



Republic of the Philippines  
DEPARTMENT OF EDUCATION  
Region V(Bicol)

**SCHOOLS DIVISION OFFICE OF CATANDUANES**  
Virac, Catanduanes

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**RELEASED**

**DIVISION MEMORANDUM NO. 313 S. 2018**

DepEd, Division of Catanduanes

RECORDS SECTION

Date NOV 13 2018

Time: 12:16 P.M.

Initial/Signature: [Signature]

TO : Chief, Curriculum Implementation Division (CID)  
Education Program Supervisors  
Public Schools District Supervisors  
Secondary School Heads  
All other concerned

FROM : *[Signature]*  
**SOCORRO V. DELA ROSA, CESO VI**  
Schools Division Superintendent

SUBJECT : **DIVISION TRAINING ON LANGUAGE STRATEGIES IN  
TEACHING MATHEMATICS FOR LAC FACILITATORS  
IN SECONDARY MATHEMATICS**

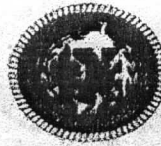
DATE : November 13, 2018

1. The Schools Division Office (SDO) of Catanduanes through the Curriculum Implementation Division (CID) will conduct a two (2) day live-out training on **Language Strategies in Teaching Mathematics on December 13-14, 2018** at a venue to be announced later.
2. The training aims to reacquaint math teachers with the challenge posed by language barriers and how the same can be overcome using language methodologies.
3. The participants to this training are the LAC Facilitators teaching Junior High School Mathematics. Attached as enclosure is the List of Participants.
5. No Registration Fee will be collected, the training materials and meals (Lunch and AM/PM Snacks) for the duration of the training program shall be charged to CID-HRTD Fund. All other incidental and travelling expenses shall be charged to local funds/school MOOE subject to the usual accounting and auditing rules and regulations.
6. For information, dissemination and compliance.



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**PARTICIPANTS TO LANGUAGE STRATEGIES IN TEACHING MATHEMATICS  
AND IMPROVISATION FOR SECONDARY MATH TEACHERS**

NO.	ZONE/MUNICIPALITY	NAME	SCHOOL
1	1 (Virac)	Ma. Gherlyn R. Torreja	Catanduanes NHS
2	1 (Virac)	Maria Elizabeth C. Abrasaldo	Catanduanes NHS
3	1 (Virac)	Raffy A. Panti	Catanduanes NHS
4	1 (Virac)	Mark Anthony B. Trasmaño	Catanduanes NHS
5	1 (Virac)	Angelee R. Sarmiento	Catanduanes NHS
6	1 (Virac)	Ronie T. Toledo	Catanduanes NHS
7	1 (Virac)	Marinel R. San Juan	Catanduanes NHS
8	1 (Virac)	Jennifer A. Bobis	Catanduanes NHS
9	1 (Virac)	Roberto T. Sta Rosa	Catanduanes NHS
10	1 (Virac)	Grace F. Bernardo	Catanduanes NHS
11	1 (Virac)	Emerson B. Liagas	Catanduanes NHS
12	1 (Virac)	Edmond Aurel B. Lazado	Catanduanes NHS
13	1 (Virac)	Jayson V. Jimenez	Catanduanes NHS
14	1 (Virac)	Avegail T. Molina	Catanduanes NHS
15	1 (Virac)	Liza C. Almario	Catanduanes NHS
16	1 (Virac)	Ludy M. Avila	Catanduanes NHS
17	1 (Virac)	Shirley S. Romero	Antipolo NHS
18	1 (Virac)	Mary Joy C. Reyes	Antipolo NHS
19	1 (Virac)	Nieva V. Rodriguez	Buyo IS
20	1 (Virac)	Pacita M. Verano	Calatagan HS
21	1 (Virac)	Jeanny S. Bañares	Calatagan HS
22	1 (Virac)	Aurora C. Dasigan	Hawan NHS
23	1 (Virac)	Myrna M. Espiritu	Hawan NHS
24	1 (Virac)	Terese T. Taller	Palta NHS
25	1 (Virac)	Lane Cecilia V. Asuncion	Palta NHS
26	1 (San Andres)	Mana Shiela T. Tatel	San Andres Vocational School
27	1 (San Andres)	Acer M. Villanueva	San Andres Vocational School
28	1 (San Andres)	Wilfred G. Tapiador	San Andres Vocational School
29	1 (San Andres)	Jayson B. Gianan	San Andres Vocational School
30	1 (San Andres)	Jocelyn C. Reyes	San Andres Vocational School
31	1 (San Andres)	Ginalyn A. Petajen	San Andres Vocational School
32	1 (San Andres)	Myra Grace S. Belmonte	San Andres Vocational School
33	1 (San Andres)	Cesar L. Dela Providencia	Cabcab NHS
34	1 (San Andres)	Elisa Z. Tomes	Cabcab NHS
35	1 (San Andres)	Antonio T. Tomes	Cabcab NHS
36	1 (San Andres)	Jeanette A. Busadre	Codon NHS
37	1 (San Andres)	Rey P. Vargas	Codon NHS
38	1 (San Andres)	Judylyn F. Gianan	Lictin IS
39	2 (Baras)	Maribel T. Manibale	Baras RDHS
40	2 (Baras)	Alfred S. Tresvalles	Baras RDHS
41	2 (Baras)	Jocelyn O. Rima	Baras RDHS
42	2 (Baras)	Nestor T. Ubalde Jr.	Baras RDHS
43	2 (Baras)	Zoren I. Añonuevo	Baras RDHS
44	2 (Baras)	Marilyn C. Biscarra	Baras RDHS
45	2 (Baras)	Joan T. Talan	Agban NHS

NO.	ZONE	NAME	SCHOOL
46	2 (Baras)	Joan T. Talan	Agban NHS
47	2 (Baras)	Analyn R. Tubice	Agban NHS
48	2 (Bato)	Riza R. Benavidez	Bato RDHS
49	2 (Bato)	Sheyrl B. Presentacion	Bato RDHS
50	2 (Bato)	Jonel G. Aznar	Bato RDHS
51	2 (Bato)	Jenny Tasarra	Bato RDHS
52	2 (Bato)	Jenilyn I. Taopo	Bote IS
53	2 (Bato)	Hipolito S. Del Barrio IV	Bote IS
54	2 (Bato)	Ermeline Buendia	Cabugao IS
55	2 (Bato)	Agnes Tomagan	Cabugao IS
56	2 (Bato)	Arlene Abrasaldo	Cabugao IS
57	2 (Bato)	Mark Anthony Tablizo	Cabugao IS
58	2 (Gigmoto)	Ma. Salome T. Tusi	Gigmoto RDHS
59	2 (Gigmoto)	Jayson T. Gonzales	Gigmoto RDHS
60	2 (Gigmoto)	Dante T. Aldea	Gigmoto RDHS
61	2 (Gigmoto)	Edwin T. Tomes	Dororian NHS
62	2 (Gigmoto)	Mercy V. Trasmaño	Dororian NHS
63	2 (Gigmoto)	Eduardo Sarmiento	Sicmil IS
64	2 (San Miguel)	Nelly B. Gianan	San Miguel RDHS
65	2 (San Miguel)	Evangeline Toquero	San Miguel RDHS
66	2 (San Miguel)	Jocelyn A. Evangelista	San Miguel RDHS
67	2 (San Miguel)	Rachel B. Aguiar	San Miguel RDHS
68	2 (San Miguel)	Domingo R. Tayam Jr.	San Miguel RDHS Annex- Mabato HS
69	2 (San Miguel)	Jay Tuazon	San Miguel RDHS Annex- Mabato HS
70	3 (Bagamanoc)	Erwin G. De Jesus	Bagamanoc RDHS
71	3 (Bagamanoc)	Thelma Borja	Bagamanoc RDHS
72	3 (Bagamanoc)	Mary Grace Valerio	Bagamanoc RDHS
73	3 (Bagamanoc)	Lanie Capistrano	Bagamanoc RDHS
74	3 (Bagamanoc)	Melanie Molina	Bagamanoc RDHS
75	3 (Bagamanoc)	Eric Villamartin	Bugao NHS
76	3 (Bagamanoc)	Rey Tulod	Bugao NHS
77	3 (Bagamanoc)	Joyce Basilan	San Vicente NHS
78	3 (Bagamanoc)	Analyn Angulo	San Vicente NHS
79	3 (Panganiban)	Jocelyn Tugano	Panganiban NHS
80	3 (Panganiban)	Johr Kevin Vega	Panganiban NHS
81	3 (Panganiban)	Marceli Teves Jr.	Panganiban NHS
82	3 (Panganiban)	Jenny Jasareno	Panganiban NHS-CAIC
83	3 (Panganiban)	Hanelyn Pasuengos	Panganiban NHS-CAIC
84	3 (Panganiban)	Maria Felly Rubio	Panganiban NHS-CAIC
85	3 (Viga)	Eleuterio Tapar	Viga RDHS
86	3 (Viga)	Marichu Oculos	Viga RDHS
87	3 (Viga)	Stefany Concepcion	Viga RDHS
88	3 (Viga)	Niño Jasareno	Tinago NHS
89	3 (Viga)	Laila Toririt	Tinago NHS
90	3 (Viga)	Kenneth Usero	Tambongon NHS
91	3 (Viga)	Lyra Magtangob	Tambongon NHS
92	3 (Viga)	Vicente Teves	San Jose NHS
93	4 (Caramoran)	Lita Asanza	Caramoran RDHS
94	4 (Caramoran)	Bernabe Barrameda	Caramoran RDHS
95	4 (Caramoran)	Felina Tasarra	Caramoran RDHS
96	4 (Caramoran)	Ramir Del Barrio	Caramoran RDHS
97	4 (Caramoran)	Ariel Rojas	Caramoran SF
98	4 (Caramoran)	Pinky Turalde	Caramoran SF
99	4 (Caramoran)	Luis Karlo Avila	Cobo IS
100	4 (Caramoran)	Emmanuel Lopez	Cobo IS

NO.	ZONE	NAME	SCHOOL
101	4 (Caramoran)	Eltón John Bernal	Dariao NHS
102	4 (Caramoran)	Julie Ann Jayas	Milaviga IS
103	4 (Caramoran)	Syren Samonte	Milaviga IS
104	4 (Caramoran)	Jesel Magdahong	Milaviga IS
105	4 (Caramoran)	Dante Atienza	Supang-Datag NHS
106	4 (Caramoran)	Amelia Boridas	Supang-Datag NHS
107	4 (Caramoran)	Marites Eustaquio	Supang-Datag NHS
108	4 (Caramoran)	Kyn Emerenciana	Palumbanes IS
109	4 (Caramoran)	Artzen Vilaion	Tubli NHS
110	4 (Caramoran)	Danreb Calisin	Tubli NHS
111	4 (Caramoran)	Hipolito Del Barrio	Tubli NHS
112	4 (Caramoran)		Tubli NHS
113	4 (Pandan)	Mark Dela Rosa	Pandan SAT
114	4 (Pandan)	Niña Torio	Pandan SAT
115	4 (Pandan)	Mary Jean Garcia	Pandan SAT
116	4 (Pandan)	Ma. Aiza Garcia	Pandan SAT
117	4 (Pandan)	Christian Dominguez	Pandan SAT
118	4 (Pandan)	Editha Idava	LIV Sr. NHS
119	4 (Pandan)	Jerwin Del valle	LIV Sr. NHS
120	4 (Pandan)	Rafael Manlangit	LIV Sr. NHS
121	4 (Pandan)	Janeia Joyce Gan See	LIV Sr. NHS

**Trainers/Facilitators:**

Romel G. Petajen SDO-CID  
 Jocelyn B. Tabirara Virac Pilot Elementary School  
 Charmaine Kaye C. Abrasaldo Hitoma-Bulalacao Elementary School

**Training Staff:**

Isabel T. Bernal  
 Raquel C. Bosque  
 Ma. Dolores C. Todoc  
 Shelita G. Valeza

# WORKSHOP / S DESCRIPTION

- Is based on and adapted from the book, "Write for Mathematics, 2<sup>nd</sup> Edition" by Andrew Rothstein, Evelyn Rothstein, and Gerald Lauber
- Simulation of language-based strategies for writing and communicating in science or mathematics classrooms
- Featured strategies are primarily designed for use in the elementary grades but are adaptable to higher grades using more challenging tasks
- All activities are output-driven and will require both individual and collaborative efforts

# WORKSHOP SESSIONS

Workshop	Title	Description
1	Taxonomy Building	Building scientific and mathematical vocabulary
2	Composing with Keywords	Constructing sentences and paragraphs using scientific and mathematical terms
3	Metacognition	Exploration and reflection on personal scientific and mathematical knowledge
4	Defining Format for Clarity	Organizing and categorizing knowledge using a template
5	Profiles	Connecting concepts across disciplines using one concept as anchor
6	Using Frames for Procedures and Results	Explaining, describing, and discussing scientific and mathematical procedures

# OUTPUTS

- Workshop exercises
- Sample lesson integrating language strategies
  - One each for science and mathematics

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