching International Baccalaureate Diploma Program (IBDP) Biology SL and HL. Taught IGCSE, MYP Biology, Integrated Science till 2013. Extended Essay Supervisor for IBDP Biology.

Main responsibilities

- Leading and managing the Science department (PYP, MYP and DP)- administrative tasks, academic monitoring, contribute to selection of new staff, professional training and development of the academic and non-academic (lab technicians) Science team.
- Coordinate development and preparation of teaching materials, scheme of work, teaching methodology, assessments including appropriate policies on marking and reporting
- Analyse student performance data (quarterly), devising appropriate KPI and action plans- grade level-wise and student specific, if required.
- Monitor and ensure quality teaching by lesson observation and feedback to the faculty members to recognize good practices and formulate improvement strategies
- Intervention planning based on monitoring of individual student performances- fortnightly basis
- Moderation of assessment samples for all grade levels(internal, external)
- Teaching IB Diploma Biology- HL and SL, supervising and conducting Internal assessments .
- Developing teaching and learning material, incorporating ICT skills, usage of data loggers and different interactive technologies as appropriate and in accordance to IBDP Biology subject requirements.
- Committed to ensure students reach high standards of learning and achievements.

Major achievements

- IBDP Biology HL and SL average well above world averages, invariably every year
- Biology Extended essay supervised scored 2 As and 1 B
- Successfully introduced and trained staff in IBMYP/DP curriculum planning, implementation and assessments, both in MYP and IGCSE
- Conducting in-house Continuous Professional Development training for the Science team
- Internally moderated marks produce results consistent with IB external moderation for MYP, DP.
- Excellent results in grade 9 checkpoint exam, IGCSE sciences, MYP and DP Sciences

Previous Employment

1. **Global Indian International school, Kuala Lumpur, Malaysia** (Apr 2010-Dec 2010)
Middle level coordinator (Grade 5-8)
Teaching Information Technology (Grade 5 – 7)
Chemistry (grade 9 &10)
2. **Swami Vivekananda International school, Mumbai, India** (Jan 2000-Mar 2010)
Teacher - Science (integrated science), Biology to Grade V to X

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3. **Loreto Day School, Sealdah, Kolkata, India** (May 1998 - Oct 1999)
Teacher - Computer Science (Grade VI to XII)
 4. **Loreto Convent School, Entally, Kolkata, India** (Jun 1997-May 1998)
Teacher - Science (Grade VI, VII)
Teacher - Computer Science (Grade VI to X)
 5. **Cathedral Convent School, Lucknow, India** (Sept 1996 - Nov 1996)
Teacher - all subjects (Grade IV)

Key strengths:

- | | |
|---|-------------------------------------|
| Strategic planning | Inquiry based teaching and learning |
| Concept based teaching and learning | Curriculum development |
| Class Management | Resource management |
| Policy implementation | Positive and energetic |
| Team work | Perseverance |
| Designing, conducting and assessing open ended investigations | |
| Educational Technology | |

CPD Courses attended and skills developed

- Online professional development workshop - IBO (IBDP Biology)- Category 1 (2012)
- Online Professional Development Workshop - IBO (IBDP Internal Assessment – Category 3) (2015)
- **Fairview International School- in-house training** (ongoing)
Inquiry based learning workshops, Concept based training, Differentiation in classroom, implementing IB program in class, conducting open ended investigations, various instructional strategies, and many more.
- Advanced Diploma In Computer Application- UPTECH, India (1996)

Extra-curricular offering

- Managing Environmental club, culinary club, Science club

Other achievements

1. **IBDP Biology Examiner (IBO recruited)** for HL Biology- Paper 3 (2013- till date).
2. **Preparing students for Biology SAT**, mentoring and coaching students to high grades in both IGCSE (More than 80% A*) and IBDP Biology.
3. Actively involved in the organization of events like school carnival, cultural week, Science week at Fairview International School.
4. Guided the students for representing and winning excellent position in the **Science Exhibitions at REGIONAL and ZONAL levels** every year since the year 2000- 2010 in India.
5. Guided the students for representing the Mumbai (west) in the **regional (in Mumbai) and then at STATE LEVEL (in Aurangabad) for NATIONAL CHILDREN SCIENCE CONGRESS - 2008**
6. Acted as **SCHOOL CO-ORDINATOR** every year (2003 – 2010) for **National Science Olympiad** organized by National Olympiad Foundation, New Delhi.

Academic Qualification :

- Lucknow University (1995-1996)
Master in Education (M.Ed)
- Lucknow University (1994-1995)
Bachelor in Education (B.Ed)
- Lucknow University (1991-1994)
Bachelor in Science (B.Sc)(Botany, Zoology, Geology)

PASTOR, CRIST JOHN MEJIA

Room B9, 2nd Floor, Metrodorm
Royal Arranque Mall
T. Alonzo St., corner Recto Avenue
Sta. Cruz, Manila

E-mail: pastor.cjm@pnu.edu.ph • ceejhaybiochem@yahoo.com
Contact no.: 0917-79-64-217



EDUCATION

- **M.S.-Ph.D. Program in Biochemistry** (2007-present), University of the Philippines, Manila (*M.S.-Ph.D. Candidate*)
- Recipient, **Certificate of Merit as College Scholar** (2009-2010), UPMASA-PGH Science Hall, February 2010
- **Bachelor of Science in Chemistry for Teachers** (2002-2006), Philippine Normal University, Taft Avenue, Manila (*Cum Laude*)

WORKING EXPERIENCES

I. ACADEME

- May 2011-2015 - **Full-time Chemistry Instructor**, Philippine Normal University Manila
- 2014 - Guest Lecturer "**Foundation and Application of Biotechnology in Molecular Pharmacology**", Department of Pharmacology and Toxicology, University of the Philippines, Manila
- May 2014 - Trainer and Facilitator, **K-12 National Training of Grade 9 Teachers: Science (NCR)**, Philippine Normal University
- May 2013 - Trainer and Facilitator, **K-12 National Training of Grade 8 Teachers: Science (NCR)**, Philippine Normal University
- May 20-30, 2012 - Trainer and Facilitator, **K-12 National Training of Grade 7 Teachers: Science (NCR)**, Philippine Normal University and RELC, DepEd Pampanga
- September 5, 2012 - Guest Speaker, **CSI: Conducting Scientific Investigations**, Bloomfields Academy, Las Piñas City
- March 22, 2012 - Test Item developer for **Science Mathematics Enrichment Program in Municipalities without Qualifiers in the DOST Undergraduate Scholarship Examination**, Science Education Institute, Department of Science and Technology
- 2012-2014 - Reviewer for **TOP the TEST (T3) Program**, Philippine Normal University, Manila