



Foundation for Upgrading
the Standard of Education, Inc.

Philippine Council for NGO Certification Accredited



ANNUAL REPORT
2016



Foundation for Upgrading the Standard of Education, Inc.

Philippine Council for NGO Certification Accredited

Our VISION

A Community of Committed Professionals
Aware of Critical Education Issues and
Taking Voluntary Action
To Help Attain Quality Education

Our MISSION

FUSE is an NGO composed of educators
engaged in upgrading the Standard of education
especially in Science, Math & English
through teacher- training; research & advocacy; and
production of instructional materials.



The President Reports



The year 2016 was another fruitful year for FUSE.

What we have accomplished this year were testimonies to our commitment to uphold the goal of FUSE that is, to continuously upgrade the standard of education in our country. I truly admire and I am inspired by the commitment many of you have consistently manifested through the years of volunteered service to help teachers in their professional development. As we have given the very best of what we can share, I guess what really counts most is what have we made of ourselves engaging in such undertaking...our own personal transformation. At this point let me highlight the significant activities we have undertaken this year.

Mental Math for Seniors

Mr. Anthony Esguerra, the resource speaker for the general assembly at the beginning of the year, elicited the excitement of the participants to engage in mental math. Mathematical operations are managed by the students using the abacus embedded in their mind. As a result of the warm response of members, who wanted to learn more about this concept, a workshop on mental math was conducted last December 13, 2017 with FUSE trainors and members in attendance. The workshop was facilitated by the staff of CMA Mental Arithmetic - Philippines.



FUSE backs “Operation Smile”

Dr. Charleston Uy inspired and drew the admiration the participants of the FUSE General Assembly held last February 23, 2016 for the program he has championed “Operation Smile” which provides free surgeries to repair cleft lip, cleft palate and other facial deformities for children throughout the country. He shared the wonderful experience of the children who underwent the surgery and now experience the joy of smiling at someone and getting a smile in return.....the gift of smile. As a gesture of their appreciation members and guests chipped in as well as the FUSE Board to rally behind Dr. Uy’s medical mission.

Baler Hosts Strategic Planning Session

Members of the FUSE Board of Trustees held a two-day (February 25-26, 2016) strategic planning session at the Costa Pacifica in Baler, Quezon through the courtesy of Sen. Edgardo Angara. The group revisited the vision and mission and aptly reformulated its statement. Strategic directions for 2016-2021 were set and concrete lines of actions were defined in support of the goals and objectives of the organization. The event’s participants reiterated the group’s mission to promote volunteerism, excellence and professionalism among its members and reaffirmed its commitment to pursue the upgrading of the standard of education in the country.

Changes in FUSE Board

Dr. Marilu Madrunio, dean of UST Graduate School, was named to the FUSE Board and designated as Chair of the Training committee. Dr. Paulino Tan after serving FUSE for a long time as treasurer, passed on the responsibility to Dr. Justina Evangelista, dean of UE College of Arts and Sciences. Dr. Rosario Alonso, former dean of UP College of Education was designated as Chair of the Monitoring and Evaluation Committee.

Teacher Training

Over two hundred thirty four (234) teachers from 27 private and public elementary/high schools attended the regular pedagogical content knowledge training in the teaching of English, Mathematics, Chemistry, Physics and Elementary Science. The first batch was from the Unified Schools of Lipa (USAL), who participated in a five-day workshop, April 4-8, 2016, held at the Sta. Teresa College under the supervision of FUSE trainers. The Other group came from Don Bosco and CEAP Schools (Catholic Educational Association of the Philippines) who attended a similar training program on May 23-27, 2016 at the FUSE Learning Center for Teachers (LCT).



Training of FUSE Local Trainers

Fifteen (15) FUSE trainers and 35 trainers from the Bicol region attended the Training of FUSE Local Trainers on April 18-22, 2016, at FUSE-LCT, in step with the group's objective to expand the training corps. FUSE designed a new module for this training program.

Models for Effective Teaching, Training

Sen. Edgardo Angara challenged FUSE training group to come up with an instructional design FUSE can call its very own which would effectively increase students' achievement. In response to this challenge FUSE conducted a workshop on "Creating Models for Effective Teaching and Training" under the leadership of Dr. Evelina Vicencio held last May 6, 2016 at the FUSE-LCT after their preliminary meeting held on April 23, 2016. The objective was to craft a teaching-learning model that would contribute to the improvement of teachers and students performance.

Training for Integration of Computer Technology in Education

The development of 21st century skills demands that teachers harness the power of the application of information and communication technology in the facilitation of the teaching learning process. FUSE trainers were offered the opportunity to hone their skills in the use of technology in a workshop dubbed "Integration of Computer Technology in Education" held May 17-18, 2016 at the University of the East's POD-CIT Bldg. on Claro M. Recto Avenue, Manila. The event highlighted the use of multi-media approaches-printed and projected visuals, audio, text, real objects made available through UNESCO, towards preparing learning and training episodes.

Retooling of FUSE Trainers

To update the FUSE Trainers and implement the model of training FUSE had designed, a seminar-workshop was conducted last May 20-21, 2016 at the FUSE – LCT to retool current pool of trainers. They were briefed about the instructional design to be implemented during FUSE trainings. The workshop also had a hands-on session on the integration of ICT resources and presentation of lesson plans by the participants.



FUSE named member of Philippine Science Foundation

FUSE represented by its president was officially named member of the prestigious **Philippine Science Foundation** during its BOT meeting held last June 28, 2016. There is need for FUSE to expand its network and collaboratively work with various organizations and agencies that pursue the goal of uplifting the quality of education in the country.

Brain-based Learning

The development of neuroscience shed light on understanding the mental process in learning and there is now a growing interest how this knowledge could be applied to education. Dr. Danilo Tuazon, a neuroscience expert engaged the participants in the understanding of “brain-based learning.” during the FUSE general assembly held on June 28, 2016. The presentation of the resource speaker drew interest from the participants and they requested that an in-depth understanding of the theories and principles of the brain operation and their educational implications. A seminar-seminar workshop held last October 27-29, 2016 was attended by 46 participants.

Positive Education

The concern for the wellbeing of the learner is a major consideration in the teaching-learning process. Teaching is not merely the acquisition of knowledge and skills but more intently the building of the character of the learner. *“A school curriculum that incorporates wellbeing will ideally prevent depression, increase life satisfaction, encourage social responsibility, promote creativity, foster learning and even enhance academic achievement.”* (Waters, 2014). Mr. Raul Nivera and his team presented Martin Seligman’s PERMA Model – the five elements that can help people reach a life of fulfillment, happiness, and meaning. Acknowledging the significance of these components in the education of the young the participants requested that undergo the training on positive education. The request was approved and scheduled on April 2017.

Online Distance learning

FUSE was accorded the privilege to have the newly installed homegrown Chancellor of the UP Open University to address its members during the FUSE General Assembly held last August 2016. UP Open University (UPOU) pioneered in online teaching and learning and continues to play a leading role in the study and practice of open learning and distance education in the Philippines. UPOU offered the possibility of networking and awarded a fellowship grant availed by some of the members of FUSE.



Philippine International Conference on Teacher Education

To keep abreast with the issues and concerns on teacher training, FUSE through its President participated in the 1st Philippine International Conference on Teacher Education (PICTE) held at the SMX Convention Center, Mall of Asia Complex, Pasay City on September 13-15, 2016 with the theme “Engaging the 21st Century Learners. PICTE brought together renown and influential international and local resource speakers to share theories, current trends and best practices in education. The event was highlighted by presence of its keynote speaker, Dr. Roberto Marzano.

LGUs support FUSE activities

The Board expresses its deep gratitude to the local government units (LGU), which had consistently supported the Foundation’s 5-day teacher-training program. Among them were the LGUs of Sorsogon, Silang (Cavite), Leyte and Bauan (Batangas) where FUSE had held said program in coordination with the provinces’ public high schools.

Relatedly, we wish also to acknowledge the valuable assistance of ACCRA Law Office and SGV had rendered to FUSE.

FUSE accreditation as PCNC member

The Philippine Council for NGO Certification (PCNC) has renewed the accreditation station of FUSE and lauded the organization “as a partner of the Department of Education in delivering better quality education to selected public schools in the country through the Teachers’ Training Program, specifically in Science, Mathematics and English” FUSE collaborated with DepED through its “Adopt a School Program.”


FUSE celebrates Christmas with Disney theme

With the theme “Live in Disneyland”, members and guests observed Christmas 2016 dressed in colorful Disney character costumes. Fr Serafin Peralta, CM, celebrated a Thanksgiving Mass, which preceded the festivities, while FUSE trustee, Dr. Dionisia Rola, delivered the welcome remarks. Everyone enjoyed the festive mood of the celebration...the food...the camaraderie... the fun through the various games organized and dances,...the give-aways through the raffles... and the traditional Christmas package from the LCT group of Companies.



FUSE Annual Report 2016

As we end the year 2016 we look forward to 2017 with anticipation for the many blessings and surprises that are yet to unfold before us....with greater engagement to our commitment in upgrading the standard of education in our country.



Fr. Onofre G. Inocencio, Jr. , SDB
President



TRAINING

The year 2016 witnessed FUSE's alertness to the challenges posed by the newly adopted K-12 basic education curriculum to its teacher-training strategies. Parallel to its efforts to align its training programs to the new challenges posed by K-12, it continued to undertake training programs.

I. Training Programs

The Training Programs undertaken in 2016 were the standard FUSE five-day programs with the following as general objectives:

1. To update and further strengthen the knowledge of the teachers re: the subject being taught.
2. To accumulate relevant information on new strategies on the subject and in research and development.
3. To identify potential trainers among the teacher-participants.

The teacher-trainees are expected to return to their respective classrooms as BETTER teachers.

Over the years, these programs have become classified according to the school level affiliation of the teacher trainees:

1. Elementary School Teachers
2. Secondary School Teachers
3. Basic Education (both elementary and secondary levels)

All in all, two hundred sixty-nine (269) teachers were trained by thirty-eight (38) FUSE-trained Trainers.

The training program as evaluated by the trainees themselves was rated 4.53 on a scale of 1 – 5.



A. Basic Education Training

1. Bauan, Batangas

A 5-day training was held on April 4-8, 2016 for Basic Education teachers of the Unified Schools of the Archdiocese of Lipa. The training venue was at Sta. Teresa College in Bauan, Batangas.

One hundred thirty (130) basic education teachers and a training group of eleven (11) trainers comprised the overall FUSE training group. This training was in partnership with the Unified Schools of the Archdiocese of Lipa (USAL).

**Table 1. FUSE Training, Basic Education Teachers of USAL, April 4-8, 2016:
Subjects covered, Trainers and number of trainees.**

Subject	Trainers	No. of trainees
English	Ms. Ruby Sajise	32
Mathematics	Dr. Nympha Joaquin Ms. Ruth Palanca	34
Physics	Ms. Leah Salvaleon Mr. John Vincent Salayo	64
Chemistry	Ms. Evelyn Josue Dr. Emmanuel Garcia	
Biology	Ms. Gloria Joaban	
Elementary Chemistry	Ms. Evelyn Josue	
Elementary Physics	Ms. Leah Salvaleon	
Earth Science	Mr. Mark Anthony Cua	
Total		130

2. National Capital Region(NCR) and Region IV-A

A 5-day training was designed for Basic Education teachers of Don Bosco schools and the schools under the CEAP on May 23-27, 2016. The training venue was at the FUSE-LCT.

There were one hundred and four (104) basic education teacher-trainees. A training group of 13 trainers –3 male and 10 female – comprised the overall FUSE training group.

This training was in partnership with the Don Bosco schools and the schools under the CEAP.



**Table 2. FUSE Training of Basic Education Teachers of Don Bosco-CEAP,
May 23-27, 2016: Subjects covered, trainers and number of trainees.**

Subject	Trainers	No. of trainees
English	Ms. Rubie Sajise Ms. Gloria de Guzman	28
Mathematics	Dr. Carmelita Ragasa Mr. Allan Canonigo	21
Physics	Ms. Flora Teope Ms. Olive Ungson Dr. Josefina Pabellon	15
Chemistry	Ms. Nora Cordero Mr. Garry Galvez Mr. Jonathan Derez	15
Elementary Science	Ms. Elvira Galvez Dr. Josefina Belen Mr. Edmund Rosales	25
Total		104



B. Training Programs Evaluation

The evaluation of the training programs by the participants themselves showed high levels of satisfaction, with the scores above 4. As to the level of satisfaction on the subject component of the training, Chemistry obtained the highest scores, followed by Mathematics, with Elementary Science as the lowest. Earth Science, Physics, Chemistry and Biology were covered in Elementary Science.

1. Bauan, Batangas

Table 3. Program evaluation by Teacher-Trainees in Bauan, Batangas

Areas Evaluated	Subject Area				
	Mathematics	English	Chemistry	Physics	Elem. Science
Objectives	4.31	4.51	4.76	4.38	4.10
Content, Strategies and Facilitators	4.33	4.59	4.62	4.36	4.17
Training Activities	4.31	4.56	4.67	4.25	4.15
Logistics	4.36	4.17	4.72	4.39	4.57
Course Management	4.41	4.21	4.95	4.57	4.44
Overall Rating	4.34	4.41	4.74	4.39	4.29



Table 4. Bauan, Batangas: Participants' Comments/Suggestions on the training content and strategies , by subject matter

English	Mathematics	Science
<ul style="list-style-type: none"> • Use of Multi-media in teaching • Include/add: • More collaborative but non-pressing tasks/activities. • Review of some grammar rules • Strategies in teaching narrative texts • Strategies in teaching Listening. 	Add: <ul style="list-style-type: none"> • Values Integration • Lesson Planning • Strategies • Calculus • Trigonometry • Statistics and Probability • Topics needed for Grades 11 and 12 	Chemistry: <ul style="list-style-type: none"> • Improve materials/ videos • Add the following: <ul style="list-style-type: none"> • Content of investigatory project • Topics for Grades 11 and 12
		Physics: <ul style="list-style-type: none"> • Get more resource speakers • Expand time allotment for each topic
		Other Comments: <ul style="list-style-type: none"> • Combine Chemistry and Physics as the curriculum is spiral. • Cover difficult topics for teachers to teach their students.



2. NCR

Table 5. Program Evaluation by Teacher-Trainees in NCR-IV-A

Areas Evaluated/Date	Subject Area				
	Mathematics	English	Physics	Chemistry	Elem. Science
Objectives	4.63	4.34	4.31	4.79	4.63
Content, Strategies and Facilitators	4.57	4.37	4.25	4.19	4.82
Training Activities	4.38	4.37	4.26	4.69	4.68
Logistics	4.23	4.03	4.20	4.52	4.51
Course Management	4.37	4.28	4.50	4.62	4.71
Overall Rating	4.44	4.33	4.30	4.70	4.67

It is noted that both 1) the quality of the training in each subject and 2) the competence of the FUSE Trainors are rated. Also included is a listing by subject, of suggestions by the Trainees themselves on how to enrich the subject.

The Teacher Training program was rated high by the participants, Table 6 below shows all ratings cluster around 4.5

Table 6. Level of competence of FUSE trainers in subjects handled, by type of training and by venue.

Subject Area/Date	Teacher Trainer (by venue, by date)	
	Sta. Teresa College (Region IV-A), April 4-8, 2016	FUSE-LCT NCR and IV-a, May 23-27, 2016
English	4.48	4.53
Mathematics	4.34	4.34
Chemistry	4.75	4.28
Physics	4.38	4.48
Elementary Science	4.23	4.76
Average	4.44	4.48



Table 7. NCR IV-A. Participants' Comments/Suggestions on training content and strategies, by subject matter

English	Mathematics	Science
<p>Add</p> <ul style="list-style-type: none"> • Teaching Grammar • Lesson planning based on the DepEd curriculum guide • Linguistics • Literature <p>Include helpful trends and updates in teaching activities to be done after the discussions</p>	<p>Add</p> <ul style="list-style-type: none"> • Teaching Strategies in math • Ways on how to lessen the Math burden • Trigonometric Identities, applied Math • More performance tasks, more motivation-games to catch students interest 	<p>in Elem Science:</p> <p>Add</p> <ul style="list-style-type: none"> • Training of Science teachers from K-3 • Construction of Lesson Plan • Methods of Teaching research
		<p>in Chemistry:</p> <p>Add</p> <ul style="list-style-type: none"> • Gas Laws and Chemical Reactions • Empirical Formulas and Chemical Equations • Topics for Grades 11 and 12 • Chemistry • Intermolecular forces and liquid and solids • Biology subject
		<p>in Physics:</p> <p>Add</p> <ul style="list-style-type: none"> • Teaching strategies, student centered activities • Technology as a tool of Teaching • Effective assessment tools in teaching Science • Teaching of Biology • More topics in Grades 9 and 10 in Physics

Thus far, FUSE has trained 234 teachers prepared to be more effective classroom teachers in the schools they came from. It is probable that some of them will be trained as trainers to train teachers to become better teachers.



II. The Trainers: Builders of Teacher Competence

It could be said at the outset that the singular strength of the FUSE training schema is its continuing **self evaluation** practice. This has led to growth.

This year FUSE embarked on a new training approach to Teacher Training and Trainers Training. This approach is to train teachers to become better teachers and in the same region to train selected teachers from amongst the trained group to become trainers. An expansion of the trainer group would thus result in FUSE being able to train more teachers. On this premise, it conducted the **Training of FUSE Local Trainers (TOFLT)** for FUSE trainers and trainers from the Bicol region. The actual **Training of FUSE Local Trainers** was conducted at FUSE-LCT on April 18-22, 2016. This training was attended by 15 FUSE trainers and 35 participants from the Bicol region.

Table 8. Training of FUSE Local Trainers, Manila,
April 18-22, 2016: Program coverage, by subject, by number of trainees
and trainers, by topics covered

General Plenary	Topics	Speakers	No. of Trainers
	Vision, Mission, Core values History of FUSE Design of TOFLT Objectives of TOFLT Training Policies/Guidelines	Dr. Marilu Madrunio	50
	Content of FUSE Training the Teachers (FT3) Training Design	Dr. Josefina Belen	50
	Experiential Learning Constructivism Principles of Adult Learning	Ms. Leah Salvaleon	50
	Training Method Strategies Techniques (TMST) Openers and Enders	Dr. Josefina Pabellon	50
	Training Method Strategies Techniques (TMST) Integration of FUSE Values Brainstorming	Dr. Evelina Vicencio	50



General Plenary	Topics	Speakers	No. of Trainers
	Session Management Manpower Facilitation Skills Giving and Receiving Feedback	Ms. Aurora Catabona	50
	Action Planning Needs Assessment	Mr. Mark Fabella	50
	Reflective Teaching Questioning Techniques Course Summary	Ms. Josephine Calamlam	50
	Integration of ICT	Ms. Cynthia Grace Diaz	50
	Assessment	Ms. Jojie Calamlam	50

SUBJECT	TOPICS	SPEAKERS	NO. OF TRAINERS
English	Getting to Know You TMST Session Management: Time management Machine and Materials:	Dr. Lourdes Tayao	8
Mathematics	<ul style="list-style-type: none">Integrating ICTPreparing Teaching Aids	Ms. Anita Ong Ms. Judy Gabriel	7
Science	Session Planning Practicum	Dr. Josefina Belen Ms. Elvira Galvez Dr. Josefina Pabellon Ms. Leah Salvaleon Ms. Nora Cordero Ms. Evelyn Josue	21
Total			36



FUSE Annual Report 2016

Table 9. Level of competence of FUSE speakers in the Training of FUSE Local Trainers

Subject Area	FUSE-LCT Division of Sorsogon (Region V) April 18-22, 2016
English	4.48
Mathematics	4.68
Elementary Science	5.00
Secondary Physics	4.88
Secondary Chemistry	4.54
Total	4.70

Table 10. List of Schools Represented in the Training of FUSE Local Trainers

1	Bagong Silang National High School
2	Bayasong National High School
3	Caditaan National High School
4	Casiguran Technical Vocational School
5	Castilla National High School
6	Cumadcad National High School
7	Dinapa National High School
8	Donsol National High School
9	Donsol West Elementary School
10	Lydia Martinez National High School
11	Macalaya National High School
12	Magallanes National High School
13	Magallanes North Elementary School
14	Mayon National High School
15	Pilar 1 Elementary School
16	Pilar National High School
17	Salvacion National High School
18	Sorsogon National High School
19	Sorsogon Pilot Elementary School
20	Sorsogon State College



Table 11. Participation of Trainers in Teacher Training, by subject coverage and by regional distribution of trainees

Subject	Respective Trainers	Region where trainees came from	Number of Regions served
English	Dr. Marilu Madrunio	V	1
	Ms. Rubie Sajise	NCR and IV-A	2
	Dr. Ma. Lourdes Tayao	V	1
	Ms. Gloria de Guzman	NCR and IV-A	1
Mathematics	Ms. Ruth Palanca	IV-A	1
	Ms. Anita Ong	V	1
	Dr. Ma. Nympha Joaquin	IV-A	1
	Mr. Allan Canonigo	NCR and IV-A	1
	Ms. Judy Gabriel	V	1
	Dr. Carmelita Ragasa	NCR and IV-A	1
Chemistry	Ms. Evelyn Josue	V	1
	Ms. Nora Cordero	NCR , IV-A and V	2
	Mr. Garry Galvez	NCR and IV-A	1
	Dr. Emmanuel Garcia	IV-A	1
	Mr. Jonathan Derez	NCR and IV-A	1
Physics	Mr. John Vincent Salayo	IV-A	1
	Ms. Leah Salvaleon	IV-A and V	2
	Ms. Olivia Ungson	NCR and IV-A	1
	Dr. Josefina Pabellon	NCR and IV-A, V	2
	Ms. Flora Teope	NCR and IV-A	1
Elementary Science	Ms. Leah Salvaleon	V, NCR and IV-A	2
	Ms. Elvira Galvez	V, NCR and IV-A	2
	Ms. Gloria Joaban	IV-A	1
	Mr. Edmundo Rosales	NCR and IV-A	1
	Mr. Mark Anthony Cua	IV-A	1
	Dr. Josefina Belen	V, NCR and IV-A	1
Other Subjects	Fr. Onofre Inocencio, Jr	IV-A	1
	Dr. Evelina Vicencio	V	1
	Ms. Aurora Catabona	V	1
	Ms. Josephine Calamlam	V	1
	Mr. Mark Fabella	V	1
	Ms. Cynthia Grace Diaz	IV-A, V	2



FUSE Annual Report 2016

**Table 12. Training of FUSE Local Trainers, April 18-22, 2016,
FUSE-LCT: Trainers' subject coverage, by number of trainees and trainers**

Subject	FUSE Speakers	Number of Trainers covered by the Trainers
Session by Subject		
English	Dr. Marilu Madrunio Dr. Lourdes Tayao	8
Mathematics	Ms. Anita Ong Ms. Judy Gabriel	7
Chemistry	Mr. Nora Cordero Ms. Evelyn Josue	7
Physics	Dr. Josefina Pabellon Ms. Leah Salvaleon	7
Elementary Science	Ms. Elvira Galvez Dr. Josefina Belen	7
Plenary Sessions		
Integration of ICT	Ms. Cynthia Grace Diaz	50
Session Management	Ms. Aurora Catabona	50
Action Planning	Mr. Mark Fabella	50
Experiential Learning	Ms. Leah Salvaleon	50
Assessment	Ms. Jojie Calamlam	50
TOTAL		50

The FUSE Training Corps is recognized as a select group committed to help teachers become more effective. They always help themselves rise to the highest levels of competence as attested by the table below. Table 13 attests to this claim.

This year, as shown in Table 13, thirty two (32) Trainers trained a total of two hundred sixty nine (269) trainees. Seven (7) of them trained in more than one region. The average ratings given by their trainees to their respective Trainers in Science, English and Mathematics are **4.59, 4.50, 4.45**, respectively.



Table 13. Number of trainers, by number of venues served, by number of trainees and overall rating in subject coverage

Subjects and Respective Trainers	Number of Venues	Total Number of Trainees	Rating
English			
Ms. Rubie Sajise	2	67	4.50
Ms. Gloria de Guzman	1		
Dr. Marilu Madrunio	1		
Dr. Lourdes Tayao	1		
Mathematics			
Dr. Nympha Joaquin	1	62	4.45
Ms. Ruth Palanca	1		
Ms. Anita Ong	1		
Ms. Judy Gabriel	1		
Dr. Carmelita Ragasa	1		
Mr. Allan Canonigo	1		
Science			
Ms. Evelyn Josue	2	135	4.59
Ms. Leah Salvaleon	2		
Ms. Gloria Joaban	1		
Ms. Elvira Galvez	2		
Ms. Nora Cordero	2		
Dr. Josefina Pabellon	2		
Dr. Josefina Belen	1		
Mr. Mark Anthony Cua	1		
Mr. John Vincent Salayo	1		
Dr. Emmanuel Garcia	1		
Mr. Edmund Rosales	1		
General Topics			
Ms. Cynthia Grace Diaz	2	165 130 35	
Fr. Onofre Inocencio. Jr	1		
Dr. Evelina Vicencio	1		
Ms. Josephine Calamlam	1		
Ms. Aurora Catabona	1		
Mr. Mark Fabella	1		
Total/ Average		269	4.51

Note: No ratings were given to speakers who talked on General Topics



FUSE Annual Report 2016

Table 14. Training management group: Insights on FUSE Trainer training programs

	Insights/Comments*
English	The newly-designed “Training of FUSE Local Trainers” (TOFLT) highlighted different strategies – (Problem-posing and Think, Pair-off and Talk) to develop oral language skills and (Discourse Analysis and Concept Mapping) for reading and writing tasks; along with possible sources of materials- (Presentation, Practice, Enrichment, Assessment) making use of sketches and pictograms downloaded from the internet of puzzles cut out from Sunday newspaper magazines. As such, it enhances the creativity and resourcefulness of the trainer and develops reflection on the part of the teacher trainee.
Mathematics	The seminar provided substantial information on how learning can effectively take place. It updated us on current research findings on the teaching-learning process. The technology training provided us hands-on experience on how we can integrate technology in our presentations.
Science	During training, the trainer-facilitator should actively involve teachers and teacher trainers in the process of meaning and knowledge construction, and engage them in reflective analysis of their beliefs, practices, and roles in the teaching-learning process.
Training Committee Chair	<p>From the vantage point of FUSE, 2016 was marked by diverse training activities, from strategic planning sessions to content training and training on strategies and techniques. All of these helped achieve the desired results for FUSE in the year just past.</p> <p>These successful results were realized following the conduct of three important activities organized by FUSE. First among these was the training session held in Baler, Quezon whose principal purpose was to align our materials with K12 to match the program’s competencies. The second was a five-day content training for USAL, Don Bosco and CEAP teachers, which, like the first, was very well attended. The third activity was the training of local trainers from FUSE NCR and the Bicol region.</p> <p>These accomplishments were due mainly to two important factors: the trainers whose individual dedication as volunteer mentors made them the driving force in FUSE, and the training participants whose positive attitude towards learning new things related to teaching transformed the FUSE programs concerned into a successful catalyst for the improvement of teaching on the ground level. No amount of words could express how good the trainers felt when participants almost unceasingly praised and thanked them for the good work they did for the training recipients. The innovative and imaginative outputs from the training sessions speak of the interfacing of content and practice that the participants have all become aware of. Nothing could be a source of genuine fulfillment for both the trainers and trainees than a successful undertaking put together by FUSE as an initiative for upgrading education in the Philippines.</p>

*these responses are presented as is to give the readers a real “feel” of the respondents’ reactions.



Table 15. Participants' Comments/Suggestions/Recommendations on the training content and strategies, by subject matter

English	Mathematics	Science
<ul style="list-style-type: none"> • The need for more time, especially for discussion of content. • The use of technology, (e.g. powerpoint) especially in learning technique and teaching strategies. • The need to update and upgrade CONSTEC DVD's to align with the K-12 curriculum. 		
<ul style="list-style-type: none"> • More teaching strategies, lesson planning and integrating 21st century skills in the activities 	<ul style="list-style-type: none"> • More timely and effective approaches to effectively teach students 	<ul style="list-style-type: none"> • Chemistry and Physics must be combined as the curriculum is spiral
<ul style="list-style-type: none"> • Choice of topics need improvement 	<ul style="list-style-type: none"> • More time to dig deeper in Statistics like the inferential part. 	<ul style="list-style-type: none"> • In Chemistry, materials and/or videos need to be improved.
		<ul style="list-style-type: none"> • Difficult topics should be covered for teachers to teach their students
		<ul style="list-style-type: none"> • More topics in Grades 9 and 10
		<ul style="list-style-type: none"> • Include or add Biology subject in the training.
<ul style="list-style-type: none"> • Add more of teaching strategies, lesson planning and integrating 21st century skills in the activities • Choice of topics need improvements 	<ul style="list-style-type: none"> • More timely and effective approaches to effectively teach students • More time to dig deeper in Statistics like the inferential part 	<ul style="list-style-type: none"> • Delivery of topics in terms of multimedia needs improvement.



Trainer Development

Thus far, FUSE has extended its sights and likewise expanded the sphere of its services. It is no longer just teacher development but also trainer development.

FUSE trainers, some of whom fresh from a successful 5-day training in Bauan Batangas, immediately sat down to brainstorm on how to update and strengthen its training program. Spearheaded by Dr. Evelina Vicencio, FUSE Trustee, 26 trainers and members held a preliminary meeting on how to create models for effective teaching and training which culminated with the conception of the FUSE training design with the assistance of Dr. Marilu R. Madrunio. This was followed by holding a workshop on May 6, 2016 on “**Creating Models for Effective Teaching and Training**” attended by members of the Board and the team leaders of the different subjects.

Thus, to add to the FUSE trainer’s cache of abilities, a two-day workshop (May 17 and 18, 2016) on the ***Integration of Computer Technology*** was held at the Manila campus of the University of the East.

Training groups also participated in evaluating not only the training structure but also themselves in a technological setting.

Held at the POD-CIT (*Panfilo O. Domingo- Computer Information Technology*) Building, the event mirrored the Foundation’s initiative to change the way teachers teach and deliver content, among them, through the adoption of computer technology. The workshop included a hands-on session on the integration of ICT resources and presentation of lesson plans by each group of trainers utilizing social media.

Capping the ICT training was a workshop held at the FUSE Learning Center for Teachers, on May 20-21, 2016, on the **Re-tooling of Trainers** using integrated computer technology.

Individual FUSE members are thus given the opportunity to acquire new skills in keeping up with modern trends of teaching and learning. They also create opportunities to examine the training design and structure they set in place in order to know how to be more efficient and effective.

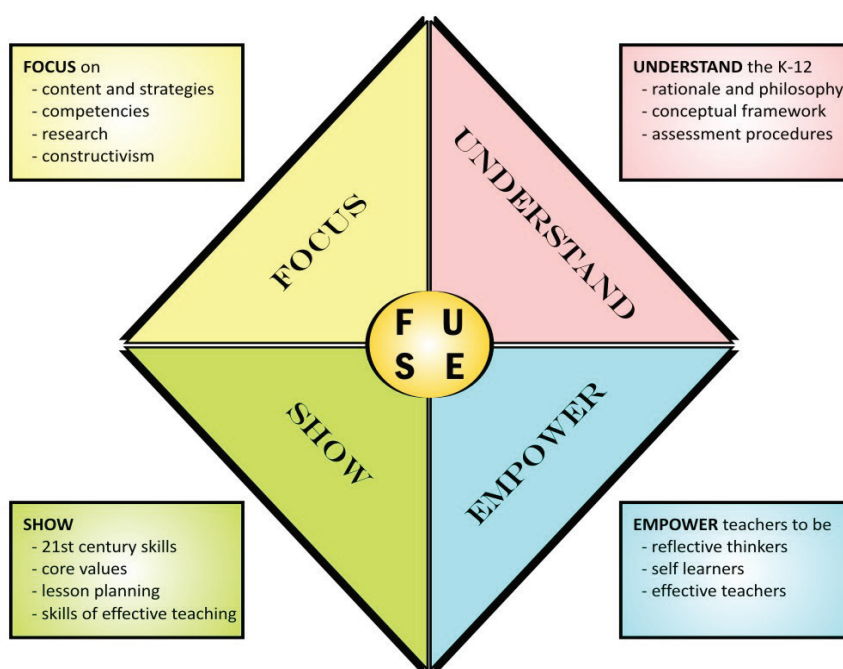


Towards A Wholistic FUSE Training Paradigm

To prepare teachers for the demands of the new curriculum and to update existing CONSTEC materials, FUSE created models for teaching and training to help our teachers become very effective in the new century. Several workshops were held to discuss these models and to re-tool our teachers to use these models.

From *Creating Models for Effective Teaching and Training* to *Training for Technology Integration* and, finally, to *Re-Tooling of Trainers workshops* emerge the new FUSE training design: *FUSE Training the Teachers (FT3)* and *Training of FUSE Local Trainers (TOFLT)*.

FUSE Training the Trainer (FT3)



Training Design for FUSE Training the Teachers (FT3)

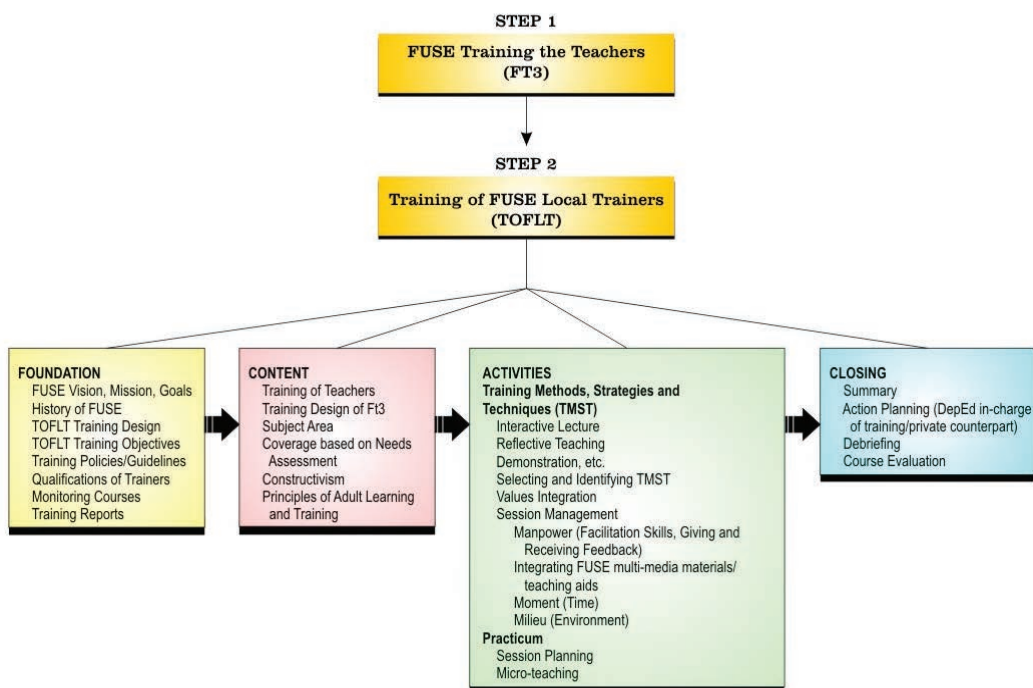
General Objective

- Enhance the teacher-participants' knowledge of 21st century content and be able to teach in a 21st century context.



Specific objectives

- Familiarize the teacher participants with the scope and coverage of the K12 high school curricula in Math, English and Science;
- Enhance the teaching skills and strategies of the teacher-participants needed in effectively handling subjects in the K12 high school curriculum;
- Increase the participants' knowledge of 21st century teaching and learning skills: critical and creative thinking, global awareness, effective communication, digital, environment, visual, health, and civic literacies;
- Employ 21st century assessment tools that measure 21st century skills; and
- Enhance the teachers' ability to produce model or relevant lesson plans.



Training Design for FUSE Local Trainers (TOFLT)

The Training of FUSE Local Trainers (TOFLT) is a five-day training program for experienced teachers in Mathematics, English and Science. Participants broaden their knowledge by learning the latest developments in their respective fields and develop the skills they need to train Math, English and Science teachers in secondary schools.

They also learn how to run and manage training sessions, observe teaching and give and receive feedback. Participants who successfully complete the training program become qualified to train other teachers. This FUSE training can actually serve as your own continuing professional development



The principal objective of the TOFLT is to create a critical mass of Mathematics, English and Science trainers in the country who have basic knowledge, skills and experiences to provide training programs and deliver them excellently leading to quality results,

From this design the trainees will learn the following:

- Key methods, strategies/techniques in teaching Math, English and Science;
- Conduct needs assessment;
- Deliver engaging workshops;
- Evaluate training sessions effectively; and
- Network with teachers from other schools.
-

TOFLT will help local trainers to:

- Engage critically with relevant concepts, principles and best practices in teaching;
- Engage in reflective practice by evaluating experiences and outcomes;
- Improve the quality of your teaching thereby enhancing the quality of your students' learning; and
- Customize training for different groups of participants.

Note: A full explication of this FUSE Training Paradigm will be published in FUSION



Growing “The Teacher”

A. Brain-Compliant Learning Seminar

Over 40 teachers, including FUSE trainers, participated in a three-day (October 27-29, 2016) training program on Brain-based Education/ Learning at the FUSE Learning Center for Teachers under the supervision of licensed psychologist and UP professor, Dr. Danilo Bv Tuazon.

This is part of FUSE’s mission to upgrade the capabilities of its teacher-trainers and to provide them with additional expertise, this time in the field of brain-based learning and positive education.

The workshop aimed to explain to the teachers and trainers how they should be able to better appreciate the brain in order for them to teach more effectively and harness the potential of the students.

The group underwent various training exercises geared at positively and efficiently honing their teaching skills through brain-based learning methods.

The training dealt on the core principles of neuroscience as it relates to the learning curves of students and doing away with counter-productive and “traditional” methods, among others.

The participants came from UST, New Era University, Don Bosco Schools (Tarlac, Mandaluyong, Makati, Canlubang) and the Office for the Development of Education Apostolate (ODEA).

B. Mental Math

About fifty-two (52) teachers on December 13 underwent training on mental math, which aims to help minors, including the elderly, develop a photographic memory with the use of abacus beads and answer arithmetic problems with considerable speed.

With **Lilibeth Tan Ng**, of **CMA Mental Arithmetic**, overseeing the workshop, the teachers as well as FUSE trainers participated in training exercises, including structured abacus lessons, that seek to boost memory power, remove the fear of numbers and hone one’s analytical skills.

The program was in response to the request of teachers and trainers for FUSE to hold such seminar following the talk by Mr. Anthony Esguerra about mental arithmetic in the January general assembly.



Institution Development

A. Revisiting the Vision and Mission of FUSE

FUSE, through the guidance of its two (2) Trustees Dr. Rosario O. Fuentes and Dr. Evelina Vicencio, worked on updating its vision and mission to keep up with the times. Acting on their recommendations, FUSE came up with a more apt statement of FUSE's Vision and Mission.

Vision: Taking voluntary action for Quality Education

Mission:

FUSE is a community of committed professionals undertaking integrated and collaborative programs to develop teacher excellence as instructional leader and classroom manager.

Goals:

- Develop reflective teachers
- Build a core of teacher trainers
- Produce instructional materials
- Create models of teaching/training for learning
- Expand professional networks

Values:

- Volunteerism
- Excellence
- Professionalism



B. Organizational Growth

FUSE marks its 23rd year

FUSE turned 23 in October 2016. Joining the celebration was Dr. Renato Solidum Jr., Executive Director of the Philippine Institute of Volcanology and Seismology (PhiVolcs). Dr. Solidum was the guest speaker of the October's general assembly, during which he pushed for inclusion of disaster-preparedness training in the curriculum.





C. The Monthly General Assembly

As in previous years, this regular monthly meeting [called GA (jie-ey) by most], held on the last Tuesday of the month, brought together FUSE members to be updated not only as classroom teachers but also as professionals interested in the multiple dimension of education and where and how they could continue to contribute to nation-building.

Month	Topic	Guest Speaker
January	<i>Mental Arithmetic</i>	Mr. Anthony Esguerra
February	<i>Operation: Smile</i>	Dr. Charleston Uy
March	<i>4-A's</i>	Dr. Evelina M. Vicencio
June	<i>Brain-Based Learning</i>	Dr. Danilo Bv. Tuazon
July	<i>Positive Education</i>	Mr. Raul I. Nivera
August	<i>Open Distance Learning</i>	Dr. Melinda Dela Peña Bandalaria
September	<i>Conversation on Constructivism in a Learner-Centered Classroom</i>	Dr. Fe Hidalgo Ms. Ma. Lourdes Nery Cura Ms. Sheryl Gayola Mr. Roseo Caburian
October	<i>The Valley Fault System</i>	Dr. Renato U. Solidum, Jr





FUSE Annual Report 2016

General Assembly Speakers



Mental Arithmetic
Mr. Anthony Esguerra
CEO
CMA Mental Arithmetic
January 26, 2016



Operation: Smile
Dr. Charleston Uy
President/ CEO
Uy Dental Clinic
February 23, 2016



4-A's
Dr. Evelina M. Vicencio
FUSE Trustee/ Dean, UE
March 28, 2016



Brain-Based Learning
Dr. Danilo Bv. Tuazon
Brain-based Learning Specialist
June 28, 2016



Positive Education
Mr. Raul I. Nivera
Pastoral Counselor
Center for Family Ministry
July 26, 2016



Open Distance Learning
Dr. Melinda Dela Peña Bandalaria
Chancellor
UP Open University
August 23, 2016



Conversation on Constructivism in a Learner-Centered Classroom



Dr. Fe Hidalgo

FUSE Trustee/Retired OIC Dept of Education
September 23, 2016



Ms. Ma. Lourdes N. Cura

Principal, Everest Academy Manila
September 23, 2016



Ms. Sheryl Gayola

Division and District Supervisor-Malabon
DepEd
September 23, 2016



Mr. Roseo Caburian

Teacher, Balara High School
September 23, 2016



The Valley Fault System

Dr. Renato U. Solidum, Jr

Executive Director
Philippine Institute of Volcanology and
Seismology (PhiVolcS)
October, 25, 2016



D. Resources Growth

FUSE New Members and Trainers		
New members and trainers	Academic degrees	Position
1. Alan L. Guda	AB English, PUP	Philippine Navy
2. Alexander C. Balcoba	EdD major in Educational Administration, UE MA in Language Teaching major in English, PUP BS Physical Therapy, Fatima College	Faculty, Researcher-Writer, UE
3. Vivian I. Buhain	PhD Applied Linguistics, PNU Ed.D . Education Management, NEU MA Language Education, NEU MA Special Education, NEU MA Ed. Psychology, NEU	Faculty, New Era University
4. Dahlia R. Domingo	PhD Linguistics, PWU MA Ed English As A Second Language, UP Iloilo BSHT-Home Technology, TSU Tarlac	Faculty, New Era University
5. Marissa R. Operario	Ed.D Educ Management, NEU MA Ed Language Education, NEU BSE, NEU	Professional Lecturer, New Era University
6. Emily P. Orpiada	MA Language Education, NEU Bachelor of Laws, NEU BSE-English,	High School and College Faculty, New Era University
7. Garry D. Galvez	MA Chemistry Education, UP BSE Chemistry, BSU	Taal High School, Balagtas Bulacan
8. Marcelo Vergara	MA in Teaching, UE BS Chem Engineering, UP	Director, UE Admissions Office Physics Professor, UE,



9. Felipe Alcala Jr.	EdD-Educational Leadership-NTC MAT-College Teaching-OLFU AB Philosophy	College Teacher, Coordinator of Curriculum Development - UE
10. Roselle Basa	MA Information Technology- TUP BS Computer Science-UE	Program Coordinator for ICT, UE
11. John Paul Gonzales	MA-Information Management, UE BS Information Technology, UE	Program Assistant, UE
12. Mildred Jimenez	MAEd-Educational Mgt and Administration-PWU AB English-UE	Faculty – CAS/CEDUC, Program Coordinator for Faculty Devt,UE
13. Marc Laurenze Celis	DBA International Corporate Strategies-Hitotsubachi University MBA Management Information System-JRU BS Computer Science-AMA Computer College AB Legal Management, UST	Educator/Marketing Professional-Don Bosco Technical College
14. Monica Nealiza	MA in Education, PCHS BS Ed, UST	Teacher, Retired
15. Erlinda Valdez	MAEd Administration and Supervision BS Elem Education, NLTC	Teacher, Retired
16. Raul Nivera	MA Public Admin, UP AB Economics, Ateneo	Pastoral Counselor
17. Ma Regina Policarpio	MA English Language Studies, UST BSE Major in English, UST	Teacher, UST
18. Rachelle B. Lintao	PhD English Language Studies, UST MA in Teaching the English Language Arts, PNU AB/BSE major in English with Reading, PNU	Assistant Professor, UST
19. Anna Maria Gloria Ward	MAEd in English Language, DLSU Post Graduate Diploma Course, Regional Language, Singapore BSE English, UST	Teacher, UST
20. Elodie Aliento Cada	MA Communication Arts, PLM BSE Ed, NU	Teacher, Retired
21. Julieta Valenzuela	MA Science, PNU BS Chemical Engineering/ Chemistry, FEATI University	Teacher PAREF Woodrose School



E. Saluting Achievement

A Salute to the Math Olympiad Winners

I salute the Mathematical Society of the Philippines! Because of its purposiveness and constancy in inspiring students to so love and learn mathematics as to excel even in international competitions, the Philippine Team's six (6) students ranked 36th among 104 participating countries, the Philippine's best since 1989. I share your serious intent to rise to the top.

The Mathematical Society of the Philippines has demonstrated that excelling in competitions is attainable. I especially wish it well in its continuing and fervent campaign to develop effective teachers of Mathematics who will produce, among others, the winners of tomorrow.

Again, Congratulations!

Dr. Lucio Tan

Vice-Chairman

Foundation for Upgrading the Standard of Education



Math Olympiad Winners

The team is composed of the following:

1. **Clyde Wesley S. Ang**
Chiang Kai Shek College
2. **Kyle Patrick F. Dulay**
Philippine Science High School-Main
3. **Raymond Joseph C. Fadri**
Makati Science High School
4. **Albert John L. Patupat**
Holy Rosary College
5. **Adrian Reginald C. Sy**
St. Jude Catholic School
6. **Farrell Eldrian S. Wu**
MGC New Life Christian Academy

The Philippine Team got a total score of 87 and ranked 36th among 104 participating countries. The IMO was first held in 1959 in Romania and has been held annually in various host countries. This year, it was held in Chiang Mai, Thailand on July 4-16, 2015. Adrian Reginald Sy and Clyde Wesley Ang garnered Silver Medals, Farrell Eldrian Wu and Albert John Patupat got Bronze Medals.

The MOSC and the Philippine participation to the IMO are joint projects of the DOST-SEI and the MSO. These projects have been generously supported by FUSE.





Partners and Benefactors

FUSE has steadily drawn the support of industry stakeholders who have actively involved themselves in FUSE's mission to “develop teacher excellence as instructional leader and classroom manager”. To them, our deepest gratitude.

A. New Partners

A1. The Unified Schools of the Archdiocese of Lipa

This training is a partnership with Catholic schools under the umbrella of the Unified Schools of the Archdiocese of Lipa(USAL). The training program was participated in by 14 schools.

A2. The Don Bosco Schools and Schools under the CEAP

This training is a partnership with the Don Bosco schools and the schools under the Catholic Educational Association of the Philippines. Participating schools came from 2 Regions namely: NCR and IV-A

B. Continuing Partner

Following the heels of the Leyte training, the office of **Congresswoman Evelina Escudero** and the **SHE Foundation**, sponsored a Trainer's-training program for the FUSE NCR Trainors and Trainors from the Bicol area.

C. Perpetual Benefactors

C1. Tan Yan Kee Foundation (TYKF)

FUSE acknowledges with deep gratitude the continued total support of all its projects by the Tan Yan Kee Foundation coupled with the unquestioning faith in their worth. It salutes Dr. Lucio Tan for his self-effacing generosity, his quiet dignity in giving, and his putting into action his faith in education and belief in the power of The Teacher. *Maraming Salamat Po, Sa Tiwala N'yo sa Amin !*



C1. Sycip Gorres Velayo and Co (SGV)

FUSE is pleased to work in close partnership with SGV towards achieving better quality education for Filipinos. Its commitment to extend audit services to FUSE shows the unwavering trust of SGV in all of FUSE's projects. Your unceasing support is sincerely appreciated.

C2. ACCRALAW

For the continuing generous, timely, sound, legal counsel and services of the staff of ACCRA through its founding partner, Senator Edgardo J. Angara. Thank you.



FUSE Annual Report 2016

Elementary Science

April 4-8, 2016
Sta. Teresa College
Bauan, Batangas

Ms. Evelyn Josue

Chemistry Trainer

Ms. Leah Salvaleon

Physics Trainer

Ms. Gloria Joaban

Biology Trainer

Mr. Mark Cua

Earth Science Trainer

Ancheta, Amanda T.
Academia de San Isidro Labrador

Anorico, Emelyn A.
St. Therese Catholic School Batangas Inc.

Barit, Fermina M.
Escuela Sagrada Familia

Bautista, Myrene
St. Mary's Educational Institute

Betsayda, Maria Cristina D.
Our Lady of Peace Academy

Blay, Carmina Marie M.
Our Lady of Caysasay Academy

Canete, Joy P.
St. Mary's Educational Institute

Castillo, Imee L.
Escuela Sagrada Familia

Dayanghirang, Maria Teresa
Sta. Teresa College

De Castro, Rachelle R.
Escuela Sagrada Familia

De Ocampo, Neslie
Our lady of Caysasay Academy

Dutado, Dianne Grace P.
Missionary Catechist of the Sacred Heart
School

Esclanda, Jayvee B.
Sta. Avida

Guevarra, Santa Esmeralda
St. Therese Catholic School Batangas Inc.

Gutierrez, Maria Gracia B.
Our Lady of Peace Academy

Ilagan, Myrene G.
St. Mary's Educational Institute

Innumerable, Lisette D.
San Guillermo College

Jumarang, Denisse Mae L.
St. Therese Catholic School Batangas Inc

Kalalo, Marienald Heart M.
Sta. Teresa College

Lontoc, Marian G.
St. Therese Catholic School Batangas Inc.



Marquinez, Denniw Marie P.
St. Therese Catholic School Batangas Inc.

Matin, Mac Denver B.
St. Mary's Educational Institute

Maxino, Roliza L.
Sta. Teresa College

Mendoza, Katrina D.
St. Therese Catholic School Batangas Inc.

Mendoza, Liezel D.
Our Lady of Caysasay Academy

Mirano, Jing-jiong D.
Our Lady of Caysasay Academy

Navarro, Ronalyn
Academia de San Isidro Labrador

Palomares, Jean A.
St. Mary's Educational Institute

Perez, Mary Jane C.
Saint Raphael Archangel Parochial School

Plata, Rolando Jr. S.
Academia de San Francisco Javier

Pormison, Louchel M.
Sta. Teresa College

Ramirez, Alona
Missionary Catechist of the Sacred Heart School

Recio, Daisylie M.
Sta. Avida

Rio, Carmina S.
St. Therese Catholic School Batangas Inc

Romen, Gemma C.
Escuela Sagrada Familia

Samiado, Aileen Joyce S.
Academia de San Francisco Javier

Sanque, Alice C.
Escuela Sagrada Familia

Tecia, Rio Dale
Escuela Sagrada Familia





FUSE Annual Report 2016

Chemistry

April 4-8, 2016
Sta. Teresa College
Bauan, Batangas

Acuzar, Dorotea G.
Sta. Teresa College

Alipustain, Donna R.
Our Lady of Peace Academy

Alvarez, Perlite B.
Sta. Teresa College

Bejasa, Moana Venus D.
Sta. Teresa College

Cabatian, Jill Ann N.
Our Lady of Peace Academy

Cabral, Bianca V.
Our Lady of Caysasay Academy

Dr. Emmanuel Garcia
Chemistry Trainor

Ms. Evelyn Josue
Chemistry Trainor

Dipalac, Juan Paulo N.
Sta. Teresa College

Malibiran, Elicar
Our Lady of Caysasay Academy

Pesigan, Alona P.
Our Lady of Caysasay Academy

Sandoval, Kathleen Jane A.
Saint Guillermo Academy

Villalobos, Sheryl S.
St. Mary's Educational Institute





Physics

April 4-8, 2016
Sta. Teresa College
Bauan, Batangas

Ms. Leah Salvaleon

Physics Trainer

Mr. John Vincent Salayo

Physics Trainer

Abratique, Anna Viola I.
Sta. Teresa College

Plopinio, Cherrie Lou
Our Lady of Caysasay Academy

Acuña, Roxane S.
Our Lady of Caysasay Academy

Quitain, Thelma M.
Sta. Teresa College

Barrias, Benigno
Our Lady of Peace Academy

Raz, Rachelle M.
Sta. Teresa College

Dimayuga, Apple C.
St. Mary's Educational Institute

Reyes, Joy N.
Sta. Teresa College

Fedelicio, Jovencio Jr. F.
San Guillermo Academy

Sacdolan, Vanessa
St. Raphael the Archangel Parochial School

Maloles, Fatima Micah P.
St. Thomas Academy

Salazar, Cherry
Our Lady of Caysasay Academy

Mercado, Teodora C.
St. Thomas Academy

Villanueva, Orlando C.
Sta. Teresa College

Paglinawan, Annie B.
Sta. Teresa College





FUSE Annual Report 2016

English

April 4-8, 2016
Sta. Teresa College
Bauan, Batangas

Ms. Rubie Sajise

English Trainor

Andal, Elsie S.
Our Lady of Caysasay Academy

Bacca Virimie M.
St. Mary's Educational Institute

Baon, Olive D.
Sta. Teresa College

Barrientos, Gerilyn P.
San Guillermo Academy

Bautista, Jeffrey
Our Lady of Peace Academy

Briones, Daisy Jane M.
St. Mary's Educational Institute

Casas, Aida
Sta. Teresa College

Datinguinoo, John April
St. Mary's Educational Institute

Geron, Benedict M.
Our Lady of Caysasay Academy

Ilagan, Julie Ann A.
Sta. Teresa College

Jesalva, Kim Marjorie S.
Saint Thomas Academy

Jumarang, Agnes M.
San Guillermo Academy

Lingeras, Josielyn V.
St. Mary's Educational Institute

Macatangay, Mary Grace M.
St. Raphael Archangel Parochial School

Manimtim, Lariel T.
San Guillermo Academy

Maranan, Donnalyn R.
Sta. Teresa College

Marasigan, Nezelle
Our Lady of Peace Academy

Mendoza, Janice B.
Sta. Teresa College

Miranda, Ceasar M.
St. Mary's Educational Institute

Molina, Gennie Grace M.
Our Lady of Peace Academy

Oliva, Monalisa G.
St. Mary's Educational Institute

Padilla, Maycee L.
Academia de San Francisco Javier

Pantoja, Nancy N.
Our Lady of Peace Academy

Quialaton, Ann Krissabelle T.
Our Lady of Caysasay Academy

Ramirez, Alona
Missionary Catechist of the Sacred Heart
School



Silang, Emely G.
Sta. Teresa College

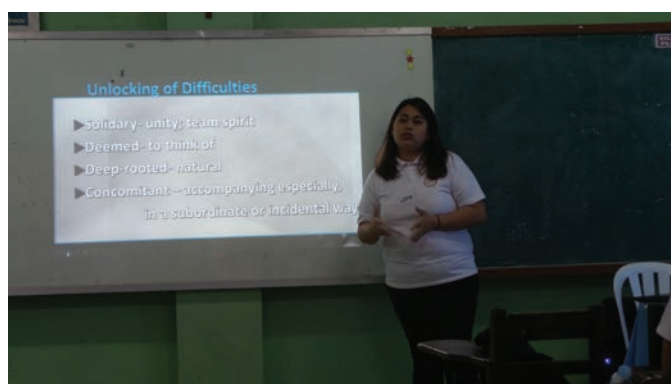
Silang, Harlene E.
Our Lady of Caysasay Academy

Sr. Calleja, Ma. Victoria A., MCHS
Saint Michael the Archangel Parochial School

Sr. Cristobal, Ma. Susana G., MCHS
Missionary Catechist of the Sacred Heart School

Villahermosa, Riggie M.
Sta. Teresa College

Zapanta, Kristal Joy A.
St. Thomas Academy





FUSE Annual Report 2016

Mathematics

April 4-8, 2016
Sta. Teresa College
Bauan, Batangas

Agbing, Carolyn P.
Sta. Teresa college

Alcaraz, Desiree D.
St. Mary's Educational Institute

Baral, Mary Grace B.
Academia de San Francisco Javier

Bereña, Angelita S.
Our Lady of Caysasay Academy

Bunguin, Chona D.
Sta. Teresa College

Cabral, Noreen V.
Our Lady of Caysasay Academy

De Guzman, Criselda P.
Our Lady of Caysasay Academy

Dientre, Marilou B.
Sta. Teresa College

Dimaculangan, Feejay A.
Sta. Teresa College

Dimailig, Jazzalea T.
Sta. Teresa College

Fayusal, Aileen I.
Sta. Teresa College

Gomez, Julieta D.
Our Lady of Peace Academy

Dr. Nympha Joaquin
Math Trainer

Ms. Ruth Palanca
Math Trainer

Lopez, Mariel
Our Lady of Caysasay Academy
Lopez, Lorida T.
Sta. Teresa College

Macalipay, Ricardo B.
St. Mary's Educational Institute

Magboo, Lovely Mae B.
St. Mary's Educational Institute

Mangabat, Jellie G.
Saint Thomas Academy

Mendoza, Amienette G.
Our Lady of Peace Academy

Mendoza, Julie Ann D.
Sta. Teresa College

Oroza, Febie Giana
San Guillermo Academy

Oyong, Marianne R.
Sta. Teresa College

Pantoja, Anna Rose I.
Our Lady of Peace Academy

Perez, Joan C.
Our Lady of Caysasay Academy

Pesigan, Geneve V.
St. Mary's Educational Institute



Punzalan, Aileen E.
Sta. Teresa College

Punzalan, Eugene T.
Our Lady of Caysasay Academy

Ramos, Alma G.
Sta. Teresa college

Reyes, Jennifer A.
Sta. Teresa College

Santarin, Mikee
San Guillermo College

Suarez, Rhasell V.
Sta. Teresa College

Sumadsad, Neveriza M.
St. Mary's Educational Institute

Sumagui, Jenny Rose
San Guillermo Academy

Tenorio, Ma. Buenaflor G.
Saint Thomas Academy

Tolomia, Wayne Vincent
San Guillermo Academy

Vergara, Shirly L.
Our Lady of Caysasay Academy





FUSE Annual Report 2016

Elementary Science

April 18-22, 2016

FUSE-LCT

Manila

Arias, Eutequio
Donsol West

Belen, Josefina
Trainer - Retired NISMED Professor

Galvez, Elvira
Trainer - Consultant, Phil. Science Centrum

Deyto, Josefa
Salvacion Natinal High School

Espedido, Luningning
Magallanes North

Eugenio, Rowena
Sorsogon Pilot Elementary School (Sor West)

Hunat, Wilma
Magallanes North

Mella, Edna
Magallanes North

Sarias, Adrianne
Pilar 1

Totañes, Anita
Pilar 1





Chemistry

April 18-22, 2016

FUSE-LCT

Manila

Añonuevo, Judith
Macalaya National High School

Carvajal, Mary Ann
Sorsogon National High School

Cordero, Nora
Trainer - Retired Professor

Digo, Gerry
Sorsogon State College

Gueta, Jocelyn
Casiguran Technical Vocational School

Josue , Evelyn
Trainer - Retired Professor

Legaspi, Arlene
Bagong Silang Natinal High School

Mañago, Wilma
Caditaan National High School

Samson, Argielyn
Cumadcad National High School





FUSE Annual Report 2016

Physics

April 18-22, 2016

FUSE-LCT

Manila

Bungcag, Edgardo
Lydia Martinez National High School

Lagco, Eleanor
Sorsogon State College

Madronio, Vilma
Salvacion National High School

Matabuena, Nenneth
San Raphael National High School

Dr. Josefina Pabellon
Physics Trainer - Retired NISMED Professor

Peñalba, Joan
Castilla National High School

Ms. Leah Salvaleon
Biology & Physics Trainer - Professor

Santonio, Sherilyn
Dinapa National High School





English

April 18-22, 2016

FUSE-LCT

Manila

Ataiza, Marla
Donsol National High School

Carretero, Marigrace
Sorsogon State College

De Lumen, Marife
Pilar National Comprehensive High School

Diesta, Rommel
Cumadcad National High School

Guab, Joseph
Casiguran Technical Vocational School

Guerina, Karen
Sorsogon National High School

Llenaresas, Adora
Salvacion National High School

Madrunio, Marilu
English Trainer

Sajise, Rubie
De La Salle University

Tayao, Lourdes
English Trainer - Retired Professor





FUSE Annual Report 2016

Mathematics

April 18-22, 2016

FUSE-LCT

Manila

Borja, Rowena
Sorsogon National High School

Dio, Ryan
Sorsogon State College

Funelas, Nerissa
Casiguran Technical Vocational School

Gabarda, Marilou
Donsol National High School

Ms. Judy Gabriel
Math Trainer - Retired Professor

Hunat, Angelo
Magallanes Natinal High School

Lasala, Ramon
Mayon National High School

Lucenario, Oliver
Magallanes National High School

Ong, Anita
Math Trainer - Professor, DLSU





Elementary Science

May 23-27, 2016

FUSE-LCT

Ermita Manila

Elvira Galvez

Trainer

Josefina Belen

Trainer

Edmund Rosales

Trainer

Aguilando, Rommel
Don Bosco Technical College Mandaluyong

Argawanon, Mae Felyn
Don Bosco College Canlubang

Bragais, Ivy
Don Bosco College Canlubang

Cajurao, Geraldine Mae
Our Lady of Lourdes Catholic School Caloocan

Calibo, Evelyn
Don Bosco Technical College Mandaluyong

Candoy, Armida Hazel
Good Shepherd Cathedral School

Corpuz, Vanessa
Pasig Catholic College

Dable, Nesel
St. Alphonsus Liguori Integrated School Cavite

Dela Cruz, Rachel
Marikina Catholic School

Diaz, Joriza
Pasig Catholic College

Dizon, Wendy Ann
Don Bosco Technical College Mandaluyong

Galuz, ruby
Sta. Cecilia Parochial School

Halili, Maricon
Binangonan Catholic College

Jancinal, Angelica
Don Bosco Technical College Mandaluyong

Magcalas, Marc Tristan
Pasig Catholic College

Malabanan, Princess Dianne
Don Bosco College Mandaluyong

Malit, Joyce
Nuestra Señra de Aranzazu

Mendoza, Noemi
Don Bosco Technical College Mandaluyong

Nonoy, Flordeliza
Pasig Catholic College

Obdin, Racel
St. Alphonsus Liguori Integrated School

Oseo, May Ann
Cainta Catholic College

Ramos, Sisa
St. Alphonsus Liguori Integrated School



FUSE Annual Report 2016

Salonga, Bernadette
Don Bosco College Canlubang

Tabajonda, Josephine
Paco Catholic School

Tandang, Emmar
Don Bosco College Canlubang

Ugay, Bernadette
Sto. Niño Catholic School





Chemistry

May 23-27, 2016

FUSE-LCT

Ermita, Manila

Nora Cordero

Trainer

Garry Galvez

Trainer

Jonathan Derez

Trainer

Aquino, Jonnalyn

Sta. Cecilia Parochial School-San Mateo

Campos, Carolina

Don Bosco College Canlubang

De Guzman, Angelica

Sto. Niño Catholic School

Epetia, Princess

Nuestra Sñra de Aranzazu Parochial School

Idello, Julius

Our Lady of Lourdes Catholic School-Caloocan

Libao, Cathy

St. Alphonsus Liguori Integrated School-Cavite

Maralit, Giselle

Pasig Catholic College

Nesel, Dable

St. Alphonsus Liguori Integrated School-Cavite

Ramos, Sisa

St. Alphonsus Liguori Integrated School-Cavite

Razonable, Alexis

Caritas Don Bosco

Reyes, Patrick

Good Shepherd Catholic School

Tang, Rachelle

Don Bosco Technical College Mandaluyong

Tenorio, Micaelle-Lauren

Cainta Catholic College

Villasis, Ma Cristina

Sto. Niño Catholic School





FUSE Annual Report 2016

Physics

May 23-27, 2016

FUSE-LCT

Ermita Manila

Flora Teope

Trainer

Olive Ungson

Trainer

Josefina Pabellon

Trainer

Ancheta, Jennifer
Marikina Catholic School

Andaya, Zhane Chevnalzka
Don Bosco Technical College Mandaluyong

Aramil, Maria Sylvia
Binangonan Catholic College

Cagampang, Gerbuen
Nuestra Señra de Aranzazu

Calvelo, cielo
St. Alphonsus Liguori Integrated School Cavite

Cendoza, Clemente
Binangonan Catholic College

Cortez, Aldrin
Sto Niño Catholic School

Dellosa, Simon Erick
Cainta Catholic College

Guinoo, Loucille
Our Lady of Lourdes Catholic School Caloocan

Mendoza, Menchie
Pasig Catholic College

Natividad, Eric
Don Bosco College Canlubang

Oliquino, John Carlo
Don Bosco Technical College Mandaluyong

Peña, Kathleen
Sta. Cecilia Parochial School San Mateo

Rapanot, Jhone Denille
Cainta Catholic College





FUSE Annual Report 2016

English

May 23-27, 2016

FUSE-LCT

Ermita Manila

Rubie Sajise

Trainer

Gloria de Guzman

Trainer

Almonte, Artell
Don Bosco College Canlubang

Isla, John
Don Bosco Technical College Mandaluyong

Aragon, Mariz
Marikina Catholic School

Labang, Jonalyn
Don Bosco College Canlubang

Canlas, Edith
Don Bosco Technical College Mandaluyong

Macapagal, Jan Nico
Cainta Catholic College

Casilla, Nica
Our Lady of Lourdes Catholic School-Calooan

Maullion, Anita
Don Bosco College Canlubang

Castillo, Erna Joyce
Don Bosco College Canlubang

Pañares, Jessa May
Don Bosco College Canlubang

Cubi, Emerson
Binangonan Catholic College

Perez, Christine
Sta. Cecilia Parochial School-San Mateo

Condino, Regiel
Don Bosco College Canlubang

Polledo, Liezel
Nuestra Señra de Aranzazu

Dalida, Narciso
Nuestra Señra de Aranzazu

Reyes, Dave
Don Bosco Technical College Mandaluyong

Danao, Lauricio
Don Bosco College Canlubang

Rigor, Benesa Nikol
Don Bosco College Canlubang

Esteban, Maria Samantha
Don Bosco College Canlubang

Romero, Christy
Our Lady of Lourdes Catholic School Calooan

Flores, Ovelyn
Nuestra Señra de Aranzazu

Suan, Sharon
Sto. Niño Catholic School

Hicban, Marivic
Caritas Don Bosco School

Tamayo, Christine
Pasig Catholic College



Tamboong, Justin
Our Lady of Lourdes Catholic School Callocan

Venus, Emee Grace
Nuestra Señra de Aranzazu

Villanueva, Mae Ciel
Don Bosco College Canlubang





FUSE Annual Report 2016

Mathematics

May 23-27, 2016

FUSE-LCT

Ermita, Manila

Carmelita Ragasa

Trainer

Allan Canonigo

Trainer

Bacuyag, Joyce
Don Bosco College Canlubang

Banal, Joan
Cainta Catholic College

Declaro, Joseph
Don Bosco Technical College Mandaluyong

Dominguez, Mary Lyn
Don Bosco Technical College Mandaluyong

Hapita, Kristoffer Elmer
Don Bosco College Canlubang

Juan, Noel
Caritas Don Bosco

Lorena, Heber
Don Bosco Technical College Mandaluyong

Manabat, Catalino Jr.
Don Bosco Technical College Mandaluyong

Mangubat, Christian
Don Bosco College Canlubang

Landoy, Rey Alez
Don Bosco College Canlubang

Poblete, Nimrod
Don Bosco College Canlubang

Pullan, Christine
Don Bosco Technical College Mandaluyong

Regorgo, Bill Clinton
Nuestra Señra de Aranzazu

Resma, Erbert dela
Don Bosco College Canlubang

Rubin, Reyland Jay
Sto Niño Catholic College

San Andres, Marijoy
Nuestra sñra de Aranzazu

Serrano, Mandah
Good Shepherd Cathedral School

Sibayan, Lito Jr.
Don Bosco College Canlubang

Torres, Marissa
Nuestra Señra de Aranzazu

Vasallo, Rodante
Marikina Catholic School

Villarin, Cheryl
Binangonan Catholic School

Wong, Henry Jr.
Sta. Cecilia Parochial School-San Mateo





FUSE Annual Report 2016

CREATING MODELS FOR EFFECTIVE TEACHING AND TRAINING

(Preliminary meeting)

April 9, 2016

FUSE-LCT

Dr. Evelina M. Vicencio

Board of Trustee Facilitator

Aquino, Florita
English

Jimenez, Mildred
Member

Ungson, Olivia
Physics

Balcoba, Alexander
Member

Joaban, Gloria
Elementary Science

Inocencio, Fr. Onofre
FUSE-President

Belen, Josefina
Elementary Science

Joaquin, Nympha
Mathematics

Calamlam, Josephine
English/Science

Josue, Evelyn
Chemistry

Canonigo, Allan
Mathematics

Madrunio, Marilu
English/Board of Trustee

Catabona, Aurora
Elementary Science

Maniacop, Jason
Elementary Science

Cordero, Nora
Chemistry

Pabellon, Josefina
Physics

Cua, Mark Anthony
Elementary Science

Palanca, Ruth
Mathematics

Diaz, Cynthia Grace
Member

Rosales, Edmundo
Elementary Science

Evangelista, Justina
Mathematics/Board of Trustee

Sajise, Rubie
English

Fabella, Mark
English

Salvaleon. Leah
Physics

Galvez, Elvira
Elementary Science

Tayao, Ma. Lourdes
English



CREATING MODELS FOR EFFECTIVE TEACHING AND TRAINING

May 6, 2016

FUSE-LCT

Belen, Josefina
Elementary Science

Canonigo, Allan
Mathematics

Evangelista, Justina
Mathematics/Board of Trustee

Hidalco, Fe
FUSE Vice-President

Madrunio, Marilu
English/Board of Trustee

Monzon, Annabelle
Chemistry

Pabellon, Josefina
Physics

Rola, Dionisia
Board of Trustee

Vicencio, Evelina
Board of Trustee



FUSE Annual Report 2016

Integrated Computer Technology Workshop

May 17-18, 2016
5th Floor, POD-CIT Bldg
University of the East

Cynthia Grace Diaz
ICT Trainer

Rachel de Claro
ICT Trainer

Belen, Josefina
Elementary Science

Bernardo, Alejandro
English

Canoñigo, Allan
Mathematics

Catabona, Aurora
Elementary Science

Cua, Mark Anthony
Elementary Science

De Guzman, Gloria
English

Evangelista, Justina
Mathematics/Board of Trustee

Fabella, Mark
English

Joaban, Gloria
Elementary Science

Joaquin, Nympha
Mathematics

Josue, Evelyn
Chemistry

Madrurnio, Marilu
English/Board of Trustee

Monzon, Annabelle
Chemistry

Pabellon, Josefina
Physics

Palanca, Ruth
Mathematics

Plata, Sterling
English

Ragasa, Carmelita
Mathematics

Roxas, Mario
Press Release Officer

Sajise, Rubie
English

Tayao, Ma. Lourdes
English

Teope, Flora
Physics

Ungson, Olivia
Physics

Vicencio, Evelina
Board of Trustee



RE-TOOLING WORKSHOP

May 20-21, 2016

FUSE-LCT

Dr. Evelina M. Vicencio

FUSE-Board of Trustee

Ms. Aurora Catabona

Facilitator

Belen, Josefina
Elementary Science

Bernardo, Alejandro
English

Catabona, Aurora
Elementary Science

Cua, Mark Anthony
Elementary Science

Inocencio, Fr. Onofre
FUSE-President

Galvez, Elvira
Elementary Science

Galvez, Garry
Chemistry

De Guzman, Gloria
English

Ignacio, Teresita
English

Joaban, Gloria
Elementary Science

Josue, Evelyn
Chemistry

Maniacop, Jason
Elementary Science

Madrunio, Marilu
English/Board of Trustee

Monzon, Annabelle
Chemistry

Pabellon, Josefina
Physics

Palanca, Ruth
Mathematics

Plata, Sterling
English

Ragasa, Carmelita
Mathematics

Teope, Flora
Physics

Ungson, Olivia
Physics



FUSE Annual Report 2016

WORKSHOP





BRAIN-COMPLIANT LEARNING SEMINAR

October 27-29, 2016

FUSE-LCT

Dr. Danilo Bv. Tuazon

Speaker/Lecturer

Alonzo, Rosario
English

Rosales, Edmundo
Science

Fabella, Mark
English

Vicencio, Evelina
FUSE Board of Trustee

Madrurnio, Marilu
English

Inocencio, Fr. Onofre G.
FUSE President

Tayao, Ma. Lourdes
English

Roxas, Mario
PRO

Evangelista, Justina
Mathematics

Agbisit, Mark Jayson
Don Bosco Makati

Gabriel, Judy
Mathematics

Margallo, Ramon
Don Bosco Makati

Joaquin, Nympha
Mathematics

Rosario, Ray Mar
Don Bosco Makati

Palanca, Ruth
Mathematics

Tambalo, Judith L.
Don Bosco Makati

Belen, Josefina
Science

Zulueta, Annie
Don Bosco Makati

Catabona, Aurora
Science

Cañaberal, Hannah
Don Bosco Mandaluyong

Cordero, Nora
Science

Gonzales, Bro. Daniel
Don Bosco Mandaluyong

Galvez, Garry
Science

Moya, Sieralyn
Don Bosco Mandaluyong

Monzon, Annabelle
Science

Oliquino, John Carlo
Don Bosco Mandaluyong



Reyes, Dave
Don Bosco Mandaluyong

Villanueva, Hazel
Don Bosco Mandaluyong

Aracon, Fatima
Don Bosco Canlubang

Almonte, Artell
Don Bosco Canlubang

Barba, Maricor
Don Bosco Canlubang

Mauillion, Anita
Don Bosco Canlubang

Camacho, John Daniel
Don Bosco Tarlac

Dungo, Roy
Don Bosco Tarlac

Dizon, Alberto
Don Bosco Tarlac

Magsino III, Lord Marcelo
Don Bosco Tarlac

Celis, Mark Laurenze
ODEA

Choa, Scott
ODEA

Agujar, Maria Heizel S.
New Era University

Andaya, Mylene O.
New Era University

Bigornia, Annabelle M.
New Era University

Moguer, Esther G
New Era University

Tucker-Rustia, Felida B
New Era University

Arriero, Regina
University of Santo Tomas

Lintao, Rachelle
University of Santo Tomas

Ward, Anna Maria Gloria
University of Santo Tomas



BRAIN-COMPLIANT LEARNING SEMINAR





FUSE Annual Report 2016

Mental Math

December 13, 2016

Lilibeth Tan Ng

CMA Mental Arithmetic

Agujar, Maria Heizel

Alcala Jr., Felipe

Alonso, Rosario

Andaya,, Mylene o.

Asuncion, Rommel

Aucasis, Ronald

Barbo, Randy

Bagaoisar, Kimberly Marie

Belen, Josefina

Bigornia, Anabelle

Buhain, Vivian

Campos, Carolina

Celeste, Gervy Rhie

Co, Elizabeth

Cordero, Nora

Declaro, Joseph

Dolor, Daisy

Domingo, Dahlia

Escario, Maricar

Espina, Richard

Evangelista, Justina

Fabella, Mark

Fabic, Myra

Galvez, Garry

Garcia, Lilia

Gayo, Willy

Gonzales, Jenalyn

Gonzales, John Paul

Guda, Alan

Hao, Lester

Inocencio, Fr. Onofre G

Joaban, Gloria

Joaquin, Nympha

Lao Jr., Antonio M.

Mabini, Agnesliz

Mejico, amniel

Moguer, Esther

Montalvo, Maria Paz

Nealiga, Monica G.

Ng, Lilibeth

Orate

Ong, Loly

Operario, Marissa

Orpiada, Emily

Sapno, Marlon

Sibayan Jr., Lito

Sorrosa, Rina P.

Tandoc, Rosario D.

Tayao, Lourdes

Tesorio, Eflida P.

Tucker-Rustia, Felida

Valdez, Erlinda

Valenzuela, Julieta

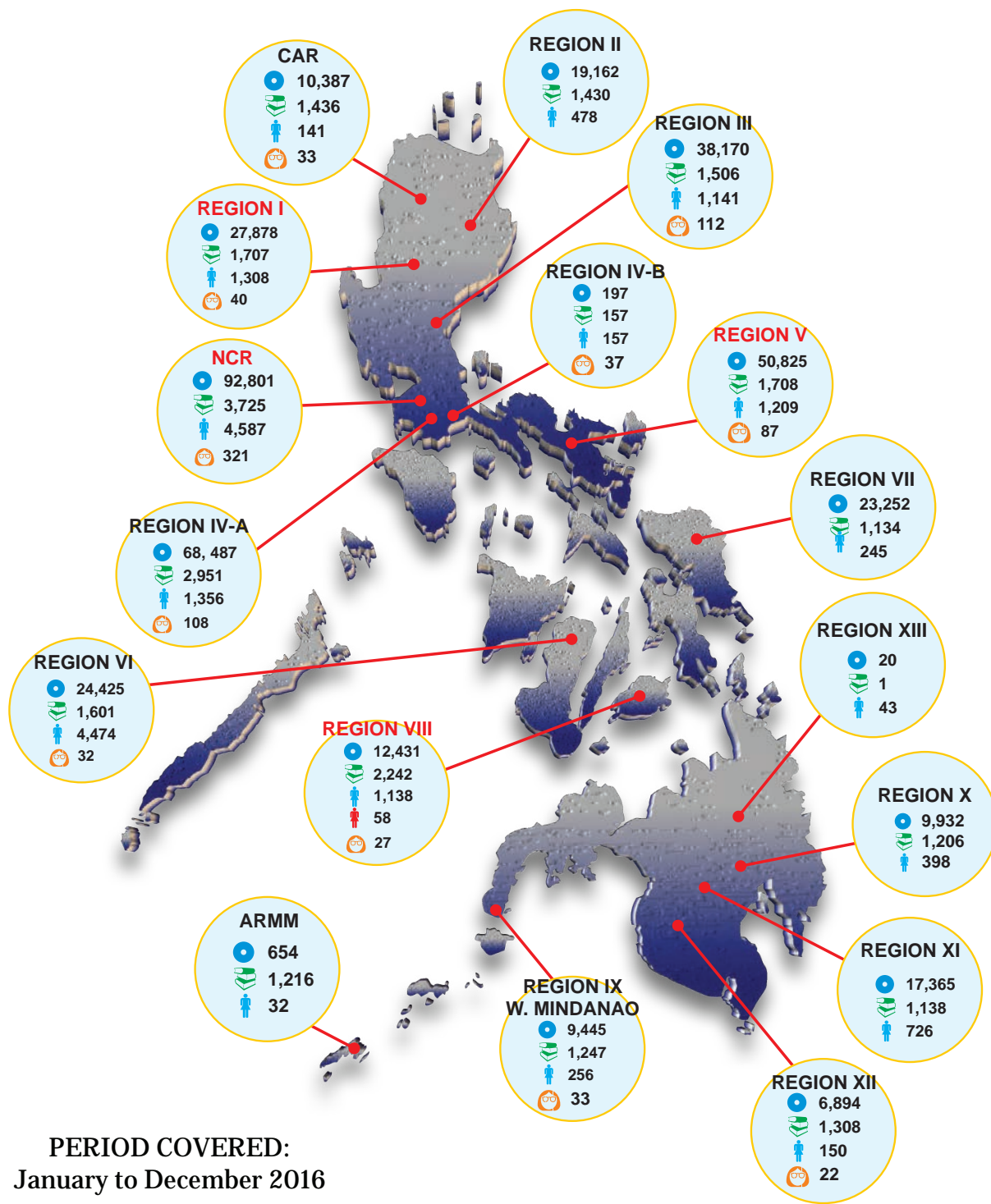


MENTAL MATH SEMINAR





FUSE Across the Nation



FUSION JOURNAL
27,911



CONSTEC DVDs
412,325



TEACHERS TRAINED
17,839



TRAINORS TRAINED
58



PRINCIPALS TRAINED
852



Board of Trustees



Edgardo J. Angara
Chairman



Lucio C. Tan
Vice-Chairman



Onofre G. Inocencio
President



Fe A. Hidalgo
Vice-President



Justina M. Evangelista
Treasurer



Dionisia A. Rola



Maria Lourdes S. Bautista



Ester A. Garcia



Evelina M. Vicencio



Rosalina O. Fuentes



Marilu R. Madrunio



Secretariat

Helen T. Siy
Marie Paz V. Carada
Josefina B. Santiano
Regina Elizabeth V. Maalat
Benzon C. San Jose
Loreto T. Amalla

Public Relations

Joey G. De Guzman
Mario S. Roxas, Jr.

Corporate Secretary

Atty. Brigida S. Aldeguer

Legal Counsel

ACCRA LAWYERS

Joselito M. Bautista
Dan Bernard S. Sabilala
Christian Grace F. Salonga
Margeline T. Carrasco
Blesie Mae P. Bustamante
Shiree Amor P. Roma

External Auditor

SYCIP GORRES VELAYO & CO.
Kristopher S. Catalan – Partner
Royelle M. Natural – Associate Director
Bernadette Pauline de Asis – Associate

Internal Auditor

Regina G. Andoy

FUSE Hymn

Lyrics by Isagani Cruz

Teachers, you're our country's hope
You will save our land
FUSE is here to help you cope
Lend a helping hand.

FUSE provides you teaching tools
Points you to the path
To improve in all our schools
English, Science, and Math.

Let the teachers go and teach
We are here for you
All together we will reach
Students old and new.

Let's upgrade the standard of our education
Let us all move hand in hand, educate our nation
Let's upgrade the standard of our education
Let us all move hand in hand, educate our nation
Let us all move forward, educate our nation.

Partner Institutions



TAN YAN KEE FOUNDATION, INC.

A Foundation of the Lucio C. Tan Group of Companies

