



Republic of the Philippines
Department of Education
REGION III-CENTRAL LUZON

GERMELINA H. PASCUAL CESO V
Schools Division Superintendent

DepEd-SOO of Bulacan Office
OCT 23 2019
By: [Signature]
Time: 2:15 PM

MEMORANDUM

To : SCHOOLS DIVISION SUPERINTENDENTS
From : THE ASSISTANT REGIONAL DIRECTOR
Subject : SUBMISSION OF DATA RELATIVE TO THE NUMBER OF STUDENTS WHO ARE ENROLLED IN THE TVL STRAND/SPECIALIZATION AND WILL TAKE STEM-RELATED COURSES AND ISSUES AND CONCERNS OF STATE UNIVERSITIES AND COLLEGES (SUCs) AND PRIVATE COLLEGES AND UNIVERSITIES (PCUs) ON THEIR LEARNERS TAKING STEM-RELATED COURSES WHO ARE NOT SHS STEM GRADUATES
Date : October 23, 2019

1. The Department of Education, through the Bureau of Curriculum Development (BCD) shall conduct a Consultative Forum on Possible Integration of STEM and TVL on October 28 to 31, 2019, at Hotel Fortuna, Cebu City.
2. In connection to this, please email on or before **October 25, 2019** at region3@deped.gov.ph, cc: librada.rubio@deped.gov.ph, data relative to the number of students who are enrolled in the TVL strand/specialization and will take STEM-related courses and issues and concerns of SUCs and PCUs on their learners taking Engineering/Computer Science or other STEM-related courses but not STEM graduates in SHS, using the enclosed Template 1 and Template 2, respectively. These data shall be presented on the first day of the above-mentioned consultative forum.
3. Attached is Memorandum DM-CI-2019-00346, for reference.
4. Immediate dissemination and compliance to this Memorandum is desired.

RONEL K. FIRMO, Ph. D., CESO V
Schools Division Superintendent
Officer-In-Charge
Office of the Assistant Regional Director

Incl: As stated

clm310



Address: Metalina St., D.M. Government Center, Mairapis, City of San Fernando (P
Telephone Number: (045) 598-8580 to 89; Email Address: region3@deped.gov.ph





Republic of the Philippines
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Template 2

ISSUES AND CONCERNS OF STATE UNIVERSITIES AND COLLEGES (SUCs) AND PRIVATE COLLEGES AND UNIVERSITIES (PCUs) ON THEIR LEARNERS TAKING ENGINEERING/ COMPUTER SCIENCE OR OTHER STEM-RELATED COURSES BUT NOT STEM GRADUATES IN SENIOR HIGH SCHOOL (SHS)

Division: _____

What are the issues and concerns of SUCs and PCUs on their learners taking Engineering/Computer Science or other STEM-related courses but not STEM graduates in SHS?*

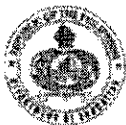
*To be answered by the SUCs and PCUs in your respective division

Prepared/Consolidated by:

Division SHS Focal Person

Noted:

Schools Division Superintendent



Address: Matalino St. D.M. Government Center, Maimpis, City of San Fernando (P
Telephone Number: (045) 598-6580 to 89; Email Address: region3@deped.gov.ph





Republic of the Philippines
DEPARTMENT OF EDUCATION
DepED Complex, Meralco Avenue
Pasig City 1600

60-0500-0-2019-123

MEMORANDUM

DM-CI-2019-00346

TO : MINISTER, MBHTE-BARMM
ALL REGIONAL DIRECTORS

FROM : DIOSDADO M. SAN ANTONIO
Undersecretary for Curriculum and Instruction

SUBJECT : Consultative Forum on Possible Integration of STEM and TVL

DATE : October 15, 2019

The Department of Education, through the Bureau of Curriculum Development, will conduct a Consultative Forum on Possible Integration of STEM and TVL on October 28 to 31, 2019 at Hotel Fortuna, Cebu City.

The forum aims to gather recommendations for the possible integration of Science, Technology, Engineering and Mathematics (STEM) and Technical-Vocational and Livelihood (TVL) Tracks to better prepare SHS TVL learners who will pursue STEM-related courses or SHS STEM learners who will pursue engineering or ICT-related courses

In this regard, each region is requested to send 3 participants composed of their Mathematics, Science and EPP/TLE/TVL Regional Supervisors. Please email to melanie.unida@deped.gov.ph the names of participants from your region who will attend the forum. Likewise, please advise participants to register online on or before October 21, 2019 on this site: www.deped.in/STEMTVL.

Travel expenses including per diem and other incidental expenses of participants relative to their participation in the aforementioned activity have been downloaded to your respective regions, subject to the usual accounting and auditing rules and regulations.

The activity matrix is attached as Enclosure 1. Note that the first meal is breakfast of Day 1 and last meal is lunch of Day 4.

Participants are requested to fill up the templates herein attached as Enclosure 2.

For inquiries and clarifications, please contact Ms. Bernadeth C. Daran, Supervising Education Program Specialist, through her email address at bernadeth.daran@deped.gov.ph or mobile number at 0917-5312388.

Immediate dissemination and response is advised.

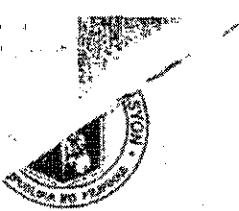


ENCLOSURE 1

CONSULTATIVE FORUM ON POSSIBLE INTEGRATION OF STEM AND TVL
 Hotel Fortuna, Cebu City
 October 28-31, 2019

Objective: The participants are expected to provide recommendations for the possible integration of Science, Technology, Engineering and Mathematics (STEM) and Technical-Vocational and Livelihood (TVL) Tracks to better prepare SHS TVL learners who will pursue STEM-related courses or SHS STEM learners who will pursue engineering or ICT-related courses.

DAY 1: OCTOBER 28, 2019		
TIME	ACTIVITIES	PERSON-IN-CHARGE
8:00am-12:00nn	Arrival, Briefing and Registration of Participants	
12:00nn-1:00pm	Lunch Break	
1:00-2:00pm	Opening Program	
2:00-2:30pm	Rationale of the Consultative Forum	BCD
2:30-5:00pm	Per Region Presentation of Template 1 and 2	Participants
DAY 2: OCTOBER 29, 2019		
8:00-8:30am	Management of Learning	
8:30-9:30am	The SHS STEM Curriculum Framework	
9:30-10:30am	The SHS TVL Curriculum Framework	
10:30am-12:00nn	The TESDA TVL Education Framework with Q & A	TESDA Representative/s
12:00nn-1:00pm	Lunch Break	
1:00-3:00pm	The STEM Curriculum Standards in Tertiary level with Q & A	CHED Representative/s
3:00-5:00pm	Interface with the SHS graduates of TVL Track taking STEM-related courses in College	State Colleges and Universities
DAY 3: OCTOBER 30, 2019		
8:00-8:30	Management of Learning	
8:30-12:00noon	Per region discussion about recommendation on the hybrid curriculum using Template 3	
12:00-1:00	Lunch Break	
1:00-5:00	Gallery Walk	
DAY 4: OCTOBER 31, 2019		
8:00-9:30	Closing Program	
	Home Sweet Home	



ENCLOSURE 2

Template 1:

TVL Strand/ Specialization	No. of students who will take (STEM-related Course 1 ex. Electrical Engineering)	No. of students who will take (STEM- related Course 2 ex. Computer Science)	No. of students who will take (STEM-related Course 3 ex. Mechanical Engineering)

**you may add columns for more STEM-related courses or rows for more TVL Strand/Specialization*

Template 2: (To be answered by the State Universities and Colleges (SUCs) and private colleges and universities in your region.)

What are the issues and concerns of SUCs and private Universities and Colleges on their learners taking Engineering/Computer Science or other STEM-related courses but not STEM graduates in SHS?