ICT IN EDUCATION – MAJOR COMPONENTS

- TECHNOLOGY INFRASTRUCTURE
- TEACHER DEVELOPMENT
- LEARNING RESOURCES
- COMMUNICATION AND ENGAGEMENT
- INFORMATION SYSTEMS
Technology Infrastructure

- **Computerization Budget**
  - Php 500M in 2010
  - Php 8B in 2015

- **Computer Provision Cycle**
  - 10 Years
  - 5 years

- **Schools with Provision**
  - Energized High Schools
  - Energized Schools
  - All Schools

- **Quantity**
  - 1 Package per School
  - Multiple Packages based on Enrolment
CHALLENGE: 5,700 unenergized elementary & secondary schools (mostly located in remote areas)
Provide access to a low-maintenance, easy to manage ICT package
## Enhanced Teaching and Learning

<table>
<thead>
<tr>
<th>ICT in the curriculum</th>
<th>1st Year</th>
<th>Grade 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Push for enhanced pre-service ICT training</td>
<td>Capacity building plan for effective T/L through technology</td>
<td></td>
</tr>
</tbody>
</table>

### Teacher Development

- Push for enhanced pre-service ICT training

### Learning Resources

- Solely print
- Increasing access to digital resources
Teacher Development: ICT Skills

WRITESHOP (w/representatives from the Region, Division, School, Programs, ICT, Resource persons)

PILOT IMPLEMENTATION of 1 DIVISION (100 School ICT Coord.)

LEVEL 1: TRAINING OF 17 REGIONAL ITOs & 220 DIVISION ITOs

LEVEL 2: TRAINING OF 46,000+ SCHOOL ICT COORD.
Teacher Development: ICT Skills

- Facilitation Skills
- ICT skills Training Strategies
- Activity-Based Training
- Expert Groups
- IT Support for Information Systems and DCP
- Implementation Planning
Teacher Development: ICT Skills

GOAL: ICT Skills Professional Development through school-based learning action cells
Learning Resources: Learning Resource Management and Development System (LRMDS)

Is a portal designed to support increased distribution and access to learning and teaching resources at the Region, Division and School levels of Department of Education.

The portal is mobile and tablet friendly.
Learning Resources: The LRMDS Portal

WELCOME TO Learning Resources Portal

Search, download and use quality learning, teaching and professional development resources on this site.

K to 12 Teacher's Guides for Grades 1 to 4 and 7 to 10 are available on the DepEd Drive. Please log on with your DepEd email account to access these files. If you don't have a DepEd email account, you may get it here. The DepEd email account is only available to all employees of the Department of Education.

Create
Create your own resources using any of the over 5000 photos, illustrations, video and audio files in the Media Gallery.

Learn
Access Open Education Resources and online learning programs including professional development and alternative delivery mode programs.

Share
Ideas on learning and teaching resources and provide feedback.

Latest Additions

Math SIM
This is a teacher-developed structured Instructional material in Mathematics intended for Grade VI pupils which focuses on comparing

Kan Koman 2
This module describes a typical day of a boy in the farm

Idlay Bangkag
This story portrays the kind of life a person experiences in farms.

lrmds.deped.gov.ph
Learning Resources: The LRMDS Portal

Create - A resource for different types of media with appropriate CC license

Learn - A resource for professional development

Share - A collaborative space for forum discussions
Learning Resources: The LRMDS Portal

- Learning materials are easily accessible to the public as long as they register.

- Teacher specific materials are restricted only to DepEd registered emails (i.e. Teaching Guides, Assessments, Professional Development, Lesson Plans, etc.)
The LRMDS Portal: K-12 Mapped Search Facility

K to 12 Grade Level Ladder
Browse each level to view more resources.

Kto12 teaching and learning materials are progressively being uploaded for all grade levels and curriculum areas.

✔ You can find many resources for various curriculum areas for all levels except grades 11 and 12.
Learning resources can be searched by:
- grade level
- subject
- learning areas
- competencies
LRMDS Portal Features: K-12 Mapped Search Facility

Each learning material is tagged with standard metadata.

All materials are easily available for download.
Learning Resources: What’s Next?

Ongoing Portal Enhancements:
- Develop a robust collaborative function (Share module)
- Create an engaging professional development section (Learn module)
- Create a reporting tool
- Update other browse views (catalogue and map view)
- Enhance search facility
- Integrate system with UIS

Next Projects:
- Harvest learning resources created from schools
- Harvest curated lesson plans from top performing teachers
- Create a reporting tool
- Update other browse views (catalogue and map view)
- Enhance search facility
- Integrate system with UIS
COMMUNICATION AND ENGAGEMENT

A BIG CHALLENGE!
COMMUNICATION AND ENGAGEMENT

Not everyone has access to electricity and Internet connectivity

What do we do?....

We use SOCIAL MEDIA.

- Philippines is the 5th biggest facebook user – 30 million
- 90 million cellphone service subscribers
COMMUNICATION AND ENGAGEMENT

#HASHTAG HOTLINES

#RescuePH
Include your name, address, contact #

#SafeNow
When you have been rescued.

#ReliefPH
Information on relief operations.

#FloodPH
Information on flooded area including time, place, and height of flood.

#WalangPasok
Information on school and work suspensions.

#TrafficPH
Information on traffic. Include time and place.

#EarthquakePH
Report & monitor earthquake-related events.

CALL FOR HELP

National Disaster and Risk Reduction and Management Council (NDRRMC)
(02) 911-1406
(02) 912-2665
(02) 912-5668

Philippine National Police (PNP)
Call 117 or send TXT PNP to 2920

Doh.gov.ph  Healthpromo.doh.gov.ph  OfficialDOHgov

Department of Education
COMMUNICATION AND ENGAGEMENT

REVAMPED. ENHANCED. REVITALIZED.

For better access to relevant information on the Philippine Basic Education, visit the new DepEd website:

HTTP://WWW.DEPED.GOV.PH/
BASIC EDUCATION INFORMATION SYSTEM (BEIS) - To maintain the profile of schools and learning centers in BE and effectively report on school level operations and performance indicators

- Implemented online system since 2011
- Coverage as of EOSY 2014

<table>
<thead>
<tr>
<th>Total No. of Schools</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Public</td>
<td>46,624</td>
</tr>
<tr>
<td>Elem</td>
<td>38,648</td>
</tr>
<tr>
<td>Secondary</td>
<td>7,976</td>
</tr>
<tr>
<td>Private</td>
<td>15,994</td>
</tr>
<tr>
<td>Elem</td>
<td>10,562</td>
</tr>
<tr>
<td>Secondary</td>
<td>5,432</td>
</tr>
</tbody>
</table>
Historical annual enrolment data since 2002

Datasets

- School Profile
- Annual Enrolment (by level, age, program)
- Teaching and non-teaching resources
- Instructional and non-instructional rooms
- Electricity, water and sanitation
- Other facilities (computers, internet)
- DRRM
- Performance indicators
LEARNER INFORMATION SYSTEM (LIS) - To maintain a registry of learners and generate information that enables a more effective and efficient tracking of learner movement and performance and enhance learner-centered decision-making at all levels of educ. mgmt.

- Implemented LRN in 2011
- Online system at school level since 2012
- Coverage as of EOSY 2014

<table>
<thead>
<tr>
<th>Total Enrolment</th>
<th>21,042,250</th>
</tr>
</thead>
<tbody>
<tr>
<td>Public</td>
<td>46,624</td>
</tr>
<tr>
<td>Elem</td>
<td>15,114,208</td>
</tr>
<tr>
<td>Secondary</td>
<td>5,928,042</td>
</tr>
</tbody>
</table>
We may be changing or updating a few things but the vision remains the same.

We dream of Filipinos who passionately love their country and whose competencies and values enable them to realize their full potential and contribute meaningfully to building the nation.

As a learner-centered public institution, the Department of Education continuously improves itself to better serve its stakeholders.
THANK YOU!