





STEM Global Benchmarking Tour and Intensive Training

Massachussetts, USA | April 20-29, 2018

University of the Philippines, Department of Education, Philippine Science High School System



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Prof. Rachel Ramirez, Assistant Professor, UP Integrated School Prof. Hazel Ramirez, Assistant Professor, UP Rural High School Mr. Vincent Sabong, Technical Assistant, EFP, DepEd Ms. Eileen Villaruz, Master Teacher, DepEd Ms. Aimee Pareno, Master Teacher, DepEd It aims to establish Integrated STEM Education in the Philippines through its

STRATEGIC PROGRAMS



Teacher Upskilling



Learner Empowerment



Curricular Innovation



GIE Partnerships



Research



Teacher Upskilling: Webinars





Accredited Learning Service Provider of NEAP (DepEd Training Arm)







3-part Webinar SeriesTotal People Reached: 132,505
Total Engagements: 33,202























Partnership with C&E Publishing and other organizations



Teacher Upskilling: Innovation Workshop

In partnership with



Online Innovation Workshop for Faculty Members of the University of the Philippines System

July 13, 16, 23, and August 3, 2020

PAIR UP

Platform for Academe-Industry Relations for the University of the Philippines



WORKING WITH OTHERS THROUGH COMMUNITY-BASED REMOTE LEARNING



PROJECT AMBAG

A Collaboration Platform







Team 4A





Unit Operations



Teacher Upskilling: Design Thinking Workshop for Educators









Adopted schools of







Teacher Upskilling: STEM Teaching Factory

Teacher Immersion Program with focus on STEM Careers

In partnership with









Learner Empowerment: Summer Program (2019)



Chemistry: Ice Cream Making



Biology: Learning about Neurons



Physics: Science of Philippine Games



Earth Science: Soil Painting



Mathematics: Origami and Kirigami
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Learner Empowerment: Hackathon and STEAM Innovation Competition





Learner Empowerment

STEAM RESEARCH OUTPUTS















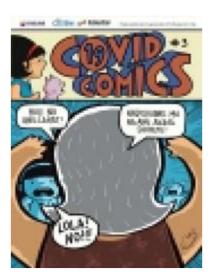
Learner Empowerment: COVID-19 Comics



Circulated in all public elementary schools









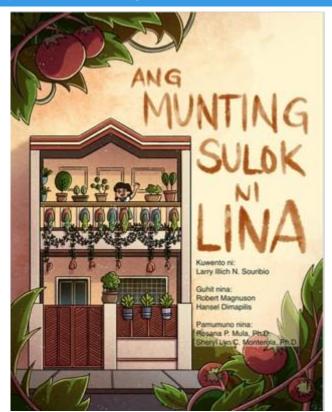


Learner Empowerment: Urban Agri Activity Booklet and Filipino Storybook

In partnership with









Curricular Innovation: K-2 Science of Us

- 25 Modules for remote learning
- Lab-in-a-box
- Video tutorials for parents/home learning partners
- FB group assistance for parents and home learning partners





Curricular Innovation: Sorsogon STEAM Innovation Program

- Consultation with Stakeholders
- Community Needs
 Assessment

Innovation-focused Curriculum

Teacher Capacity building

STEM Talk for Parents

Hackathon; Innovation Competition









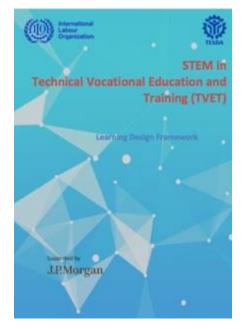


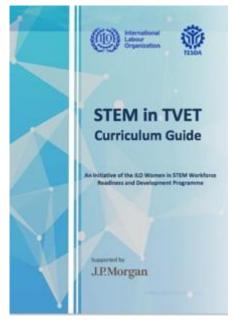


Curricular Innovation: STEM in TVET









Curriculum Guide Writeshop
October 20, 23, 27, 30, November 3, 2020
120 TESDA Curriculum writers

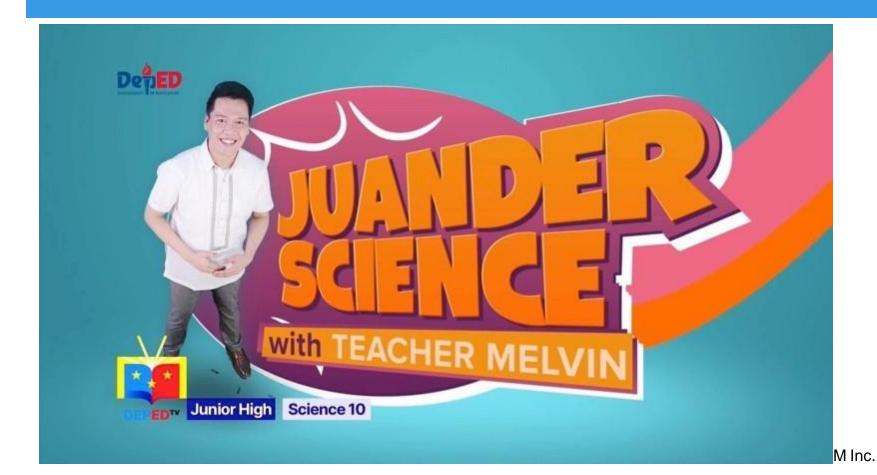
Train the Trainers Workshop
February 2, 4, 9, 11, 16, 2021
112 TESDA Trainers

Upcoming activities

- Meeting with ILO Geneva
- Trainers Guide and Student Workbook



Curricular Innovation: National TV Program





Curricular Innovation: Radio Programs



Juander Titser DZMM Teleradyo



Juander Teacher On Air Mindanao



Radyo Turo Guro in partnership with Ateneo SALT



GIE Partnerships: 2nd Integrated STEM Leadership Summit in Asia

- Co-organized with MIT J-WEL, SEAMEO, US STEM Leadership Alliance, Unilab Foundation, and SEAMEO STEM-ED Centre
- 3, 770 participants representing 50 countries
- 100 speakers

https://www.stemsummitasia.org/















GIE Partnerships: Fora and Academic Meetings



Nanyang Polytechnic A Forum on MakerSpace April 25, 2019



Asia Society Center for Global Education
Global Skills in STEM and Vocational Education
Professional Development Workshop

November 18-19, 2019



GIE Forum: Philippine STEM Pipeline
November 15, 2019



GIE Partnerships: 1st Integrated STEM Leadership Summit in Asia

- Co-organized with US STEM Leadership Alliance and Unilab Foundation
- 400 participants
- 70 speakers



Strengthening Integrated STEM through Global Crossvergence

November 21-24, 2019 Shangri-La's Mactan Resort & Spa, Cebu, Philippines

Summit Highlights: https://www.youtube.com/watch?v=XR7jgYjZ9PY



GIE Partnerships







STEM Education Center









Center for Global Education













Nanyang Polytechnic





International Labour Organization



GIE Partnerships





























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Center for Integrated STEM Education, Inc.

Thank you.