



Department of Education  
Region 10- Northern Mindanao  
**DIVISION OF MALAYBALAY CITY**  
Purok 6, Casisang, Malaybalay City



**DIVISION MEMORANDUM**  
No. 350, 2015

2015-09-30  
Deped-MALAYBALAY CITY DIVISION  
**RELEASED**  
Date: SEP 18 2015 Time: 1:25  
By: [Signature]

**TO:** Chief Education Supervisors, SGOD and CID  
Education Program Supervisors /Division Coordinator  
Public Schools District Supervisor  
Public Secondary Schools Heads  
This Division

**FROM:**   
EDILBERTO L. OPLENARIA, CESO VI  
Schools division Superintendent

**SUBJECT:** Division Training of Teachers in Teaching Secondary School Mathematics through Problem Solving

**DATE:** September 18, 2015

1. This Division will conduct a Division Training of Teachers in Teaching Mathematics through Problem Solving on October 7-9, 2015 at Loiza's Pavillon, Casisang, Malaybalay City.
2. The main objectives of this training are the following:
  - a. Explain the K to 12 Mathematics Curriculum and its features;
  - b. Differentiate among teaching mathematics through problem solving, teaching mathematics for problem solving, and teaching problem solving;
  - c. Formulate assessment items or tasks that assess higher order thinking skills;
  - d. Describe lesson study as a continuing professional development model for teachers;
  - e. Develop, implement, critique, and improve a research lesson that uses teaching mathematics through problem solving.

3. **Participants to this training are all grade 7 teachers and 3 math department head in this division.**
4. **Meals and snacks are charged to the Human Resource Training and Development funds while traveling and other related expenses shall be charged to local funds/MOOE subject to the usual accounting, rules and regulations.**
5. **For information and compliance.**

## Enclosure no.1

## Distribution of Participants

| School                                 | Grade 7 Teacher | Math Department Head | Total |
|--|-----------------|----------------------|-------|
| 1. BNHS-main                           | 6               | 1                    | 7     |
| 2. BNHS-Imbayao Annex                  | 1               |                      | 1     |
| 3. BNHS-Dalwangan Annex                | 1               |                      | 1     |
| 4. Kalasungay NHS                      | 1               |                      | 1     |
| 5. Can-ayan IS                         | 1               |                      | 1     |
| 6. Casisang NHS                        | 1               |                      | 1     |
| 7. Malaybalay City NHS                 | 1               |                      | 1     |
| 8. Malaybalay City National Science HS | 2               |                      | 2     |
| 9. Bangcud NHS                         | 2               | 1                    | 3     |
| 10. San Martin AINHS                   | 3               |                      | 3     |
| 11. Managok NHS-main                   | 2               | 1                    | 3     |
| 12. Managok NHS-Lalawan Annex          | 1               |                      | 1     |
| 13. Managok NHS-Miglamin Annex         | 1               |                      | 1     |
| 14. Silae NHS-main                     | 1               |                      | 1     |
| 15. Silae NHS-St. Peter Annex          | 1               |                      | 1     |
| 16. Busdi IS                           | 1               |                      | 1     |
|  |                 |                      | 29    |
| Facilitators/Speakers                  |                 |                      | 5     |
| Education Program Supervisors          |                 |                      | 8     |
| Total                                  |                 |                      | 42    |

**Training Schedule:**

| <b>Day</b>   | <b>Morning Session</b>   | <b>Afternoon Session</b>   |
|--|--|--|
| <b>Day 1</b><br>(October 7, 2015)  | <b>7:30 – 9:00</b> <ul style="list-style-type: none"> <li>• Arrival</li> <li>• Registration</li> <li>• Opening Program</li> <li>• Creating a Learning Environment</li> </ul> <b>9:00 – 10:00</b> <ul style="list-style-type: none"> <li>• The K to 12 Mathematics Curriculum</li> <li>• Teaching Math Through Problem Solving</li> </ul> <b>11:00-12:00</b> <ul style="list-style-type: none"> <li>• Sample Teaching 1</li> </ul> <b>11:00 – 12:00</b> <ul style="list-style-type: none"> <li>• Developing and Assessing Higher Order Thinking Skills</li> </ul> | <b>1:00 – 2:00</b> <ul style="list-style-type: none"> <li>• Sample Teaching 2</li> </ul> <b>2:00 – 3:00</b> <ul style="list-style-type: none"> <li>• Debriefing</li> </ul> <b>3:00 – 5:00</b> <ul style="list-style-type: none"> <li>• Workshop Development of Research Lesson with Assessment 1</li> </ul> <b>5:00-7:00</b> <ul style="list-style-type: none"> <li>• Workshop Development of Research Lesson with Assessment 2</li> </ul> |
| <b>Day 2</b><br>(October 8, 2015) Actual Grade 7 Students' Demonstration Teaching of BNHS-Main | <b>6:30:00 – 10:30</b> <ul style="list-style-type: none"> <li>• Arrival</li> <li>• MOL</li> <li>• Lesson Study</li> </ul> <b>10:30-12:00</b> <ul style="list-style-type: none"> <li>• Workshop Development of Research Lesson with Assessment 3</li> </ul>   | <b>1:00 – 3:30</b> <ul style="list-style-type: none"> <li>• Demo Teaching 1</li> <li>• Demo Teaching 2</li> </ul> <b>3:30-4:30</b> <ul style="list-style-type: none"> <li>• Feedback to Demo</li> </ul> <b>4:30-7:00</b> <ul style="list-style-type: none"> <li>• Modification of Research Lesson</li> <li>• Debriefing</li> </ul>   |
| <b>Day 3 (October 9, 2015) Actual Grade 7 Students' Demonstration Teaching of BNHS-Main</b>    | <b>6:30-10:30</b> <ul style="list-style-type: none"> <li>• Arrival</li> <li>• MOL</li> <li>• Demo 1 (2<sup>nd</sup> cycle)</li> <li>• Demo 2 (2<sup>nd</sup> cycle)</li> </ul> <b>10:30-12:00</b> <ul style="list-style-type: none"> <li>• Post Lesson Debriefing</li> </ul>   | <b>1:00-3:00</b> <ul style="list-style-type: none"> <li>• Action Planning for implementation and M &amp; E</li> <li>• Integration</li> </ul> <b>3:00-4:30</b> <ul style="list-style-type: none"> <li>• Evaluation</li> </ul> <b>4:30-5:00</b> <ul style="list-style-type: none"> <li>• Closing Program</li> </ul>  |