



Republic of the Philippines
Department of Education
REGION VI – WESTERN VISAYAS
SCHOOLS DIVISION OF AKLAN

September 30, 2025

DIVISION MEMORANDUM

No. **529** s. 2025

**DIVISION CAPABILITY BUILDING ON STRENGTHENING NUMERACY
SKILLS THROUGH MATH MANIPULATIVES FOR
KEY STAGE 1 (ONE) TEACHERS**

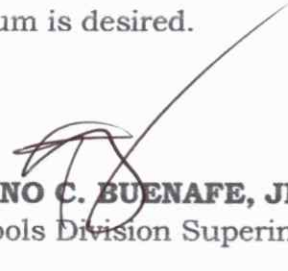
To: Office of the Assistant Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public Schools District Supervisors
Principals In-charge of the District
Head Teachers In-charge of the District
Heads of Elementary, Secondary and Integrated Schools
All Others Concerned

1. Building a strong foundation in numeracy is critical for Key Stage 1 learners, as it sets the stage for higher-order mathematical thinking. Many young learners struggle with abstract math concepts when not provided with sufficient hands-on, concrete learning experiences.
2. To address these gaps, the Division of Aklan through the Curriculum Implementation Division (CID) is conducting a **Division Capability Building On Strengthening Numeracy Skills Through Math Manipulatives For Key Stage 1 (One) Teachers** on **October 7-11, 2025** and the venue is to be announced later. This training focuses on the effective use of math manipulatives. Since teachers already possess their own manipulatives, this training aims to strengthen their capacity to maximize these tools in classroom instruction, ensuring learners progress from concrete to pictorial to abstract understanding (CPA approach). By equipping teachers with strategies and exemplars, the Division seeks to enhance learner engagement, improve numeracy outcomes, and foster inclusive and accessible learning environments.
3. By the end of the training, Key Stage 1 teachers should be able to:
 - a. **Demonstrate effective strategies** in using math manipulatives to teach fundamental numeracy concepts following the CPA approach;



Poblacion, Numancia, Aklan
Tel. No. (036) 265-3744; 265-3737; 265-3738 (Trunkline)
Website: <http://www.depedaklan.org>
Email Address: aklan.1958@deped.gov.ph

- b. **Design contextualized lesson exemplars and activities** using both standard and improvised math manipulatives to address diverse learner needs; and
 - c. **Implement assessment tools and action plans** that measure learner progress in numeracy and sustain manipulative-based instruction at the school level.
4. The participants of this training are the newly hired Key Stage 1 Teachers who were not able to attend ELLN trainings which is found in Inclsore No. 1 of this memorandum.
5. It is understood that in the conduct of this activity, there shall be no discrimination on accounts of age, gender, civil status, disability, religion, or other similar factors/personal circumstances that run counter to the principles of equal opportunity.
6. Travel and meal expenses incurred by the participants relative to the conduct of and participation of this activity are chargeable against school/local funds/MOOE and downloaded fund (RO-6-24-0886) subject to the usual accounting and auditing rules and regulations.
7. Immediate dissemination of the Memorandum is desired.


FELICIANO C. BUENAFE, JR. CESO VI
Schools Division Superintendent

ETB/

Enclosure: 1
Reference: Regional Memorandum No. 026, s. 2025
To be indicated in the Perpetual Index
under the following subjects:

Math Manipulatives

Numeracy

Teachers

Training



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DIVISION CAPABILITY BUILDING-WORKSHOP ON STRENGTHENING NUMERACY SKILLS THROUGH OF MATH MANIPULATIVES FOR KEY STAGE 1 TEACHERS

October 7-11, 2025

PARTICIPANTS

	DISTRICT	NAME OF ELLN COORDINATOR	School	Name of Kindergarten Coordinator	School	Name of Grade 1 Teacher	School	Name of Grade 2 Teacher	School	Name of Grade 3 Teacher	School
1	ALTAVAS	NORMINA M. REFOL	ALTAVAS ES	DIOSA O. FLORES	CATMON IS	ANGELY D. ALEJANDRO	DALIPDIP ES	BREILEEN ROSE F. ANDRADE	LUMAYNAY ES	MA. BERNADETTE P. IDALA	ALTAVAS ES
2	BALETE	MERIAM F. ZAPADOR	BALETE IS	AURORA N. MOBO	FULGENCIO NORTE ES	JEREMIAH MARIE M. FALOG	BANGBANG ES	ROSVIAZ ZONIO	BENITINAN PS	JAMILLE QUILLANO	ARCANGELNORTE PS
3	BANGA	SHENA REYNADO	BANGA ES	JEWELYN R. AURELIO	URQUIOLA MES	KRISTEL JOY V. RELOJ	POLOCATE ES	JERICA D. TIMTIMAN	URQUIOLA MES	JEMELYN A. NAVARRA	POLOCATEES
4	BATAN	EVANGELINE C. PONCE	MANDONG IS	REGINE D. RAPAL	MAGUBAHAY ES	JOHN MARBEN P. DAVID	IPIL IS	CHRISTINE JOY R. FRANCISCO	MAMBUQUIAO IS	AILYN D. BULANAG	TABON IS
5	BURUANGA	MA. MAE JANE M. ABON	BEL-IS ES	MELANIE O. TROPA	BURUANGA ES	YOLLY MAY P. JANOKA	PEPE ES	BONIVI P. DE JUAN	BEL-IS ES	HELEN MAY D. MANREZ	BURUANGA ES
6	IBAJAY EAST	MARIA LIZL MAE C. SEVILLANO	NAISUD CS	MARIA RACHEL M. OSORIO	SAN JOSE ES	MILA MARNELLI S. FRANCO	NAISUD CS	JOVELYN S. MANIKAN	UNAT-BAGACAY ES	LILIBETH L. TEODOSIO	REGADORIS
7	IBAJAY WEST	CHRISTINE C. TAYCO	IBAJAY CS	MARY JEN G. RUZGAL	IBAJAY CS	JANINE M. MASULA	IBAJAY IS	EVELYN C. SALIDO	MABUSAO ES	JESSA U. FERNANDEZ	IBAJAY IS
8	KALIBO 1	SHIELLA R. JAVILLO	ANDAGAW ES	RHODA P. MORAÑA	KALIBO PILOT ES	QUEENIE ANN LORENZO	KALIBO PILOT ES	EFREN HORMILLOSA, JR.	KALIBO PILOT ES	MARIELLA J. VEGA	GEN. F. CASTILLO MS
9	KALIBO 2	JELL TOCONG	KALIBO ES	MENCHIE DOROMAL	KALIBO ES	MA. NEDELIE A. TAAY	TIGAYON ES	JONALYN SARABIA	BOBSES	DIVINA TAMBONG	BOBSES
10	LEZO	REGINE LYKA T. LOPEZ	AGCAWILAN-SILAKAT NONOK ES	JEROLYN A. TABERNILLA	LEZO IS	JANE E. INAUDITO	STA. CRUZ BIGAA E	MESHELLE M. DAPLIN	PRUDENCIO T. YERRC	ROSALIE O. TORRES	ULDARIO R CUSTODIO ES
11	LIBACAO	FEDELYN S. IBARRA	JULITA ES	MAY R. QUIRINO	LIBACAO CENTRAL ES	RITCHELLE V. ONAO	MANIKA ES	JENNEFER LEAH Z. BALINAS	CASIT-AN PS	LYRIE Z. RAMOS	LIBACAO CENTRAL ES
12	MADALAG	JENILLA N. LIMBAÑA	PANINGAYAN ES	RHEA P. INOSANTO	PANINGAYAN ES	MANILYN A. NIEVES	MAMBA ES	JOAN N. NAVARRA	TALANGBAN PS	ELSA A. TEÑOSO	MERCEDES PS
13	MAKATO	ARLENE G. CELEMEN	MAKATO IS	ANN MARIZ D. VILLARIAS	ALIBAGON PS	MYLENE A. MAAYON	COL. D. U TENAZAS	MARY RAZEL T. TOLENTINO	MAKATO IS	AICEL T. POSTORIOSO	BAGONG BARRIO IS
14	MALAY	GEMMA I. BAON	MALAY ES	JOAN G. SARMIENTO	BALABAG ES	Lorrain Salvacion M. Prado	MALAY ES	MARJORIE S. TALLAFER	YAPAK ES	JHOMELYN T. LISAMOS	MANOCMINOC ES
15	MALINAO	JONHBE O. YACUB	ANGELES IBARDOLASA ES	RHEALYN R. BELTRAN	MALINAO ES	ANGELITA REGINO	NAVITAS ES	ROSEBEL Z. REYES	ROSARIO ES	PRINCESS DIANNE I. IRAPTA	SAN RAMON ES
16	NABAS	JAY ANNE S. MORTEL	NAGUSTAN ES	VERONICA P. TEJADA	SOLIDO ES	MANILYN M. MONTOYA	HABANA ES	ROSEFEL P. QUINTO	NABAS ES	ZENI A. SABAY	UNIDOS ES
17	NEW WASHINGTON	MARY ANN G. TAMAYO	JUGAS ES	CECILLE S. RETAMAR	TAMBAK ES	ANNALYN B. ANDRADE	Tomas SM. Bautista	COMBERLY R. SANTUELE	NEW WASH. ES	KATHERINE B. AUTIDA	POLO ES
18	NUMANCIA	MARGIE R. IBUYAN	CAMANCI NORTE ES	JEAN CORRINE G. TUBIERA	BADIO ES	LENY S. PANALIGAN	BUBOG ES	PRINCESS JOY V. TIRAZONA	LAGUINBANUA IS	JOMARIE T. FERNANDEZ	NIS
19	TANGALAN	REA JANE T. TENOSO	TANGALAN ES	LINDA B. SUGANOB	BAYBAY ES	JHOANNA T. TABASON	SERGIO L. TALIGAT	MARICHU T. DAROY	TAMALAGON IS	RIO T. CANDELARIO	TAMALAGON IS

Division Capability Building On Strengthening Numeracy Skills Through Math Manipulatives For Key Stage 1 (One) Teachers

DATE: October 7-11, 2025

VENUE: TBA

TRAINING MATRIX				
DAY	TIME	DURATION	SESSION	RESOURCE SPEAKER/S
Day 1	8:00 – 9:00	1 hr	Registration / Pretest	
	9:00 –10:00	1 hr	Opening Program & Orientation	
	10:00 – 10:15	15 mins	Health Break	
	10:15- 11:15	1 hr	Session 1: Importance of Manipulatives in Numeracy	Dr. Marife J. Matorres SP III – Tinigaw ES/ District of Kalibo 2
	11:15 – 12:00	45 min	Session 2: Familiarization with Available Manipulatives	Dr. Joyce M. Toriaga PSDS/ District of Numancia
	12:00 -1:00	1 hr	Lunch Break	
	1:00 – 2:00	1 hr	Session 3: Number Concepts & Operations (Counting, Place Value) (Popsicle sticks, base-ten blocks, place value boards)	Gie C. Magdaluyo HT II - Albasan ES/ District of Numancia Margie R. Ibuyan SP I - Camanci ES/ District of Numancia
	2:00 – 3:30	1 hr 30 min	Session 3.1: Number Concepts & Operations Addition & Subtraction Strategies (Popsicle Sticks, Base-Ten Blocks, Place Value Whiteboard)	Mary Jo P. Castro SP I – Polo ES/District of New Washington
	3:30 – 3:45	15 mins	Health Break	
	3:45 –4:45	1hr	Demonstration Teaching	
	4:45 – 5:00	30m	End of the day evaluation / reminders	
	8:00- 8:30	30	Management of Learning	

Day 2	8:30 – 10:00	1 hr 30m	Session 4: Differentiated Activities for Remediation	Wilma N. Castro Principal II – Madalag ES/ District of Madalag
	10:00 – 10:15	15m	Health Break	
	10:15 – 12:00	1h 45m	Session 5: Using Play Money for Financial Literacy (Play money)	Arfe E. Lachica HT I – Don Edecio S. Venturanza IS/ District of Banga
	12:00 1:00	1h	Lunch Break	
	1:00-2:45	1 hr 45 mins	Session 6: Exploring Shapes, Perimeter & Area (Geoboards)	Bryan Ray S. Solano MT II – Nabaoy ES/District of Malay
	2:45 – 3:00	15m	Health break	
	3:00– 4:45	1 hr 45 m	Demonstration Teaching	
	4:45– 5:00	30 m	End of the day evaluation / reminders	
Day 3	8:00- 8:30	30	Management Of Learning	
	8:30 – 9:30	1 hr	Session 8: Measurement & Number Patterns (Number tiles)	Rosa R. Sualog PID – District of Buruanga
	9:30 – 9:45	15m	Health Break	
	9:45 – 11:45	2 hrs	Session 9: Measurement & Number Patterns (popsicle sticks)	Rowena L. Birol HTID – District of Balete
	11:45 – 12:00		Health Break	
	12:00 1:00	1h	Lunch Break	
	1:00-2:45	1 hr 45 mins	Session 10: Fractions, Measurement, and Patterns (Using fraction tiles)	Dr. Rita Hilda T. Feliciano SP II – San Roque IS/Dsitric of Malinao
	2:45 – 3:00	15m	Health Break	
	3:00– 4:15	1 hr 15 m	Demonstration Teaching	

	4:15 – 4:45	30 min	Reflection & Synthesis	
	4:45– 5:00	30 m	End of the day evaluation / reminders	
Day 4	8:00- 8:30	30	Management Of Learning	
	8:30 – 10:30	2 hrs	Session 11.1: Fractions, Measurement, and Patterns (Using rulers and pattern blocks)	Febian J. Zorolla Principal – Batan ES/District of Batan
	1030 – 10:45	15m	Health Break	
	10:45 – 12:00	1h 15m	Session 11.2: Fractions in Word Problems (Fraction manipulatives)	Bryan Ray S. Solano MT II – Nabaoy ES/District of Malay
	12:00 1:00	1h	Lunch Break	
	1:00-2:45	1 hr 45 mins	Session 12: Word Problems and Problem-Solving Strategies (Real-life applications of manipulatives)	Dr. Abe Joy S. Isaran SP II – Kalibo ES/ District of Kalibo 2
	2:45 – 3:00	15m	Health Break	
	3:00– 4:45	1 hr 45 m	Workshop Output 3: Draft lesson plans for numeracy instruction utilizing math manipulatives.	Dr. Sharon R. Gungon MT III – New Washington ES / District of New Washington
	4:45– 5:00	30 m	End of the day evaluation / reminders	
Day 5	8:00- 8:30	30	Management Of Learning	
	8:30 – 10:30	2 hrs	Session 13: Assessment Approaches Using Manipulatives	Wilma N. Castro Principal II – Madalag ES PID – District of Madalag
	1030 – 10:45	15m	Health Break	
	10:45 – 12:00	1h 15m	Session 14: Action Planning for School Implementation	Dr. Apolonio Payba PSDS – District of Altavas Normina N. Refol MT II – Altavas ES/Ditriect of Altavas

	12:00-1:00	1h	Lunch Break	
	1:00-3:00	2 hours	Presentation of Group Outputs	
	3:00 – 3:15	15m	Health Break	
	3:15- 5:00	1 hr 45 min	Closing Program & Awarding of Certificates	