

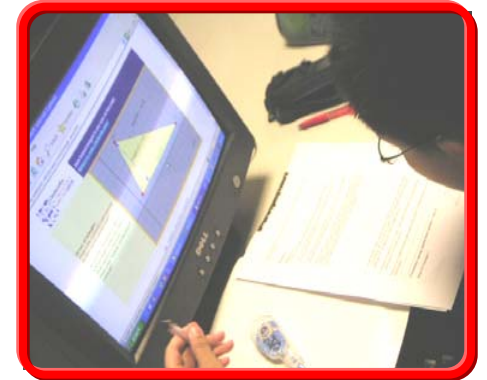
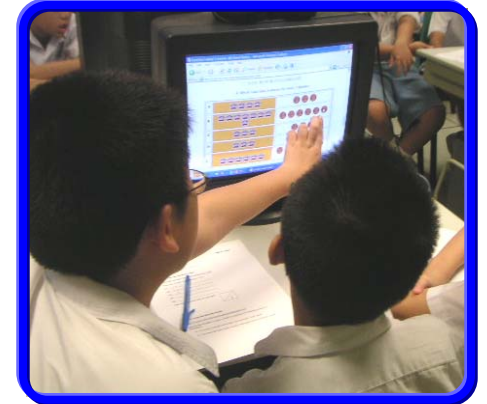
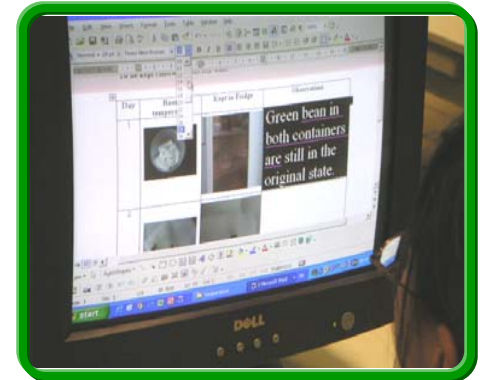
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# **Pupils' Attainment of Baseline ICT Standards**

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# Baseline ICT Standards

All pupils are to acquire the necessary ICT skills to support them in learning and preparing them for future needs



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# Baseline ICT Standards

## Generic ICT skills applicable across subjects

Areas	ICT Skills
Basic Operations	Interactive media environment
Learning with Searches	Internet navigation and search
Learning with Text	Word processing
Learning with Multimedia	Production and manipulation of multimedia content
Learning with Spreadsheet	Data management and processing
Learning with Communication Tools	Online communication
Learning with Data Collection Tools	Data collection and transfer

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# Baseline ICT Standards

## Key Stages

Primary		Secondary	
Key Stage 1	Key Stage 2	Key Stage 3	Key Stage 4
Pri 1 to 3	Pri 4 to 6	Sec 1 to 2	Sec 3 to Pre-U 2

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# Baseline ICT Standards

- Implemented standards for 3 years
- mp3 target is for 100% of pupils to attain Baseline ICT Standards

**Have our pupils attained the standards?**

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# Baseline ICT Standards

Developed an online assessment tool

- System
  - Assessment Player
  - Question Editor
  - Report Generator
- Repository of Questions
  - Only ICT skills-based tasks

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# Online Assessment Tool

Demonstration

of

**BasIC** System

(Baseline ICT Skills Assessment System)

# Pilot of Online Assessment Tool

## ■ System

- ❑ Stability and user friendliness
- ❑ 3 rounds of testing with a total of 7,400 pupils from 30 Pri and 30 Sec schools

## ■ Questions

- ❑ Calibrated for clarity and level of difficulty
- ❑ 2 rounds of testing with 120 education officers

# Pilot of Online Assessment Tool

## Overall Results

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
<b>1</b>	942	11.4	32.9	33.4	22.3	<b>0</b>
<b>2</b>	960	1.6	4.7	16.1	77.6	<b>1.4</b>
<b>3</b>	1020	2.0	5.2	30.0	63.0	<b>3.3</b>
<b>4</b>	870	1.4	2.9	9.7	86.1	<b>15.8</b>

# Pilot of Online Assessment Tool

## Learning with Text

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
1	942	14.0	25.5	40.3	20.3	0
2	960	5.3	5.0	21.4	63.3	0
3	1020	2.0	7.4	36.5	54.2	18.4
4	870	1.5	4.0	25.9	68.6	29.9

# Pilot of Online Assessment Tool

## Learning with Searches

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
1	942	48.2	20.0	18.9	13.0	12.9
2	960	2.4	7.6	23.9	65.6	65.6
3	1020	NA	NA	35.6	64.4	61.5
4	870	NA	NA	10.2	89.7	89.8

# Pilot of Online Assessment Tool

## Learning with Multimedia

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
1	942	27.2	22.5	29.2	21.1	3.4
2	960	2.0	5.5	22.6	70.0	32.0
3	1020	4.7	8.8	24.4	62.1	25.3
4	870	3.1	4.1	7.4	85.4	52.6

# Pilot of Online Assessment Tool

## Learning with Spreadsheet

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
1	942	NA	NA	NA	NA	NA
2	960	4.9	57.8	25.2	12.1	2.3
3	1020	49.3	18.9	14.6	17.1	17.2
4	870	15.5	36.4	0	48.1	48.0

# Pilot of Online Assessment Tool

## Overall Results

Key Stage	Total No of Pupils	Percentage of Pupils who scored X				
		$X \leq 25\%$	$25\% < X \leq 50\%$	$50\% < X \leq 75\%$	$X > 75\%$	$X > 95\%$
1	942	11.4	32.9	33.4	22.3	0
2	960	1.6	4.7	16.1	77.6	1.4
3	1020	2.0	5.2	30.0	63.0	3.3
4	870	1.4	2.9	9.7	86.1	15.8

# What's Next...

- To conduct assessment

Year	MOE Assessment	Self Assessment
2010 / 2012	20% Primary schools KS 1 (P4): Feb – Mar KS 2 (P6): Oct – Nov	Remaining Primary Schools to sample <u>20%</u> of <u>cohort</u> of respective key stages

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# What's Next...

## MOE

- Installation of System
  - All schools - 80 computers per school (from Nov 2009)
  - ITSS with assistance from TA

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# What's Next...

## School

### ■ Pupils' Particulars

- Update data into School Cockpit (end Jan 2010)

### ■ Assessment Schedule

- Incorporate into School calendar

### ■ Teacher i/c

- Facilitates implementation
  - Manage teachers' and pupils' accounts
  - Schedule sessions for teachers and pupils to familiarise with tool
  - Schedule sessions for pupils' assessment

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# Support for Schools

- Information on Assessment and Tool
  - Slides (<http://ict.edumall.sg>)
  - User Manual
  - Commonly Asked Questions
  
- Technical Issues
  - Application software & accounts
  - TA, ITSS & Heulab

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# Support for Schools

- Monitoring Attainment of ICT Skills
  - Baseline ICT Standards guide
    - Practices, e.g. teachers' observation, pupils' artefacts
- Integrating ICT into Curriculum
  - Professional Development
    - e.g. TRAISI, customised workshops
  - Consultancy services

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# Questions & Answers

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**Thank You**

