



Republic of the Philippines
Department of Education
REGION III
SCHOOLS DIVISION OF PAMPANGA

May 2, 2025

DIVISION MEMORANDUM

No. 280, s. 2025

**DIVISION TRAINING ON INSTRUMENTATION AND IMPROVISATION
IN MATHEMATICS TEACHING AND LEARNING**

To: Assistant Schools Division Superintendents
Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors
Public Elementary and Secondary School Heads
All Others Concerned

1. This Office announces the conduct of the Division Training on Instrumentation and Improvisation in Mathematics Teaching and Learning, which will be held on May 26–28, 2025, at Otel Pampanga, Lazatin Blvd., City of San Fernando, Pampanga, from 8:00 a.m. to 5:00 p.m. each day.
2. The training specifically aims to:
 - 2.1 explain the importance of instrumentation and improvisation in fostering mastery of essential learning competencies in Mathematics;
 - 2.2 create improvised teaching and learning resources using the design thinking process for practical use in classroom instruction; and
 - 2.3 develop the teacher's lesson plan and action plan as an application of learning from the training.
3. The participants in the above-mentioned training are the thirty-three (33) District Mathematics Representatives (DMRs), one hundred thirty-two (132) Junior High School (JHS) Math Leaders, and seven (7) Senior High School (SHS) Mathematics Cluster Coordinators. Participants are requested to bring their laptops, pocket Wi-Fi devices, and extension cords for use during the workshops.
4. Attached are Enclosure No. 1 for the List of Participants and Technical Working Group and Enclosure No. 2 for the Training Matrix.
5. Resource speakers and members of the technical working group must attend the virtual planning meeting for this activity on Wednesday, May 7, 2025, at 9:00 a.m., via Google Meet. The meeting shall discuss details and necessary preparations for the upcoming training.
6. Participants are entitled to a three-day service credit as stipulated in DO No. 13, s. 2024 – Revised Guidelines on Grant of Vacation Service Credits to Teachers.




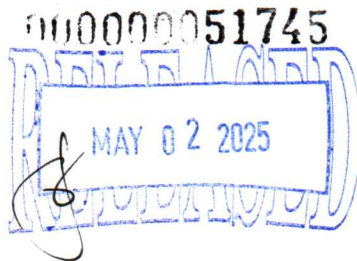
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7. Transportation and other incidental expenses for participants shall be charged to their respective school's MOOE or other local school funds, subject to the usual accounting and auditing rules and procedures. Food expenses during the training will be charged against Division HRTD Funds.
8. This Memorandum serves as the official travel order of the participants.
9. Immediate and wide dissemination of this Memorandum is earnestly desired.


ROMEO M. ALIP, PhD, CESO V
Schools Division Superintendent



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Enclosure No. 1 to Division Memorandum No. ____, s. 2025

LIST OF PARTICIPANTS

DISTRICT MATHEMATICS REPRESENTATIVES		
NO.	NAME	STATION/SCHOOL
1	Laarni G. Ingal	Pitabacan Elementary School
2	Reynold G. Manalac	San Agustin Elementary School
3	John Joseph L. Puno	Manibaug Libutad Elementary School
4	Aileen A. Dimalanta	Mitla Balik Barangay Elementary School
5	Oliver B. Magpale	San Nicolas Elementary School
6	Jackilyn B. Olalia	Arenas Elementary School
7	Flora P. Sagum	Dulong Ilog Elementary School
8	Paz C. Sagum	Bambang Elementary School
9	Olivia T. Mangalino	Barangca Elementary School
10	Maritess m. Hollera	Sto. Domingo Elementary School
11	Betsheba P. Sioson	Concepcion Elementary School
12	Khenet P. Sibug	Tangle Elementary School
13	Arlene P. Lacbayan	San Luis Central School
14	Rachel P. Balajadia	San Roque Elementary School
15	Imelda T. Bautista	Sampaga Elementary School
16	Leah L. Usi	Batasan Elementary School
17	Raquel M. Pingol	Sitio Mindanao Integrated School
18	Michael Q. Manansala	Palimpe Elementary School
19	Edgar C. Dizon	Nigui Elementary School
20	Dianne D. Lacsina	Saplad Elementary School
21	Jenny B. Quiambao	Concepcion Integrated School
22	Rina T. Miranda	San Vicente Elementary School
23	Cherry O. Sales	Bacolor Integrated School
24	Gayle M. Adrillano	Cabalantian Elementary School
25	Jennifer P. Lagman	Bodega Elementary School
26	Evelyn L. Lalas	Calantas Elementary School
27	Kelvin S. Montilla	San Pedro Elementary School
28	Leila B. Alipio	Magsaysay Elementary School
29	Amiel M. Garcia	San Pablo 2nd Elementary School
30	Jennifer T. Chavez	Baruya Elementary School
31	Dinna C. Manguera	Sta Monica Elementary School
32	Baby Cynthia S. Tungul	Sto. Tomas Elementary School
33	Jon Joshua D. Ordoñez	San Isidro Elementary School
JUNIOR HIGH SCHOOL MATHEMATICS LEADERS		
NO.	NAME	STATION/SCHOOL
1	Marilou L. Macasaquit	Andres M. Luciano High School
2	Rea C. Parungao	Arayat National High School
3	Mark S. Manlapaz	Ayala High School
4	Arcel G. Santos	Balitucan High School



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5	Ariel Reyes	Camba High School
6	Benedic C. Pineda	Candating High School
7	Ivy Joyce L. Manguil	Carmelo F. Lazatin NHS
8	Rachelle Ann A. Rivera	Dolores NHS
9	Princess Camille C. Caguiat	Gatiawin High School
10	Rica D. Bulanadi	Justino Sevilla High School
11	Josel G. Sison	Rodolfo V. Feliciano Memorial High School
12	Benalina D. Ocampo	Tinajero National High School - Main
13	Jefferson D. Ramos	Tinajero HS-Annex
14	Maritess L. Sta Romana	San Juan Bano High School
15	Sarah Mae O. Cermino	ASSET
16	Geraldine R. Cruz	Porac Model Community High School
17	Kathrine C. Flores	Becuran High School
18	Eileen S. Cruz	Betis High School
19	Robviehn M. Canlas	Camias High School
20	Glenn Y. Sigua	Eastern Porac NHS
21	Nerissa G. Guintu	Guillermo D. Mendoza High School
22	Benjo S. Mangalindan	Malusac High School
23	Miriam C. Velasco	Natividad High School
24	Carlen B. Roque	Pulung Santol National Highschool
25	Lolita G. Ocampo	San Basilio High School
26	Genesis 2 J. Cortez	Sebitanan IS
27	Maria Elsa T. Sunga	Sto.Tomas NHS
28	Eric Marck S. Fabian	Villa Maria Integrated School
29	Amparo S. Kabling	Planas High School
30	Sarah O. Reyes	Pulung Masle High School
31	Merielle A. Rivera	Porac National High School
32	Liezl C. Erolin	Sapang Uwak High School
33	Johayma R. Fernandez	San Antonio IS
34	Josephine R. Bansil	Batang II Integrated School
35	William C. Manalansan	Bancal Pugad IS
36	Jolina V. Susi	Baruya High School
37	Shiela May C. Pangan	Basa Air Base High School
38	Sharon D. De Belen	Del Carmen High School
39	Leslie L. Yambao	Diosdado Macapagal Memorial High School
40	Jan Mark S. Manalansan	Floridablanca National Agricultural School
41	Leticia S. Molina	Gutad High School
42	Alvin V. Reyes	Lubao NHS
43	Hazel B. Dimla	Paguiruan High School
44	Grace M. Santos	Pasay City North High School
45	Rachelle A. Almiron	Prado Siongco High School
46	Nica C Lampa	Remedios National High School
47	Stephanie M. Vitug	San Jose Gumi Integrated School
48	Sonia D. Gozun	San Jose High School
49	Divina L. Copino	San Pablo 2nd NHS



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50	Abigail M. Mendoza	Santiago NHS
51	Pamela A. Cruz	San Roque Arbol High School
52	Kristine V. Flores	San Roque Dau NHS
53	Emilyn B. Binuya	San Vicente NHS
54	Fernando L. Salazar Jr.	Sta. Cruz NHS
55	Jaymil R. Bautista	Sta. Teresa 2nd High School
56	Cheskalyn P. Carpio	Nabuclod High School
57	Eliza P. Quinit	Wenceslao VHS
58	Rollyn A. Flores	Valdez High School
59	Jemmalyn C. Salita	Tinajero IS
60	Ana V. Macapagal	Bacolor IS
61	Nova Angelie C. Santos	Bacolor High School
62	Michael M. Flores	Don Antonio Lee Chi Uan Integrated School
63	Pamela Joy G. Apostol	Diosdado Mac. Mexico
64	Richelle C. Salac	Don Jesus Gonzales High School
65	Dianet P. Pineda	Gerry H. Rodriguez High School
66	Michael P. Beltran	Malino NHS
67	Rebecca S. Vino	Mexico NHS
68	Myra M. Tiqui	Nicanor David Vergara High School
69	Karen F. Dimabuyu	Potrero National High School
70	Jay Mark S. Chipe	San Antonio IS - Bacolor
71	Marygrace C. Cagungun	San Isidro High School (Bacolor)
72	Caitlin Joy Miranda	San Isidro High School (Sta Ana)
73	Amy J. Canda	San Juan High School (Mexico)
74	Gabriel D. Concepcion	Sta. Ana NHS
75	Ariane C. Punzal	Sta Ana CHS
76	Vincent Jearlvyn D. Miranda	SV Pilot School for Phil Craftsmen
77	Mary Grace P. Sicat	Telesforo & Natividad Alfonso High School
78	Florence B. Ceballos	Cawayan Integrated School
79	Judith S. Gatbonton	Bahay Pare NHS
80	Mary Mae T. Nolasco	Emigdio A. Bondoc High School
81	Jerahmeel Faith L. Alabado	Gulap NHS
82	Kenneth L. Guevarra	Lanang High School
83	Ramil L Nicdao	Mandili High School
84	Ria B. Pangan	Mangga High School
85	Nancy C. Sagum	Mapaniqui High School
86	Ma. Cristina P. Mananghaya	Paralaya High School
87	Richelle L. Sombillo	Pasig NHS
88	Angelica T. Arceo	Pulong Gubat High School
89	Jeffrey L. Ramos	Salapungan NHS
90	Joamy S. Catacutan	San Carlos San Luis NHS
91	John Reimar S. Peña	San Isidro NHS (San Luis)
92	Jordan Kenneth R. San Mateo	San Jose IS (San Luis)
93	Maricel G. Palo	San Juan NHS (San Luis)
94	Mylene S. Reyes	San Luis NHS



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95	Jenylyn B. Mandap	San Nicolas IS
96	Eden C. Dimacali	Sta Catalina High School
97	Christine Joy B. Buhat	Tagulod High School
98	Janine G. De Jesus	Talang High School
99	Shaira D. Hipolito	Vizal San Pablo NHS
100	Judy Ann A. Manansala	Apalit High School
101	Dominic L. Catap	BAGTECH
102	Maricel R. Santos	Balucuc High School
103	Lianne R. Datu	Bulac High School
104	Marlyn Q. Manuel	Calantipe High school
105	Evriline M. Simbulan	Cansinala High School
106	Ruth F. Yambao	Concepcion IS
107	May-Rose M. Ganancial	Anita G. Flores National High School
108	Sarah Jane B. Pineda	Dela Paz - Libutad High School
109	Pearly T. Gutierrez	Pedrita National High School
110	Rowena L. Garcia	Sampaga High School
111	Engelbert C. Laxina	San Matias High School
112	Raquel S. Gamboa	San Pedro NHS
113	Eva M. Hernandez	San Simon High School
114	Girlie P. Nunag	Sta. Maria High School –Minalin
115	Rea D. Manese	Sta. Monica High School
116	Zaldy R. Mendoza Jr.	Sto. Rosario High School-Minalin
117	Jessica C. Zapata	Sto. Tomas NHS
118	Renyn Q. Tolentino	Sucad High School
119	Denjie M. Margrimbao	Sto Rosario High School - Apalit
120	Timothy James L. Mercado	Caduang Tete High School
121	Liezel R. Paras	Consuelo High School
122	John S. Jimenez	Dalayap High School
123	Vallerie G. Lebaste	Masantol High School
124	Jolita L. Banting	Macabebe High School
125	Paul John L. Canilao	Malauli High School
126	Camille G. Tolentino	San Esteban High School
127	Shernie Thellen P. Lopez	Sapang Kawayan High School
128	Annie L. Pineda	Sta Maria High School - Macabebe
129	Jerome Y. Canarias	San Vicente -San Francisco High School
130	Ma. Victoria T. Sonza	Tarik Suliman High School
131	Janelle M. De Leon	Telacsan High School
132	Judy Ann B. Hernandez	Sitio Mindanao IS
SENIOR HIGH SCHOOL MATHEMATICS CLUSTER COORDINATORS		
NO.	NAME	STATION/SCHOOL
1	Rosalie D. Ocampo	Justino Sevilla High School
2	Charlene A. Zeng	Porac Model Community High School
3	Noemi D. Gigante	San Roque Dau High School
4	Ma. Corazon A. Celso	Potrero National High School
5	Kaycee N. Candelaria	San Luis National High School



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6	Lois Joy F. Reyes	SHS in Apalit (Stand Alone 1)
7	Christina P. Santos	San Vicente San Francisco High School
TECHNICAL WORKING GROUP		
NO.	NAME	STATION/SCHOOL
1	Renmel Joseph Purisima	Betis National High School
2	Fernando F. Dosono Jr	Lubao NHS
3	Garry L. Pangan	SDO Pampanga



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Enclosure No. 2 to Division Memorandum No. ___, s. 2025

**DIVISION TRAINING ON INSTRUMENTATION AND IMPROVISATION
 IN MATHEMATICS TEACHING AND LEARNING**
 May 26-28, 2025

TRAINING MATRIX

Day	Time	Topic	Person-in-Charge
Day 1 May 26, 2025	7:00-8:00	Registration	TWG
	8:00-8:30	Opening Program	TWG
	8:30-10:00	The TPACK Framework in Teaching and Learning Mathematics	Garry L. Pangan, PhD Education Program Supervisor
	10:00-10:15	Health Break	
	10:15-12:00	Improvisation and Developing an Improvisational Mindset, and Improvisation and Design Thinking for Mathematics Teaching	Fernando F. Dosono Jr. Head Teacher
	12:00-1:00	Lunch Break	
	1:00-3:00	Workshop 1: Instrumentation and Improvisation in Mathematics	Alvin V. Reyes SST - III
	3:00-3:15	Health Break	
	3:15-5:00	Workshop 1: Instrumentation and Improvisation in Mathematics	Alvin V. Reyes SST - III
Day 2 May 27, 2025	8:00-8:30	Management of Learning	TWG
	8:30-10:00	Workshop 2: Using Instrumentation and Improvisation for Inquiry-Based Lessons	Zaldy R. Mendoza Jr., EdD Master Teacher
	10:00-10:15	Health Break	
	10:15-12:00	Workshop 3: Developing STEM Skills Through Student-Led Improvisation	Charlene A. Zeng Master Teacher
	12:00-1:00	Lunch Break	
	1:00-3:00	Workshop 4: The Use of Instruments and Improved Materials in Assessment	Norman L. Santos, EdD Master Teacher



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	3:00-3:15	<i>Health Break</i>	
	3:15-5:00	Workshop 5: Preparing Lessons Using Instruments and/or Improved Materials	Michael Q. Manansala EST - III
Day 3 May 28, 2025	8:00-8:30	Management of Learning	TWG
	8:30-10:00	Demonstration Teaching	Participants
	10:00-10:15	<i>Health Break</i>	
	10:15-12:00	Demonstration Teaching	Participants
	12:00-1:00	<i>Lunch Break</i>	
	1:00-3:00	Critiquing	Speakers
	3:00-3:15	<i>Health Break</i>	
	3:00-5:00	Ways Forward Closing Program	TWG



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