Republic of the Philippines
Department of Education
REGION III – CENTRAL LUZON
SCHOOLS DIVISION OFFICE - SCIENCE CITY OF MUÑOZ

June 8, 2020

DIVISION MEMORANDUM
No. 113, s. 2020

To: Asst. Schools Division Superintendent
Chief Education Supervisors
Education Program Supervisors
Public Elementary, Integrated and Secondary School Heads
All others Concerned

Quality Assurance of Self-Learning Kits (SLKs) and Modules and Development of Weekly Learning Activity Sheets and Summative Assessments for Math Quarter 1 & 2 Most Essential Learning Competencies

1. As preparation for the remote teaching and learning delivery models that will be implemented for SY 2020-2021, core groups of mathematics teachers per grade level have been formed in the division.
2. The core groups of mathematics teachers are tasked to:
   a. conduct inventory and downloading of available supplementary learning resources (SLRs) from DepEd LR Portal and DepEd Commons and Division Quality Assured SLKs;
   b. identify the most essential learning competencies (MELCs) without available SLRs; and
   c. develop self-learning kits (SLKs) , modules and weekly learning activity sheets and summative assessments for mathematics.
3. Developed SLRs shall undergo quality assurance (content and language) using the standard quality assurance tools to ensure quality of the LRs by selected mathematics and language experts (Education Program Supervisors, School Heads, Head teachers, Master Teachers and other specialists).
4. Meanwhile, weekly learning activity sheets shall be prepared by teachers starting June 1, as indicated in DepEd Memorandum dated May 6, 2020. To ensure complete set of learning activity sheets and summative assessments per week, MELCs shall be distributed to public schools within the division.
5. Attached to this Memorandum are the following:
   Enclosure 1: List of evaluators and schedule of Quality Assurance

Enclosure 2: MELCs Assignment of Public Schools for the Development of Weekly Learning Activity Sheets and Summative Assessments

6. Immediate and wide dissemination of this Memorandum is desired.

DANTE G. PARUNGAO, CESO VI
Officer-in-Charge
Office of the Schools Division Superintendent

Enclosure 2:

MELCs Assignment of Public Schools for the Development
of Math Weekly Learning Activity Sheets and Summative Assessments
(Digital/Digitized)

ELEMENTARY LEVEL / QUARTER 1							
MELCs Week No. (Refer to DepEd list of Math MELCs to determine the corresponding MELCs/ Week)	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6	Sched. Of Devt.
1	DepEd – CLSU	DepEd – CLSU	DepEd – CLSU	DepEd – CLSU	Magtanggol IS	Mapangpang	June 15 - 29
2	Munoz CS	Munoz CS	Munoz CS	Munoz CS	Munoz CS	Munoz CS	
3	Munoz CS	Munoz CS	Munoz CS	Calabalabaan	Bagong Sikat	Calabalabaan	
4	Maragol IS	Maragol IS	RVA ES	Villa Isla	Bical	Catalanacan	
5	Maligaya	Linglingay	Linglingay	SAIS	Balante	Balante	
6	Catalanacan	Mangandingay	Magtanggol IS	Rangayan	Gabaldon	Maligaya	
7	Munoz North CS	Munoz North	Bagong Sikat	Munoz North CS	Licaong	Cabisuculan	
8	SAIS	San Andres	Bical	Mangandingay	San Andres	Curva	
9	Sapang Cauayan	Rizal	Curva	Linglingay	Rizal	Gabaldon	
QUARTER 2							
1	Palusapis	Mapangpang	Palusapis	RVA ES	Sapang Cauayan	Calisitan	June 15 - 29
2	Villa Cuizon	San Felipe	Villa Cuizon	San Felipe	Villa Nati	Rangayan	
3	Cabisuculan	Bantug	Franza	Calisitan	Bantug	Franza	
4	Villa Isla	Villa Nati	Licaong	Gabaldon IS	Gabaldon IS	SAIS	

JUNIOR HIGH SCHOOL / Q1					
MELCs Week No. (Refer to DepEd list of Math MELCs to determine the corresponding MELCs/ Week)	Grade 7	Grade 8	Grade 9	Grade 10	Sched. Of Devt.
1	MNHS-Main	MNHS-Main	MNHS-Main	MNHS-Main	June 15 - 29
2	MNHS-Main	MNHS-Main	MNHS-Main	MNHS-Main	
3	MNHS-Annex	MNHS-Annex	MNHS-Annex	MNHS-Annex	
4	MNHS-Annex	MNHS-Annex	MNHS-Annex	MNHS-Annex	
5	SAIS	SAIS	MNHS-Main	SAIS	
6	Palusapis IS	Palusapis IS	MNHS-Annex	MNHS-Annex	
7	Magtanggol IS	Magtanggol IS	MNHS-Main	MNHS-Main	

8	Maragol IS	MNHS-Main	Maragol IS	MNHS-Main	
9	Gabaldon IS	MNHS-Main	Gabaldon IS	Gabaldon IS	

SENIOR HIGH SCHOOL / Q1					
MELCs Week No. (Refer to DepEd list of Math MELCs to determine the corresponding MELCs/ Week)	**GEN. MATH**	**STAT & PROBA.**	**PRE-CALCULUS**	**BUS. MATH**	**Sched. Of Devt.**
1	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	June 15 - 29
2	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	
3	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	MNHS-MAIN	
4	MNHS-ANNEX	MNHS-ANNEX	MNHS-MAIN	MNHS-MAIN	
5	MNHS-ANNEX	MNHS-ANNEX	MNHS-MAIN	MNHS-MAIN	
6	MNHS-ANNEX	MNHS-ANNEX	MNHS-MAIN	MNHS-MAIN	
7	MNHS-ANNEX	MNHS-ANNEX	MNHS-MAIN	MNHS-ANNEX	
8	PALUSAPIS	PALUSAPIS	MNHS-MAIN	MNHS-ANNEX	
9	SAIS	SAIS	MNHS-MAIN	MNHS-ANNEX	

Enclosure 1.

List of Evaluators and Schedule of Content & Language Evaluation

Date	Grade Level	SLKs/ Modules	Writers	(Evaluators)	
				Content	Language
June 8- 15	G1	Reading and Writing Numbers in Symbols and in Words from 1 to 20; 21 to 40; 41 to 60; 61 to 80 ; and 81 to 100	Teresita Ventura (San Felipe ES)	WWPOLI EPS-Math	Gilda S. Panuyas HT III, MNHS-Main Sheila M. Angel MT, MNHS-Main Karren Joy Domingo T-III, MNHS Main August A. Mateo EPS-Filipino
		Identifying the 1st, 2nd, 3rd up to 10th object in a given set from a given point of reference	Elvie G. Corpuz (Deped – CLSU)		
		Visualizing , representing and ordering numbers up to 100 in increasing or decreasing order.	Lorelyn Gongon Balante ES		
		Identifying the number that is one more or one less from a given number	Elaine Ventura (Mapangpang ES)		
June 8- 15	G2	Visualizing and representing numbers from 0-1000 with emphasis on numbers 101-1000 using variety of materials; Comparing numbers using relation symbols and orders number up to 1000 in increasing or decreasing order; adding mentally using appropriate strategies: 1- to 2-digit numbers with sums up to 50; and 3- digit numbers and 1-digit numbers	Hederlyn Ferrer (Mangandingay ES)	Rosemarie Busania (MT, Maligaya ES) WWPOLI EPS-Math	
		gives the place value and finds the value of a digit in three-digit numbers; counts the value of a set of bills or a set of coins through PhP100(peso-coins only; centavo-coin only; peso-bills only and combined peso-coins and peso-bills); and compares values of different denominations of coins and paper bills through PhP100 using relation symbols	Grace Belmonte Villa Isla ES		
		reads and writes numbers up to 1000 in symbol & words; visualizes, represents, and adds the following numbers with sums upto 1000 without and with regrouping: 2-digit by 3-digit numbers; adds mentally the following numbers using appropriate strategies: 3-digit numbers and hundreds (multiples of 100 up to 900)	Gladys D. De Guzman Deped-CLSU		
		visualizes and writes three-digit numbers in expanded form; visualizes, represents, and adds the following numbers with sums up to 1000 without and with regrouping: 3-digit by 3-digit numbers	Myra Joyce D. Ortiz Munoz CS		
		Visualizes and counts numbers by 10s, 50s and 100s; illustrates the properties of addition (commutative, associative, identity)and applies each in appropriate and relevant situations; and adds mentally the following numbers using appropriate strategies : three-digit numbers and tens (multiples of 10 up to 90)	Rosemarie C. Busania Maligaya ES		
June 8-15	Grade 3	Orders 4-5 digit numbers in increasing or decreasing order	Leilani Del Rosario Munoz CS	WWPOLI EPS-Math	
		Compares values of the different denominations of coins and bills through P1000 using relation symbols	Mika Gomez Munoz CS		
		Adds mentally 2-to-3 digit numbers with multiples of hundreds usng appropriate strategies	Donabelle Galutan Villa Nati ES		
		Adds mentally 2 digit and 1-digit numbers without or with regrouping using appropriate strategies	Geronima Pascual Calabalabaan ES		
June 8-15	Grade 4	Gives the place value and value of a digit numbers up to 100 000	Julieta Garcillan Munoz CS	Agnes Bengano	Melanie Aquino

		Multiplying Mentally 2-Digit by 1-to-3 Digit Numbers with Products up to 200	Jennifer Pacis Balante ES	MT, Calabalabaan ES WWPOLI EPS-Math	OIC SH, Catalanacan ES Nehemia L. Ganiban EPS-English
		Performing a Series of Two or More Operations	Jocelyn Ramos Bical ES		
		Divides mentally 2-to 4-digit numbers by tens or hundreds or by 1000 without and with remainder	Myla B. Cortez Cabisuculan ES		
		Solving Multistep Routine and Non-routine Word problems Involving Multiplication and Addition or Subtraction	Marie Jean Llamazares Franza ES		
		Solves multi-step routine and non-routine problem involving Division and any of the other operations of whole numbers including money using appropriate problem solving strategies and tools	Maribel Peralta San Antonio ES		
		Reads and writes numbers, in symbols and in words, up to hundred thousand and compare them using relation symbols	Evelyn F. Abelardo Sapang Cauayan ES		
		Solves routine and non-routine problems involving division of 3-to 4-digit numbers by 1 - to w-digit numbers including money using appropriate problem solving strategies and tools	Shiela Ann Rivera RVA ES		
June 8 - 15	Grade 5	Multiplying a Fraction by its Reciprocal	Marietta Reyes Rangayan ES	Helen Alvaran MT, Munoz CS WWPOLI EPS-Math	
		Solving word problems involving factors, multiples and divisibility rule	Jessa Natividad Maligaya ES		
June 8 - 15	Grade 6	Solves multi-step problems involving multiplication and addition or subtraction of decimals, mixed decimals and whole numbers including money using appropriate problem-solving strategies and tools.	James Patrick Barias Pandalla ES	WWPOLI EPS-Math	Marichelle Merculio P-III, DepEd-CLSU Nehemia L. Ganiban EPS-English
		Divides decimals: a. Up to 4 decimal places by 0.1, 0.01 and 0.001; b. Up to 2 decimal places by 10, 100 and 1000 mentally.	Imelda F. Mata Bantug ES		
		Solves multi-step routine and non-routine problems involving division and any of the other operations of decimals, mixed decimals, and whole numbers including money using appropriate problem-solving strategies and tools.	Xerces Aliño Deped-CLSU		
		Solves routine and non-routine problems involving multiplication of decimals and mixed decimals including money using appropriate problem-solving strategies.	Sheryl Ann Cinense Licaong ES		
		Divides simple fractions and mixed fractions.	Daisy Cantor San Antonio ES		
		Solves routine and non-routine problems involving division without and with any of the other operations of fractions using appropriate problem-solving strategies and tools.	May Batungbakal Munoz North CS		
June 8 – 15	Grade 7	represents real-life situations which involve real numbers.	Jeromie Flores MNHS-MAIN	Jordan T. Nicodemus Principal I, RVA ES WWPoli EPS-Math	Emy Gaboy OIC HT, English Dept. MNHS-Main Nehemia L. Ganiban EPS-English
		Irrational Numbers on the Number Line	Magnolia Fronda MNHS-MAIN		
		estimates the square root of a whole number to the nearest hundredth.	Shane Erjas MNHS-Annex		
		Determining the square roots of a number	Elsa Enriquez MNHS-Annex		
		Principal Roots and Irrational Numbers	Mishal Diaz		

			Magtanggol IS		
		Operations on Rational Numbers	Claudia Barias Gabaldon IS		
June 8 – 15	Grade 8	Solve problems involving system of linear equations by graphing; by Substitution, and by Elimination	Christine Cruz MNHS-MAIN	Pedro J. De Guzman HT - III, MNHS-Main WWPoli EPS-Math	OIC HT, English Dept. MNHS-Main Nehemia L. Ganiban EPS-English
		Solves problems involving factors of polynomials. ; Illustrates rational algebraic expression.	Sybelle Clyde Fronda MNHS-MAIN		
		Rewriting linear equation ax+by=c to y=mx+b; Graph of linear equation.	Leny Cantor MNHS-MAIN		
		Describing the graph of linear equation; Equation of a line; Solving problems involving linear equation.	Rafael Natividad MNHS-MAIN		
		Finding the slope of the line given two points.	Samson Salibay MNHS-MAIN		
		Simplifies Rational algebraic expressions; Performs operation on Rational Algebraic Expression; Solves problems involving Rational Algebraic Expression.	Dormabel T. Castillones San Antonio IS		
		Illustrating and graphing systems of linear equations in two variables; Categorizing when a given system of linear equations in two variables has graphs that are paralle, intersecting, and coinciding.	Marisol C. Pascua MNHS-Annex		
June 8 - 15	Grade 9	Modeling Real-life Situations Using Quadratic Functions	Leilani Tidalgo MNHS-MAIN	Leilani Tidalgo MT, MNHS-Main Sally Feria HT I, San Antonio IS WWPoli EPS-Math	OIC HT, English Dept. MNHS-Main Nehemia L. Ganiban EPS-English
		Relationships of the Coefficients of the roots of Quadratic Equations (Sum and Products of the Roots)	Alpha Merryl Tadatada MNHS-MAIN		
		Solving Quadratic Inequalities	Jun Francis Santiago MNHS-MAIN		
		Quadratic Inequalities	Jocelyn Nicodemus MNHS-MAIN		
		Equations Transformable to Quadratic Equations (Including Rational Algebraic Equations)	Jocelyn Iñigo MNHS-MAIN		
June 8 - 15	Grade 10	Factoring Polynomials; Finding the Roots of Polynomial Equations; Solving Problems Involving Polynomials;	Patrick Harold Tadatada MNHS-MAIN	Roberto Abril MT, MNHS-Main Catalino Santiago MT, MNHS-Main WWPoli EPS-Math	OIC HT, English Dept. MNHS-Main Nehemia L. Ganiban EPS-English
		Generating Patterns Geometric Sequence Nth term of Geometric Sequence; Geometric Mean Finding Quotients of Polynomials Using Long Division; Synthetic Division; Rational Root Theorem, Remainder and Factor Theorem; Illustrate an Arithmetic Sequence; Sum of Finite and Infinite GS;	Floyd Florblanco MNHS-MAIN Jackielou Nery San Antonio IS Alberto Papalis MNHS-MAIN		
		Determining the nth term of an arithmetic sequence	Francisco Pelagio MNHS-Annex		
June 8-15	SHS	Solves problems involving inverse functions.; Solves problems involving exponential functions, equations and inequalities.; Solves problems involving logarithmic functions, equations, and inequalities.	Cynthia Monserate MNHS-Main	Richard Carurucan SHS Teacher Kathlyn Maniusuc SHS Teacher	OIC HT, English Dept. MNHS-Main Nehemia L. Ganiban
		Represents real-life situations using logarithmic functions.; Distinguishes logarithmic function, logarithmic equation, and logarithmic inequality.; Solves logarithmic equations and inequalities.	Richard Carurucan MNHS-Main		

		Represents a logarithmic function through its: (a) table of values, (b) graph, and (c) equation.; Finds the domain and range of a logarithmic function.; Determines the intercepts, zeroes, and asymptotes of logarithmic functions.	Jereme Pangan MNHS-Main	Cynthia Monserate MT, MNHS-Main WWPoli EPS-Math	EPS-English
		Represents real-life situations using exponential functions.; Distinguishes between exponential function, exponential equation, and exponential inequality.; Solves exponential equations and inequalities.	Jay-Are Libed SAIS		
		Determines the: (a) intercepts; (b) zeroes; and (c) asymptotes of rational functions.; Solves problems involving rational functions, equations, and inequalities.; Represents real-life situations using one-to one functions.	John Paul Gonzales MNHS-Annex		
		Solves rational equations and inequalities.; Represents a rational function through its: (a) table of values, (b) graph, and (c) equation. ; Finds the domain and range of a rational function.	Richard Rosete MNHS-Annex		
		Represents real-life situations using functions, including piece-wise function.; Evaluates function.; Performs addition, subtraction, multiplication, division and composition of functions	Marife Dumlao Palusapis		
		Determines the inverse of a one-to-one function.; Represents an inverse function through its: (a) table of values, and (b) graph.; Finds the domain and range of an inverse function.	Cherry Mae Badua MNHS-Main		
		Represents an exponential function through its: (a) table of values, (b) graph, and (c) equation.; Finds the domain and range of an exponential function.; Determines the intercepts, zeroes, and asymptotes of an exponential function.	Kathleen Manlusuc MNHS-Main		
		Solves problems involving functions.; Represents real-life situations using rational functions.; Distinguishes rational function, rational equation, and rational inequality.	Benjamin Mateo Palusapis		