



Republic of the Philippines
Department of Education
CARAGA REGION



March 26, 2021

REGIONAL MEMORANDUM

No. 193, s. 2021

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

DEVELOPMENT AND QUALITY ASSURANCE OF QUARTER 4
UNIFIED LEARNING ACTIVITY SHEETS IN SCIENCE

- To continuously operationalize the flexible learning delivery by supplementing the Self-learning Modules (SLMs) with quality assured Learning Activity Sheets (LAS), all Schools Division Offices are directed to develop and participate in region-led quality assurance of Unified Learning Activity Sheets (ULAS) in Science, Quarter 4.
- The following SDOs are tasked to develop ULAS in their assigned Science subjects:

Schools Division Offices	Assigned Science Subjects
Agusan del Norte	Gen. Biology 2 and Gen. Chemistry 2
Agusan del Sur	Science 10
Bayugan City	Science 6 and Science 1 (for SSES)
Bislig City	Science 4 and Science 1 (for SSES)
Butuan City	Science 9
Cabadbaran City	Science 7
Dinagat Islands	Science 3 (Sinugbuanong Binisaya)
Siargao	Science 3 (Surigaonon)
Surigao City	Science 2 (for SSES)
Surigao del Norte	Science 8
Surigao del Sur	Gen. Physics 2 and Gen. Chemistry 2
Tandag City	Science 5

- The quality assurance of ULAS shall be in two phases—In-house QA, and Regional QA. These QA activities shall be participated by all Science writers and validators found in the Enclosure.
- There shall be four (4) composite Regional QA Teams (see table below). Each team shall assign validators from their SDOs to validate specific ULASs through online platform.

Team 1	Team 2	Team 3	Team 4
Science 1 to 3	Science 4 to 6	JHS Science	SHS Science
Juvy Luna Nonita Patalinghug Marilytte Ensomo	Jonivil Vidal Arlene Abala Renee Ebol Jean Ramirez	Edna Trinidad Jane Basul Gersim Lumintac	Kevin Hope Salvaña Relyn Raza Abraham Masendo



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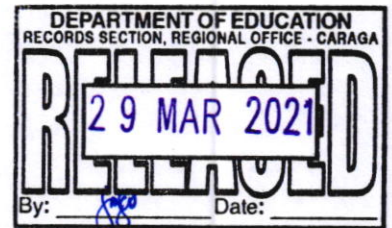


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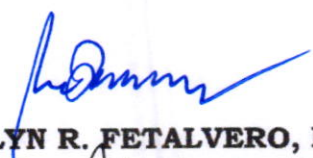
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5. The timeline below shall be observed by all EPSes, writers, and validators:
March 29 to April 8, 2021 - development and In-house QA of ULAS
April 9, 2021 - submission of ULAS to online repository at
<http://bit.ly/ScienceQ2LASmaterials>
April 12 to 23, 2021 - Regional QA of ULAS
6. Writers and validators shall use the LAS format found in Regional Memorandum No. 461, s. 2020 (Development of Weekly Learning Activity Sheets for Quarter 2). An additional Copyright Page found in the Enclosure shall also be included as Page 1 of the ULAS.
7. Widest dissemination of this Memorandum is highly enjoined.


EVELYN R. FETALVERO, PhD, CESO IV
Director IV 

Encls.: As stated.

Reference: RM 461, s. 2020

To be indicated in the Perpetual Index
under the following subjects:
LEARNING ACTIVITY SHEETS

QUARTER 4

SCIENCE

CLM/khzs
03/26/2021

ENCLOSURE to Regional Memorandum No. 193, s. 2021

WRITERS AND VALIDATORS OF UNIFIED LEARNING ACTIVITY SHEETS

AGUSAN DEL NORTE (Gen. Biology 2 and Gen. Chemistry 2)

Writers	School
1 Emely M. Tragua	Kitcharao NHS
2 Charlyn M. Campado	Kitcharao NHS
3 Jay N. Bernat	Agay NHS
4 Rosemalyn Pahamtang	Carmen NHS
5 Christy Marie N. Comedoy	Agay NHS
6 Jinky N. Oraiz	NNVS
7 Pejie Amm S. Cornites	Buenavista NHS
8 Mendelsshon L. Ajesta II	Carmen NHS
9 Jessica c. Abiva	NNVS
10 Ellen M. Ferrer	Jabonga NHS
11 Joel Conrad A. Cuenca	Jagupit NHS
12 Marjorie C. Bermudez	Kitcharao NHS
13 Glenn Mark P. Jalop	Santiago NHS
14 Eociline Canonigo	Cahayagan NHS
15 Ma. Indianan Ebarle	Buenavista SPED HS

Validators	School
1 Emely M. Tragua	Kitcharao NHS
2 Jesusa C. Olayon	Magallanes NHS
3 Lilibeth S. Apat	Division office
4 Jane C. Basul	Division Office
5 Jay N. Bernat	Agay NHS
6 Edgardo B. Tupas	Nasipit NHS Annex
7 Delia Alcantara	Tubay NHS
8 Sherjune C. Canete	
9 Jinky N. Oraiz	NNVS
10 Wilfred Vicente	Nasipit NHS Annex
11 Haidee C. Diola	Las Nieves NHS
12 Glenn Marc P. Jalop	Santiago NHS
13 Jessica C. Abiva	NNVS
14 Corinne Frances B. Bayhon	NNVS
15 Joel Conrad Cuenca	Jagupit NHS
16 Marcelina C. Ranin	Santiago NHS

AGUSAN DEL SUR (Science 10)

Writers	School
1 Jupiter Ruta	Corpuz NHS
2 Joy Mark Dagasaan	San Luis NHS
3 Nancy Albaciete	Trento NHS
4 Diane Otero	La Fortuna NHS
5 Milagrosa Castillo	La Paz NHS
6 Francis Rex Dequia	Libertad NHS

7	Romeo Villarin	Bunawan NHS
8	Krisnadel Pamplona	Los Arcos NHS
9	Arnel Tantoy	San Luis NHS

	Validators	School
1	Leonora Rafal	Del Monte NHS
2	Mary Grace Valencia	San Vicente NHS
3	Irish Concha	Los Arcos NHS
4	Cherilou LabticÃ	Catmonon NHS
5	Peter Paul Nacua	Trento NHS
6	Christina Tadle	Bayugan III NHS
7	Jane Calumbay	Los Arcos NHS
8	Mark Joseph Ariola	Azpetia NHS

BAYUGAN CITY (Science 1 and Science 6)

	Writers	School
1	Alminda F.Baguio	Sto.Nino ES
2	Janice C.Bolanio	Claro Cortez ES
3	Bonifacia Elona	Sagmone ES
4	Annaliza C.Campos	Mabuhay ES
5	Doreen B.Saligumba	Calaitan ES
6	Marilou G.Salas	Bayugan Central SPED Center
7	Krisna Uyanib	Verdu ES
8	Joprey Alinghawa	ADSPILS
9	Lolita P.Galope	ADSPILS
10	Pearl Joy A.Martinez	ADSPILS
11	Jane Marie Dalis	Bayugan Central SPED Center

	Validators	School
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2	Flordeliz A.Maglasang	East Bayugan CES
3	Marivic E.Mahinay	ADSPILS
4	Annalee M.Buque	East Bayugan CES
5	Maryjoy Timcang	East Bayugan CES
6	Shirly Grace Marquez	Bayugan Central SPED Center

BISLIG CITY (Science 1 and Science 4)

	Writers	School
1	Marivic C. Solis	San Fernando CES
2	Allan B. Gemao	Mantuyom ES
3	May F. Caberte	Sta. Cruz ES
4	Joan G. Go	Mangagoy East CES
5	Roxanne R. Guillen	Bislig CES
6	Venessa Joy Y. Aparicio	Caramcam CES
7	Madelyn C. Marquez	FC Pedraverde-Lindo ES
8	Rosilda B. Masancay	Bislig CES
9	Teresita A. Alimpos	Bislig CES
10	Sheila Mae P. Millan	Bislig City SPED Center

Validators		School
1	Elma B. Cordova	Tabon Maximino Estrella NHS
2	Rhenan O. Bacolod	San Jose NHS
3	Jinemerie C. Atendido	San Jose NHS
4	Jenile Y. Orias	Labisma NHS - Danipas Annex
5	Norma C. Jabagat	San Vicente NHS
6	Cyril Mae G. Geraldo	Sanyata NHS
7	Mario C. Lozada, Jr.	Bislig City SPED Center
8	Hinsellmen B. Sacro	Requina NHS
9	Rona M. Burgos	Plaza CES
10	Catherine R. Guir	Mangagoy South ES
11	Evelyn D. Ayap	Mangagoy CES
12	Nonita C. Patalinghug	SDO

BUTUAN CITY (Science 9)

Writers		School
1	ELVIRA D. FALCON	Libertad NHS
2	JOSIE G. GEMIDA	Taligaman NHS
3	IVY G. HONTALBA	Libertad NHS
4	ANNI GRACE C. MACALALAG	Taligaman NHS
5	LUNA C. MUNDA	Anticala NHS
6	GLEN B. PACOT	Taligaman NHS
7	MARIE LOU S. PALER	Agusan NHS
8	DELIA C. PIOCO	Butuan City School of Arts and Trades
9	JULIE ANN P. REQUIRME	Banza NHS
10	KC M. REYNA	Butuan City School of Arts and Trades
11	STEPHEN LAURENCE C. ROSALES	Taligaman NHS
12	JONAS F. SALDIA	Taligaman NHS
13	NANETTE L. SAMSON	Libertad NHS

Validators		School
1	JUDITH P. GUZON	Ampayon CES
2	KRIS M. HERMETAÑO	Babag ES
3	SHERIE ROSE F. RIVERO	Ampayon CES
4	ARIEL B. DURICO	Pigdaulan ES
5	ELVIRA D. FALCON	Libertad NHS
6	JOSIE G. GEMIDA	Taligaman NHS
7	IVY G. HONTALBA	Libertad NHS
8	ANNI GRACE C. MACALALAG	Taligaman NHS
9	LUNA C. MUNDA	Anticala NHS
10	GLEN B. PACOT	Taligaman NHS
11	MARIE LOU S. PALER	Agusan NHS
12	DELIA C. PIOCO	Butuan City School of Arts and Trades
13	JULIE ANN P. REQUIRME	Banza NHS
14	KC M. REYNA	Butuan City School of Arts and Trades
15	STEPHEN LAURENCE C. ROSALES	Taligaman NHS
16	JONAS F. SALDIA	Taligaman NHS

17	NANETTE L. SAMSON	Libertad NHS
18	Kris Carlo R. Buloron	Agusan Pequeño NHS
19	JEAN B. RAMIREZ	SDO

CABADBARAN CITY (Science 7)

	Writers	School
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3	Carol M. Candole	Cabadbaran City NHS
4	Stevenson B. Supas	Cabadbaran City NHS
5	Grace R. Suaybaguio	Cabadbaran City NHS
6	Archie A. Tan	Cabadbaran City NHS

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2	Julious N. Obida	NORCACES
3	Tweety D. Beray	CASOCES
4	Mary Christy M. Loquias	NORCACES
5	Prelyn p. Sandimas	NORCACES
6	Benjie Lou B. Bada	Cabadbaran City NHS
7	Janeth Q. Mondoneda	Cabadbaran City NHS
8	Theody P. Dagohoy	Cabadbaran City NHS
9	Roy B. Piloton	Del Pilar NHS

DINAGAT ISLANDS (Science 3, Sinugbuanong Binisaya)

	Writers	School
1	Mariafe Flor P. Jacquez	Albor CES
2	Jovilyn O. Odlime	Osmena ES
3	Vilma P. Maniquez	Aurelio ES
4	Josielou D. Rasonabe	Cuarenta ES
5	Priame S. Navida	Ferdinand ES
6	Lorna B. Tubo	Tag-abaca CES
7	Dulce Amor D. Suar	San Jose NHS
8	Jed-Ann B. Barientos	Bolod bolod CES
9	Jannife P. Malbacias	Bolod bolod CES
10	Jocel G. Castillo	Llamera ES

	Validators	School
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2	Bernadeth C. Luib	Sta. Cruz ES
3	Nino L. Ecle	DREESMNHS

Siargao (Science 3, Surigaonon)

	Writers	School
1	Roda S. Iballa	Dapa CES-SpEd Center
2	Janice S. Buyain	Dapa CES-SpEd Center
3	Melen C. Resnera	Bagacay ES

4	Daisy R. Durero	Jubang ES
5	Nhilla B. Caguiao	Magsaysay ES
6	Jovelyn Amido	Libertad ES
7	Arvee Joy S. Rocolcol	Can-uyan Primary School
8	Mereciana Partible	Osmena ES
9	Archie A. Pagula	Maasin ES
10	Aiglene D. Mindana	Pilar CES

	Validators	School
1	Roelyn E. Figuron	Gen.Luna CES-SSES
2	Lovella M. Escuyos	Numancia CES
3	Janine P. Tokong	Gen.Luna CES-SSES
4	Kathleen M. Jornales	Del Carmen NHS
5	Relyn Dotillos-Raza	CID-SDO Siargao

SURIGAO CITY (Science 2)

	Writers	School
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2	Kenneth Marie E. Acedilla	Surigao City Special Science ES
3	Raquel O. Dagaas	Surigao City Special Science ES
4	Jose Joemer M. Tuisa, Jr.	Surigao City Special Science ES
5	Nilda Claire P. Mantilla	Surigao City Special Science ES
6	Amelyn L. Malinao	Surigao City Special Science ES

	Validators	School
1	Cheryl G. Porras	Surigao City Pilot School
2	Maria Aibel L. Divinagracia	Mariano Espina Central ES
3	Karen R. Magnaye	Surigao West Central ES
4	Karen E. Cacayan	C.V. Diez Memorial CES
5	Marnelli R. Esmenda	Surigao City Special Science ES
6	Juris J. Erno	Emerico Borja ES
7	Marilytte N. Ensomo, PhD	SDO-CID

SURIGAO DEL NORTE (Science 8)

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6	Greg Llano	
7	Jolibee Pantilano	
8	Sarah Miasco	
9	John Commandante	
10	Christine Dalogdog	
11	Jofel Fabio	

Validators		School
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2	Deniah Carmen C. Paqueo	Surigao del Norte NHS
3	Chery Lou A. Alceso	
4	Merly Figueroa	
5	Reynosa Alcala	Campo NHS
6	Helen Escalada	
7	Amelita Baradillo	
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9	Kenny James Cubero	Surigao del Norte NHS
	Ruth Miasco	

SURIGAO DEL SUR (General Physics 2 & General Chemistry 2)

Writers		School
1	Pamela Lou C. Suazo	Unidad NHS
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3	Ryan Paul M. Vales	Tagbina NHS
4	Cristobert C. Ayaton	Liang Comprehensive NHS
5	AR A. Ranesis	Alba Integrated School
6	Marvin T. Tejano	Tagbina NHS
7	Juzalin P. Costuya	Panikian NHS
8	Shekaina Faith C. Lozada	Gamut NHS
9	Marvelous Saint P. Jumanoy	Gamut NHS
10	Ric Me D. Diaz	Liang Comprehensive NHS

Validators		School
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2	Jujie L. Quijada	Solomon P. Lozada NHS
3	Jomel C. Montero	San Miguel Comprehensive NHS
4	Genevi E. Virtudazo	Clarence T. Pimentel NHS
5	Jessa May C. Antonio	Burgos NHS
6	Ria L. Petilo	Maglambing Integrated School
7	Irene F. Havana	Barobo NHS
8	Christopher Christian S. Braza	Carrascal NHS
9	Rey D. Arbolonio	Hinatuan Comprehensive NHS
10	AR A. Ranesis	Alba Integrated School
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12	Gerald V. Balatero	Gamut NHS
13	Rosario P. Polea	Wakat NHS
14	Lani A. Ferrer	Tagbina NHS
15	Edna E. Trinidad	SDO

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5	Vaneza Y. Novo	Special Science Elementary School

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3	Angelita C. Azarcon	Carmen Integrated School
4	Rosielyn B. Bautista	Special Science Elementary School
5	Adonis Don G. Oplo	Tandag National Science High School
6	Rubie P. Roluna	Tandag City SPED Center

ENCLOSURE to Regional Memorandum No. 193, s. 2021

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Science – Grade 3

Learner Activity Sheets

**Quarter 4 – Week 2: Maila ang mga butang nga solid, liquid ug gas base sa
ilang kinaiya. (Gas)**

First Edition, 2021

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