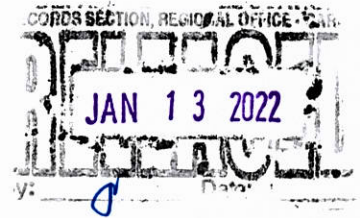




Republic of the Philippines
Department of Education
CARAGA REGION



January 12, 2022

REGIONAL MEMORANDUM
No. 0032, s. 2022

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

FINALIZATION OF STANDARDIZED ASSESSMENTS IN SCIENCE

1. All test makers, test validators, leaders of the validating teams (per RM No. 928, s. 2021), and Education Program Supervisors/Coordinators in Science are directed to finalize the (1) milestone-based calendars; (2) table of specifications; (3) standardized assessments; and (4) answer key on or before January 31, 2022.

2. Below are the required file formats and submission portals:

Test Materials	Format	No. of expected Output per Quarter	Submission Portal
Milestone-based Calendars	Excel and/or Word	1	https://bit.ly/ScienceAssessmentCalendar
Table of Specifications	PDF	4	https://bit.ly/2021ScienceTOS
Standardized Assessments	PDF	4	https://bit.ly/2021ScienceAssessments
Answer Key	PDF	4	https://bit.ly/2021ScienceAnswerKey

3. All uploaded files should follow the following naming conventions:

Test Materials	Naming Convention
Milestone-based Calendars	S3_Q1_Calendar; S10_Q2_Calendar; GP1_Q4_Calendar
Table of Specifications	S3_Q1_TOS 1; S3_Q1_TOS 2; S10_Q4_TOS 1
Standardized Assessments	S3_Q1_Summative Test 1; S10_Q4_Summative Test 2
Answer Key	S3_Q1_Answer Key 1; S10_Q4_Answer Key 2

4. For outputs that were already done during the assessment training, they shall be migrated to the new online depositories reflected above following the correct format and naming conventions.



Address: J.P. Rosales Avenue,
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Email: caraga@deped.gov.ph



5. The Education Program Supervisors/Coordinators, with the help of the leaders of the validating teams, shall **facilitate** the finalization of the test materials for standardized summative tests. Based on Regional Memorandum No. 928, s. 2021 Re: Regional Training-Workshop on the Development and Validation of Standardized Assessments in Science, the following Science subjects are assigned to the different Schools Division Offices (SDOs):

Science Subjects	Test Maker	Test Validator
Science 3 (Sinugbuanong Binisaya)	Dinagat Islands	Bislig City
Science 3 (Sinurigaonon)	Surigao City	Dinagat Islands and Bislig City
Science 4	Bislig City	Bayugan City
Science 5	Tandag City	Butuan City
Science 6	Bayugan City	Tandag City
Science 7	Cabadbaran City	Agusan del Norte
Science 8	Surigao del Norte	Cabadbaran City
Science 9	Butuan City	Surigao del Norte and Cabadbaran City
Science 10	Agusan del Sur	Surigao City and Agusan del Norte
DRRR	Butuan City	Siargao and Agusan del Sur
Earth Science	Siargao	Agusan del Sur
Earth and Life Science	Agusan del Sur	Siargao and Agusan del Norte
Physical Science	Surigao del Norte	Surigao del Sur
Gen. Biology 1	Surigao del Sur	Agusan del Norte
Gen. Biology 2	Agusan del Norte	Surigao del Sur
Gen. Chemistry 1	Surigao del Sur	Agusan del Norte
Gen. Chemistry 2	Agusan del Norte	Surigao del Sur
Gen. Physics 1	Surigao del Sur	Agusan del Sur
Gen. Physics 2	Surigao del Sur	Agusan del Sur

6. The Regional Science Coordinator will provide **weekly update** on the completion of the required test materials starting January 17, 2022.

7. For greatly affected SDOs hit by the Typhoon Odette, deadline of submission will be recalibrated vis-a-vis the extent of damage felt by the SDOs affecting electricity and internet connection. Greatly affected SDOs responsible for the validation of summative tests are paired with validators from other SDOs.

8. All uploaded TOS shall be properly signed by the test maker and the leader of the validating team. The format for the standardized assessment is downloadable at <https://bit.ly/scienceTOformat>, the format for the TOS is downloadable at <https://bit.ly/scienceTOSformat>, while the evaluation tool for the standardized assessment and TOS is downloadable at <https://bit.ly/assessmentTool>.

9. Files to be uploaded should not be encrypted with passwords. For security purposes, submission portals for the standardized assessments and answer keys are restricted. Only the EPSs/Coordinators in Science are given access for the uploading of outputs. In cases where the EPSs/Coordinators in Science authorize personnel or teachers from their SDOs to upload the required submissions, the Regional Science Coordinator shall be requested to grant them with full access.

10. Immediate dissemination of this Memorandum to all concerned is highly desired.


MA. GEMMA MERCADO LEDESMA
Regional Director

Encls.: As stated.

Reference: RM No. 928, s. 2021

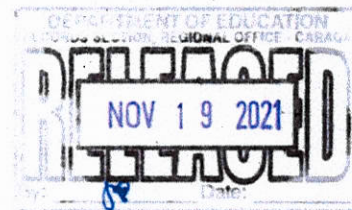
To be indicated in the Perpetual Index
under the following subjects:

SCIENCE STANDARDIZED ASSESSMENT TABLE OF SPECIFICATIONS

CLM/khzs
01/12/2022



Republic of the Philippines
Department of Education
CARAGA REGION



November 17, 2021

REGIONAL MEMORANDUM

No. 928, s. 2021

To: SCHOOLS DIVISION SUPERINTENDENTS
This Region

REGIONAL TRAINING-WORKSHOP ON THE DEVELOPMENT AND
VALIDATION OF STANDARDIZED ASSESSMENT IN SCIENCE

1. The 2018 Programme for International Student Assessment (PISA) of the Organization for Economic Cooperation and Development (OECD) revealed that the Philippines scored 357 in Science which is below the OECD average. This is homologous to the results of the Trends in International Mathematics and Science Survey (TIMSS) where Philippines ranked at the bottom 3 among the participating countries.
2. Putting the 2017 National Achievement Test in the picture, Caraganon Grade 6 learners scored 49.81 mean points putting Caraga last among the 16 regions. Among the learning areas assessed in the NAT, Science has the lowest MPS at 29.16. In the secondary level, specifically Grade 10, Caraga ranked 8th among the 16 regions after it got 117.76 mean points in the NAT. However, Science have the lowest MPS in the secondary level. This is true as well for the Sciences in the SHS where it is described within the low performing MPS bracket.
3. With these learning assessment findings, DepEd-Caraga aims to mimic the national and international standards in the administration and assessment evaluation through the development and validation of appropriate testing tools for Kto12 Science as it continuous to equip teachers with relevant technological-pedagogical content knowledge.
4. On December 2-3, 6-7, and 9, 2021, DepEd-Caraga will conduct a 5-day Regional Training-Workshop on the Development and Validation of Standardized Assessment in Science. This activity, with 15 CPD points, aims to:
 - a. design questions that promote 21st century skills;
 - b. create a milestone-based assessment calendar using the Most Essential Learning Competencies in Science;
 - c. develop Table of Specifications coherent to the DepEd policies on assessment and Conceptual Framework for Science Education;
 - d. develop a standardized assessment based on the Table of Specifications;
 - e. design smartphone-enabled answer sheet for auto-evaluation of assessment;
 - f. design online and cloud-based assessment submission system;
 - g. quality-assure Table of Specifications and test questionnaires in Elementary, Junior High School, and Senior High Science; and
 - h. encrypt the developed test questionnaires with security measures.



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5. Participants listed in the Enclosure are required to register and take the pretest at <https://bit.ly/ScienceAssessmentRegistration>. All participants are directed to enroll in the Google Classroom using the class code "fgrzymo".

6. The Zoom link for the training is <https://asu.zoom.us/j/85492944933>.

7. The Management Team for this training is indicated in the table below:

Management Team	
Chairman:	RD Ma. Gemma M. Ledesma, CESO V
Co-chairman:	ARD Atty. Fiel Y. Almendra, CESO V
Training Manager:	Isidro M. Biol, Jr., PhD
Training Coordinator:	Kevin Hope Z. Salvaña
Learning Facilitators:	Denn Marc P. Alayon, MAEd (DepEd-CO) Juvy B. Luna, MAEd (SDO-Bayugan City) Jean B. Ramirez, MST (SDO-Butuan City) Tomas M. Ferrol, III, MAEd (SDO-Agusan del Sur) Floramyr P. Sarvida, EdD (SDO-Surigao del Norte) Jonivil L. Vidal, PhD (SDO-Cabadbaran City) Nonita C. Patalinghug, PhD (SDO-Bislig City) Nino L. Ecle, PhD (SDO-Dinagat Islands)
Members:	Leaders of the Validating Teams

8. Learning facilitators and Division Science Supervisors/Coordinators are requested to attend the pre-work conference on November 29, 2021, 8:00 AM at meet.google.com/hbr-fsnw-zzg. Leaders of the validating teams are likewise directed to attend a separate pre-work conference with the learning facilitators on November 30, 2021 using the same Google Meet link.

9. Immediate dissemination of this Memorandum to all concerned is highly desired.


MA. GEMMA MERCADO LEDESMA
Regional Director

Encls.: As stated.

Reference: Approved Training Proposal

To be indicated in the Perpetual Index
under the following subjects:

SCIENCE STANDARDIZED ASSESSMENT TABLE OF SPECIFICATIONS

CLM/khzs
11/17/2021

LIST OF PARTICIPANTS (TEST MAKERS)

SDO Assigned in Science Subject	Assigned Quarter		Name of the Test Makers
Science 3- Sinugbuanong Binisaya (Dinagat Islands)	Q1	1	Aubrey G. Custodio
		2	Vilma P. Maniquez
	Q2	3	Jovelyn O. Odlime
		4	Mariafe Flor P. Jacquez
	Q3	5	Maria Vic R. Simbajon
		6	Gracelyn Lagroma Mapalad
	Q4	7	Jed-Ann B. Barientos
		8	Priame S. Navida
Science 3-Sinurigaonon (Surigao City)	Q1	9	Porras, Cheryl G.
		10	Jazon, Amelita C.
	Q2	11	Cacayan, Karen E.
		12	Magnaye, Karen Michelle
	Q3	13	Cui, Pretzel R.
		14	Lago, Leza V.
	Q4	15	Dinah E. Panal
		16	Ercillo, Berna Jane C.
Science 4 (Bislig City)	Q1	17	Hinsellmen Sacro
		18	Jay Maglinte
	Q2	19	Candy Paulene Santos
		20	Patricia Lucia V. Galindez
	Q3	21	Jenalyn T. Ellazo
		22	Mario C. Lozada Jr.
	Q4	23	Cyril Mae G. Geraldo
		24	Ivy Balingan
	Q1	25	Vaneza Y. Novo
		26	Nora C. Atezora
	Q2	27	Rosemarieliza L. Ramirez

Science 5 (Tandag City)	Q2	28	Luz G. Deligero
		29	Jovelyn D. Sacal
	Q3	30	Mirfred Jean D. Suarez
		31	Rubie P. Roluna
		32	Rey Anthony G. Idul
Science 6 (Bayugan City)	Q1	33	Josephine G. Mahilum
		34	Doreen Saligumba
	Q2	35	Flordeliz A. Maglasang
		36	Janice C. Bolanio
	Q3	37	Herald Hope M. Apole
		38	Lenny Rose G. Orapa
	Q4	39	Annaliza C. Campos
		40	Flor Mangisel
Science 7 (Cabadbaran City)	Q1	41	Ralph Sidfrey L. Antonio
		42	Charisse T. Hebanada
	Q2	43	Kimberly Mae A. Sanchez
		44	Jane A. Melgazo
	Q3	45	Everliza B. Lagunde
		46	Dina S. Rayno
	Q4	47	Patty Jane A. Minguito
		48	Carol M. Candole
Science 8 (Surigao del Norte)	Q1	49	Amelita B. Ajoc
		50	Jofel Pete D. Fabio
	Q2	51	Sarah May L. Serna
		52	Marybeth M. Reyes
	Q3	53	Deniah Carmen C. Paqueo
		54	Chery Lou A. Alceso
	Q4	55	Ruth B. Miasco
		56	Melien B. Vanzuela
	Q1	57	Nanette Samson
		58	Julie Ann Requirme

Science 9 (Butuan City)	Q2	59	Melvin Cabonegro
		60	Saddam Sani
	Q3	61	Anni Grace Macalalag
		62	Stephen Laurence Rosales
	Q4	63	Merasol M. Jamero
		64	Domingo Daryl G. Simbajon
Science 10 (Agusan del Sur)	Q1	65	Mary Grace A. Valencia
		66	Romeo Villarin
	Q2	67	Ian Morente
		68	Magart Tagalog
	Q3	69	Honey Faith M. Galindo
		70	Jeremaeh Delosa
	Q4	71	April Rose Ayuban
		72	Junrey M. Meking
General Biology 1 (Surigao del Sur) General Biology 2 (Agusan del Norte)	Q1	73	Ivy Grace T. Coronel
		74	Rey D. Arbolonio
	Q2	75	Reynilyn L. Lepardo
		76	Irene F. Havana
	Q3	77	Jessica C. Abiva
		78	Maria Indiana P. Ebarle
	Q4	79	Joel Condrad A. Cuenca
		80	Sherjune C. Cañete
Gen. Chemistry 1 (Surigao del Sur) Gen. Chemistry 2 (Agusan del Norte)	Q1	81	Myra Joy B. Montero
		82	Ryan Paul M. Vales
	Q2	83	Pamela Lou C. Suazo
		84	Cristobert C. Ayaton
	Q3	85	Corinne Frances B. Bayhon
		86	Caryl Mae S. Semine
	Q4	87	Adelyn G. Siega-Patatag
		88	Janet Trugillo Guerra
	Q1	89	Marvin T. Tejano

Gen. Physics 1 Gen. Physics 2 (Surigao del Sur)	Q1	90	Arjun D. Cerro
	Q2	91	Marvelous Saint P. Jumanoy
		92	Maribeth J. Cusap
	Q3	93	Ric Me D. Diaz
		94	Juzalin P. Costuya
	Q4	95	John Ferry P. Sual
		96	AR A. Ranesis
Earth Science (Siargao)	Q1	97	Carmensita E. Forcadilla
		98	Sundae Carmel S. Basubas
	Q2	99	Angie Flor A. Laugo
		100	Lovely Fe G. Monter
Earth and Life Science (Agusan del Sur)	Q1	101	Grenice Palermo
		102	Jean Ailyn O. Pitolan
	Q2	103	Joy Araneta
		104	Mary Grace P. Dela Cruz
Physical Science (Surigao del Norte)	Q1	105	Kenny James A. Cubero
		106	Ermie Jamil
	Q2	107	Nessel Auditor
		108	Rochie Valledor
DRRR (Butuan City)	Q1	109	Luna C. Munda
		110	Emman Litera
	Q2	111	Luke Caberte
		112	Shirley Anne Laxamana

LIST OF PARTICIPANTS (TEST VALIDATORS)

SDO Assigned in Science Subject	Assigned Quarter		Name of the Test Validators
	Leader	113	Sheila Mae Millan
	Q1	114	Angelyn A. Cadayona
		115	Ray Kriscel Canadora
	Q2	116	Charlita Pimentel

Science 3- Sinugbuanong Binisaya (Bislig City)	Q2	117	Romulo Lico Cuerdo
	Leader	118	Catherine R. Guir
	Q3	119	Jessie Manzano
		120	Camila Orcino
	Q4	121	Rosario Ramirez Obligado
		122	Ana Lene Alimpoos
Science 3-Sinurigaanon (Dinagat Islands)	Leader	123	Ronie C. Golandrina
	Q1	124	Emie P. Ebol
		125	Claire Anne A. Urbuda
	Q2	126	Charisma M. Longos
		127	Ma. Linda P. Pegarro
	Leader	128	Alwin Rex I. Baradillo
	Q3	129	Wenelyn G. Eder
		130	Bernelyn E. Mutia
	Q4	131	Maria Loramel O. Eludo
		132	Keen Fertuce N. Galito
Science 4 (Bayugan City)	Leader	133	Annalee M. Buque
	Q1	134	Maria Luisa D. Dominguito
		135	Josefa Casipong
	Q2	136	Christopher Saplot
		137	Hope Malignat
	Leader	138	Shirly Grace R. Marquez
	Q3	139	Carmela L. Solonia
		140	Geraldine C. Villanueva
Science 5	Q4	141	Jenelyn Cahulogan
		142	Darlina Alinghawa
	Leader	143	Judith Guzon
	Q1	144	Ariel Durico
		145	Abraham Dapacino
	Q2	146	Sherwen Gales
		147	Hannie Mae Viterbo

(Butuan City)	Leader	148	Kris Hermetano-Rin
	Q3	149	Sherie Rose Rivero
		150	Ginda Clenuar
	Q4	151	Michelle Hernando
		152	Nesel Sayas
Science 6 (Tandag City)	Leader	153	Jocelyn R. Caluban
	Q1	154	Floribel C. Escoton
		155	Evelyn M. Medrano
	Q2	156	Lilibeth A. Molejon
		157	Nilma M. Ramos
	Leader	158	Rosielyn B. Bautista
	Q3	159	Jeremy B. Balatero
		160	Fritzie B. Uriat
	Q4	161	Emilyn T. Casio
		162	Hilda C. Abiera
Science 7 (Agusan del Norte)	Leader	163	Lanelyn Alonsagay
	Q1	164	Cristina G. Ballesteros
		165	Eugene Manulat
	Q2	166	Adelyn Siega Patatag
		167	Analou O. Hermosilla
	Leader	168	Antonio Pacatang
	Q3	169	Wilfred Vicente
		170	Cristilou Nacua
	Q4	171	John Ruby
		172	Geno L. Mendoza
Science 8 (Cabadbaran City)	Leader	173	Roy B. Piloton
	Q1	174	Janelyn E. Magaway
		175	Steveson B. Supas
	Q2	176	Theody P. Dagohoy
		177	Meconcepcion N. Lansang
	Leader	178	Janneth S. Cornites

	Q3	179	Grace R. Suaybaguio
		180	Janeth Q. Mondoñedo
	Q4	181	Benjielou B. Bada
		182	Lady Diana G. Daleon
Science 9 (Surigao del Norte)	Leader	183	Christine B. Dalogdog
	Q1	184	Ann M. Julvesano
		185	Emilia G. Loayon
	Q2	186	Ennocent John G. Comandante
		187	Rachel T. Nemenzo
	Leader	188	Rebecca C. Ungab
	Q3	189	Randolfh C. Empredu
		190	Reynosa S. Alcala
Science 10 (Surigao City)	Q4	191	Dhoresfe A. Navallo
		192	Lilibeth Paje Madelo
	Leader	193	Joysyl A. Silvosa
	Q1	194	Pantilo, Nikki P.
		195	Bonilla, Eljie L.
	Q2	196	Bonita, Marilou S.
		197	Salnungan, Christine Joy
	Leader	198	Harric P. Mantilla
General Biology 1 (Agusan del Norte) General Biology 2 (Surigao del Sur)	Q3	199	Calubag, Junniel P.
		200	Silvosa, Rinard V.
	Q4	201	Mantilla, Imee D.
		202	Pacot, Jayson V.
	Leader	203	Jinky N. Oraiz
	Q1	204	Eocelin C. Canonigo
		205	Ellen P. Monton-Ferrer
	Q2	206	Pejie Ann S. Cornites
		207	Mendelssohn L. Ajesta II
	Leader	208	Gerald V. Balatero
	Q3	209	Saphirra D. Orzales

	Q3	210	Laurence C. Layson
	Q4	211	Jessa May C. Antonio
		212	Lara Mae B. Realista
Gen. Chemistry 1 (Agusan del Norte) Gen. Chemistry 2 (Surigao del Sur)	Leader	213	Emely M. Tragua
	Q1	214	Delia P. Alcantara
		215	Sherjune C. Cañete
	Q2	216	Alfonz Lexie John C. Basul
		217	Jesusa C. Olayon
	Leader	218	Cristal Alaiza Flor G. Pesado
	Q3	219	Esmalyn A. Oracion
		220	Jujie L. Quijada
Gen. Physics 1 Gen. Physics 2 (Agusan del Sur)	Q4	221	Venessa M. Sumabat
		222	Lani A. Ferrer
	Leader	223	Juniel Barrios
	Q1	224	Jason P. Resma
		225	Wendy O. Erro
	Q2	226	Erica May M. Gacmatan
		227	Karen T. Dellatan
	Leader	228	Kerwin Membrado
	Q3	229	Andrew Bryan L. Salazar
		230	Jess N. Tonzo
Earth Science (Agusan del Sur)	Q4	231	John Mark P. Orillosa
		232	Kent Dela Cerna
	Leader	233	Jennyvi H. Papellero
	Q1	234	King Royd T. Ombrosa
		235	Ian Deither B. Cinco
Earth and Life Science (Siargao)	Q2	236	Rainer Sularte
		237	Dennalyn M. Ayado
	Leader	238	Joanne Marie L. Gencianos
	Q1	239	Charmaine F. Gorgono
		240	Dindo G. Petallo

	Q2	241	Girlie Myla D. Maturan
		242	Nika Portillo
Physical Science (Surigao del Sur)	Leader	243	Ranel D. Briones
	Q1	244	Rolinda L. Vete
		245	Lovie Kim P. Ocura
	Q2	246	Marife B. Romoroza
		247	Analou T. Demetria
DRRR (Siargao)	Leader	248	Kathleen M. Jornales
	Q1	249	April Mae A. Arcaya
		250	Jeanly P. Concha
	Q2	251	Jolmar A. Rudela
		252	Marietta C. Asignar