

Journey Towards International Benchmarking: A Story about Private Schools in the United Arab Emirates (UAE)

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Dubai- United Arab Emirates

Education in the UAE

- Ministry of Education (MoE): oversees schools in the UAE
- Knowledge & Human Development Authority (KHDA): oversees private schools in Dubai
- Abu Dhabi Educational Council (ADEC): oversees all schools in Abu Dhabi



Education in the UAE

No. of schools across the country	Public	Private
UAE *	342	156
Abu Dhabi	265	186
Dubai	77	153

* Excluding Dubai and Abu Dhabi

Education in the UAE

No. of students	Public	Private
UAE *	144,093 (42%)	195,629 (58%)
Abu Dhabi	125,852 (39%)	200,131 (61%)
Dubai	28,277 (11.2 %)	225,099 (88.8%)

* Excluding Dubai and Abu Dhabi

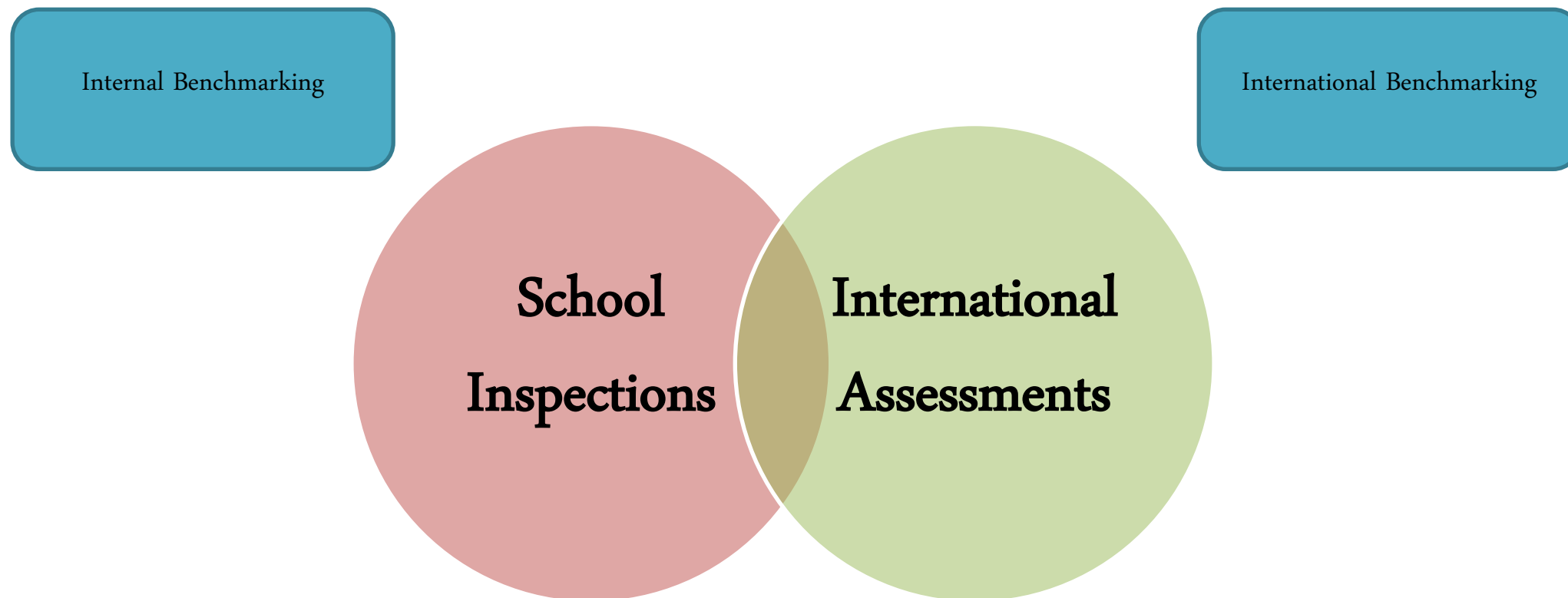


Private School Curricula in Dubai *

1. UK
2. Indian
3. US
4. National curriculum- UAE Ministry of Education (MoE)
5. IB
6. Pakistani
7. Philippines
8. French
9. Iranian
10. Institute of Applied Technology (UAE)
11. German
12. Reggio Emilia (KG)
13. Russian
14. Japanese
15. International Curriculum for Languages and Creative Arts (KG)

* Types of curricula listed in this slide based on curricula with largest number of schools

How do we monitor the quality of private schools in Dubai?



Participation in TIMSS and PIRLS

TIMSS 2007

- Dubai: benchmarking participant

TIMSS/PIRLS 2011

- UAE
- Dubai: benchmarking participant
- Abu Dhabi: benchmarking participant

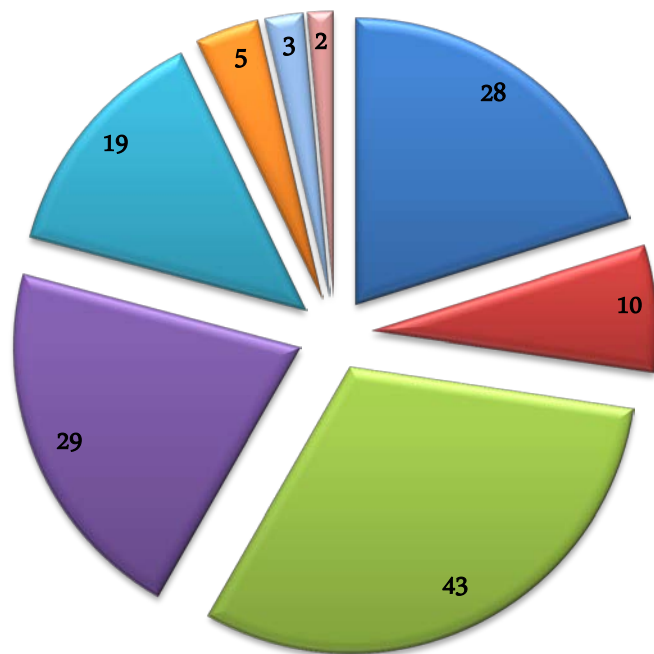
How did we use TIMSS/ PIRLS in working with private schools in
Dubai?

1. Testing all schools



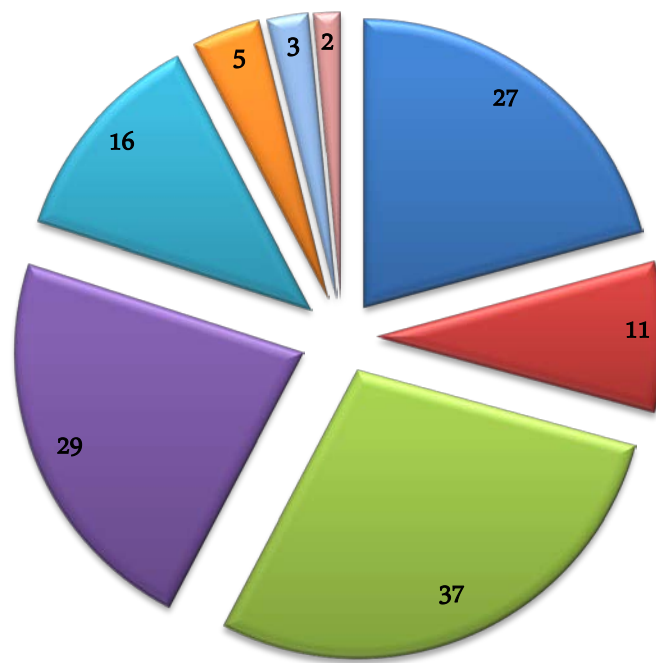
Dubai's Sample in TIMSS and PIRLS 2011

Grade 4



Total: 139 schools

Grade 8





Total: 130 schools



- Public- MoE
- Private-MoE
- UK
- US
- Indian
- IB
- Pakistani
- Philippine



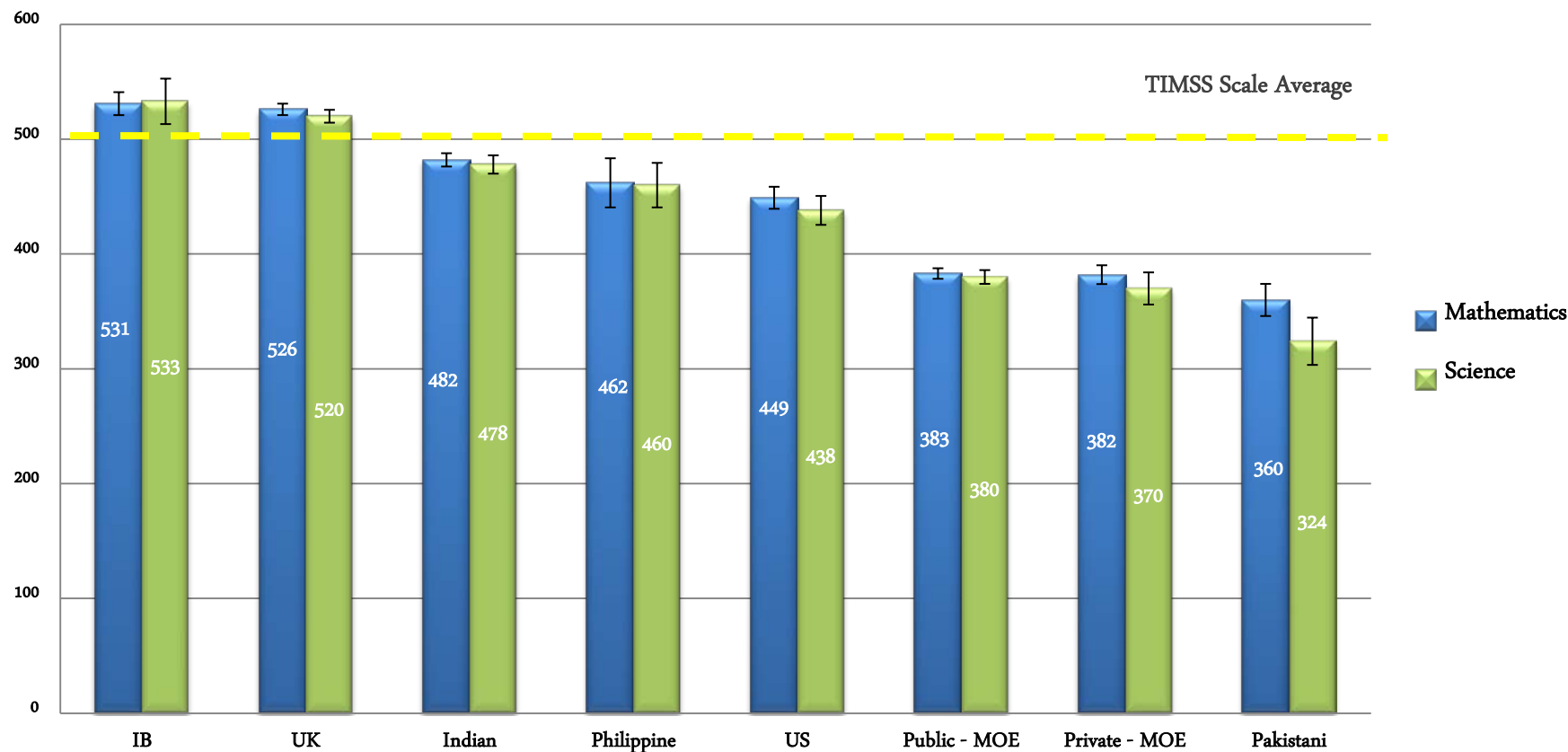
2. Analysing results by school curriculum type

Dubai's Performance in TIMSS and PIRLS 2011

	Cycle	Mathematics	Science	Reading (PIRLS 2011)
Grade 4	2007	444	460	476
	2011	468	461	
	Difference	24 	1 	

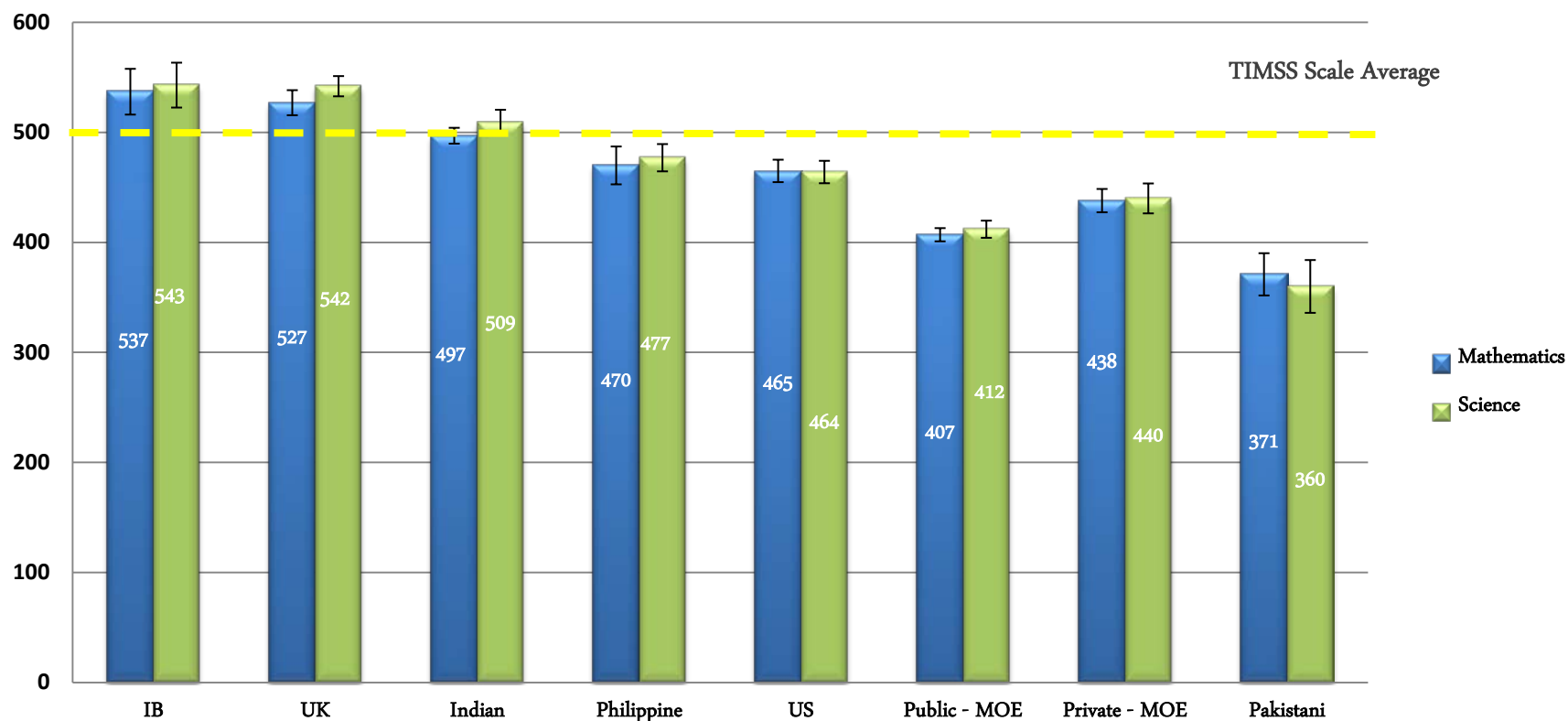
	Cycle	Mathematics	Science
Grade 8	2007	461	489
	2011	478	485
	Difference	17 	-4 

Achievement at Grade 4- Mathematics and Sciences (TIMSS 2011)



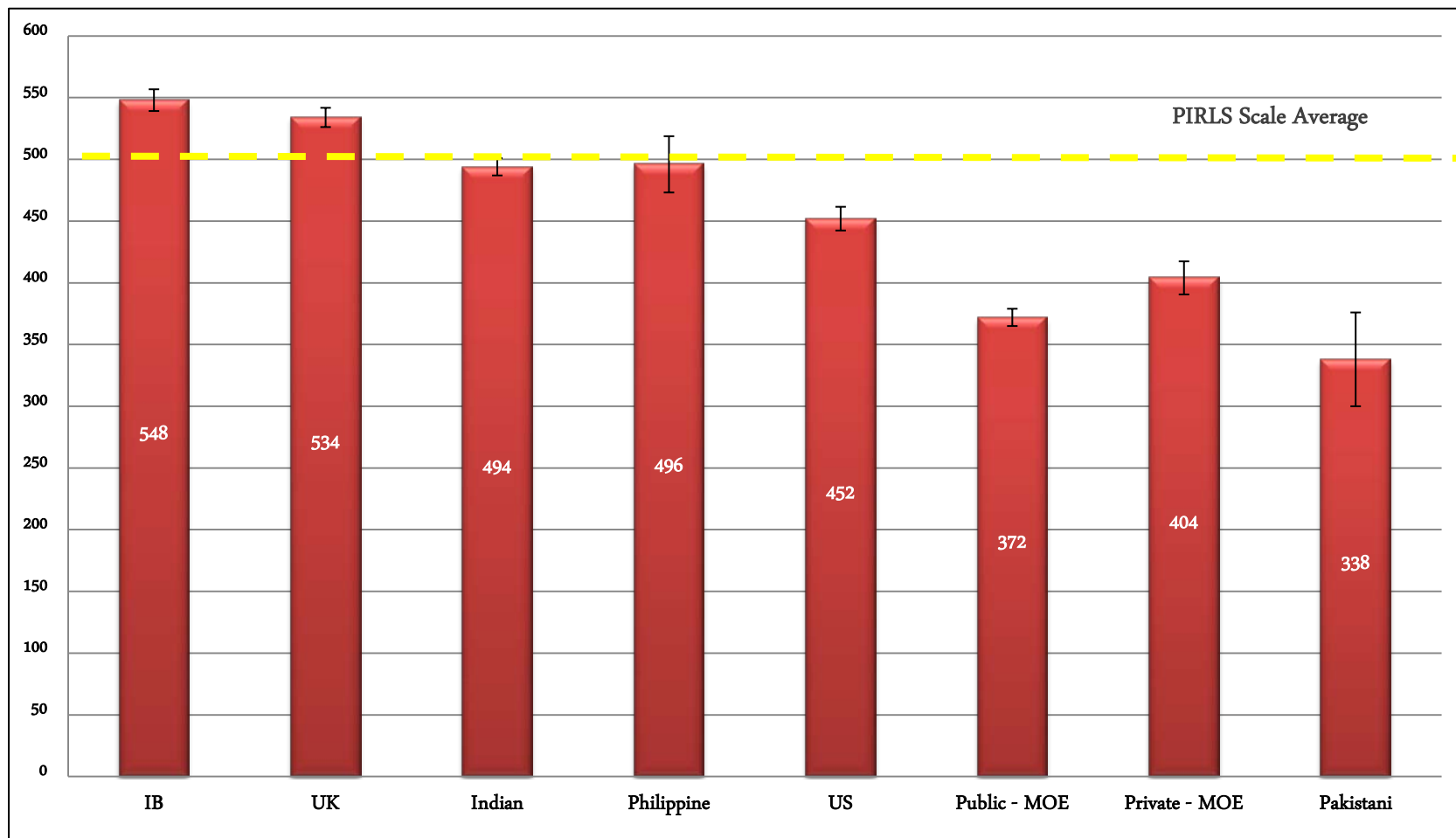
Dubai's average	
Mathematics	468
Science	461

Achievement at Grade 8- Mathematics and Science (TIMSS 2011)



Dubai's average	
Mathematics	478
Science	485

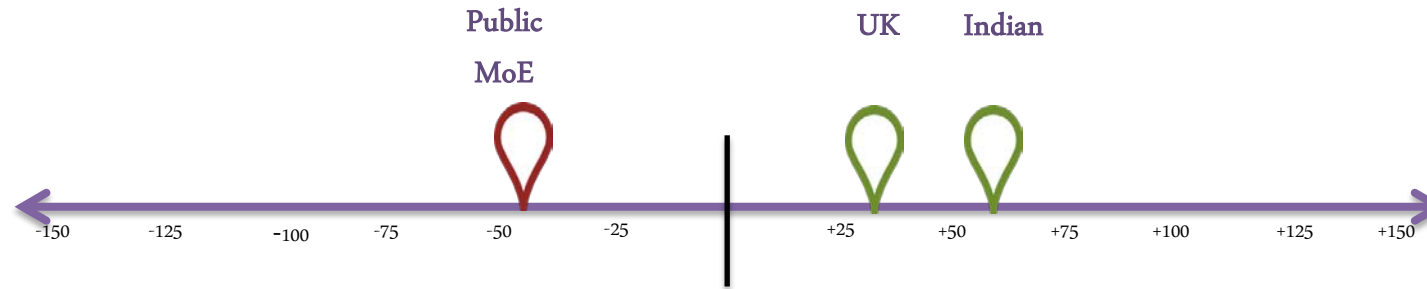
PIRLS 2011



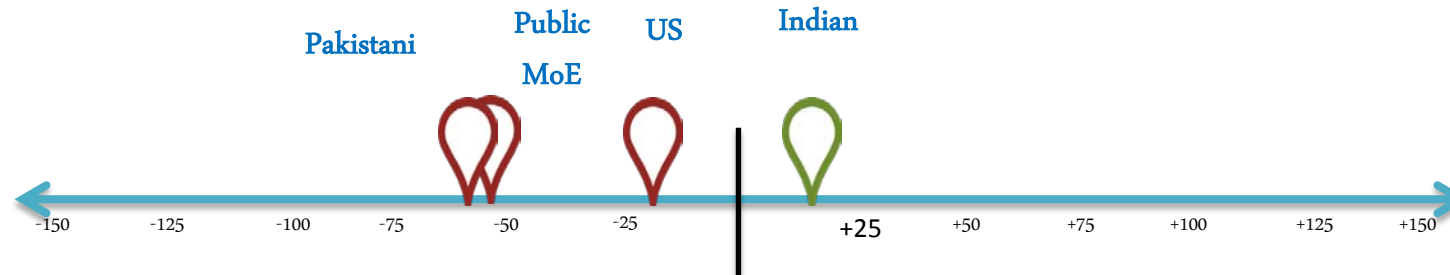
Dubai's PIRLS average
476

TIMSS Trends (2007-2011) by School Curricula-Grade 4

Mathematics

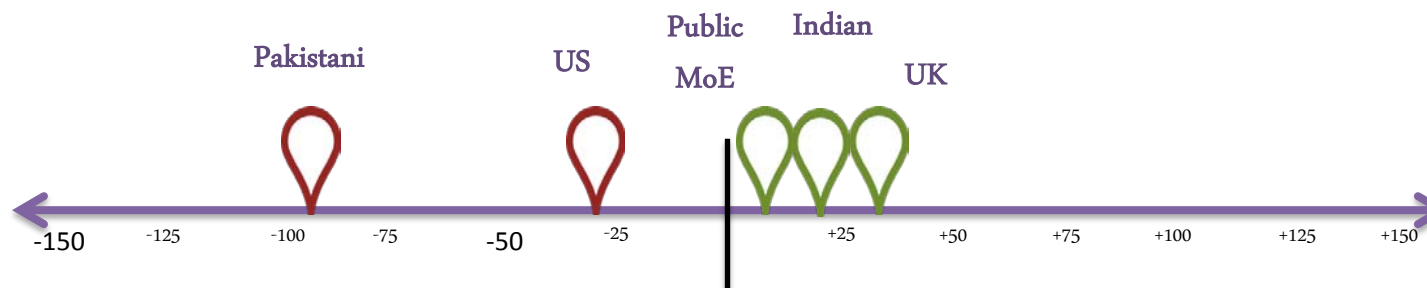


Science

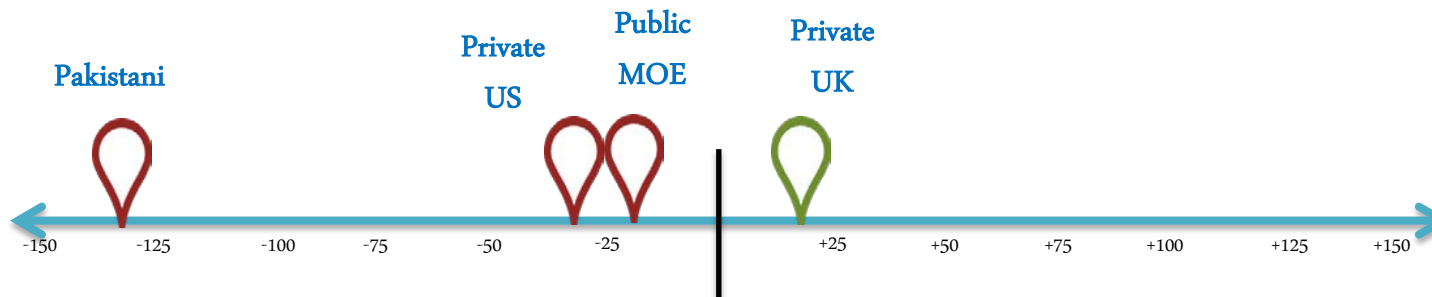


TIMSS Trends (2007-2011) by School Curricula-Grade 8

Mathematics



Science





3. Analysing the impact of literacy on student achievement

TIMSS/ PIRLS 2011

Tested in Arabic

Public- MoE

Private- MoE

Tested in English

UK

US

IB

Indian

Philippines

Pakistani

63% of our students who were tested in English, do not speak English at home

The impact of reading

Correlating reading results with achievement in mathematics and sciences
(TIMSS/PIRLS 2011)

Reading & Mathematics

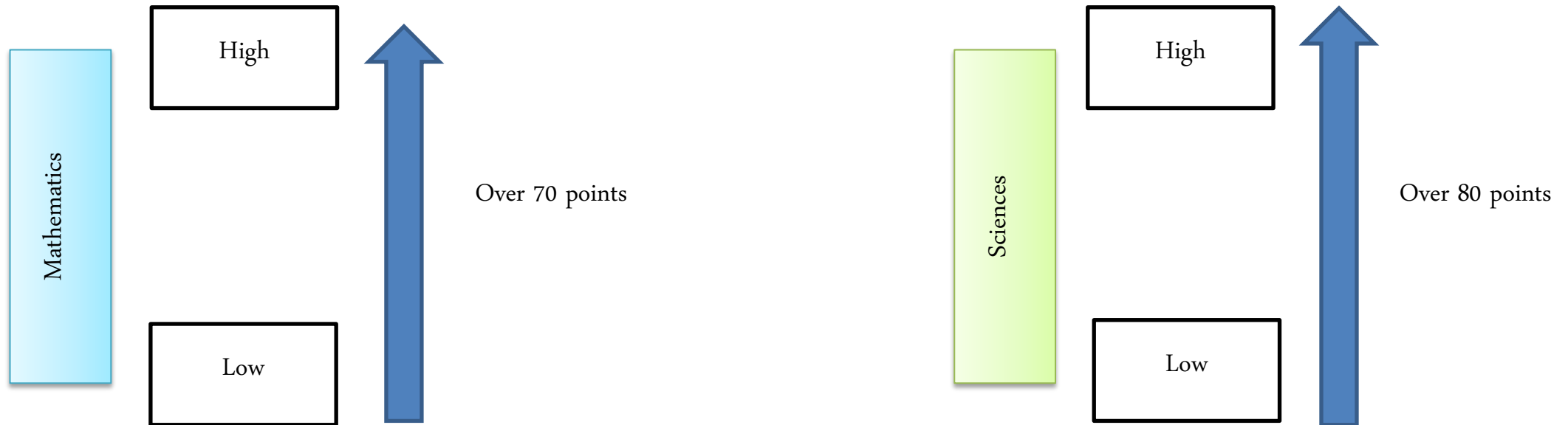
1 point increase in reading is associated with 0.7 increase in Mathematics

Reading & Science

1 point increase in reading is associated with 0.8 increase in Science

The impact of reading

The difference between **high** performing schools and **low** performing schools..



The impact of reading

When controlling for **reading**..



4. Correlating TIMSS/PIRLS 2011 with inspection's results



TIMSS/PIRLS 2011 and inspection's ratings

Outstanding

Good

Acceptable

Unsatisfactory

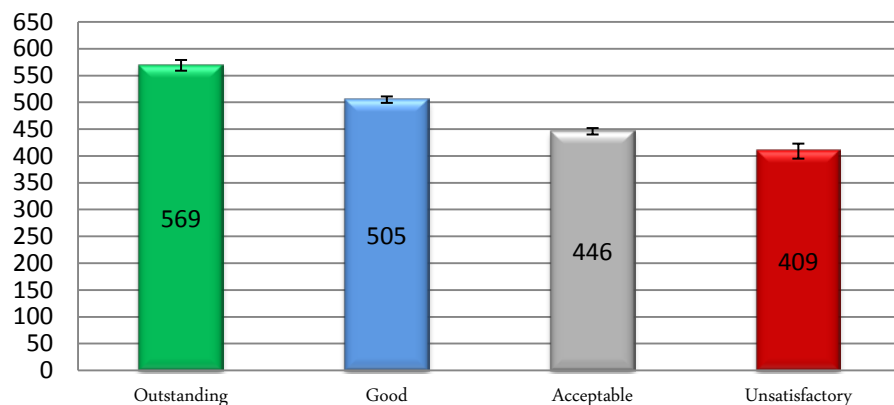
Correlating 2011 school inspection
ratings



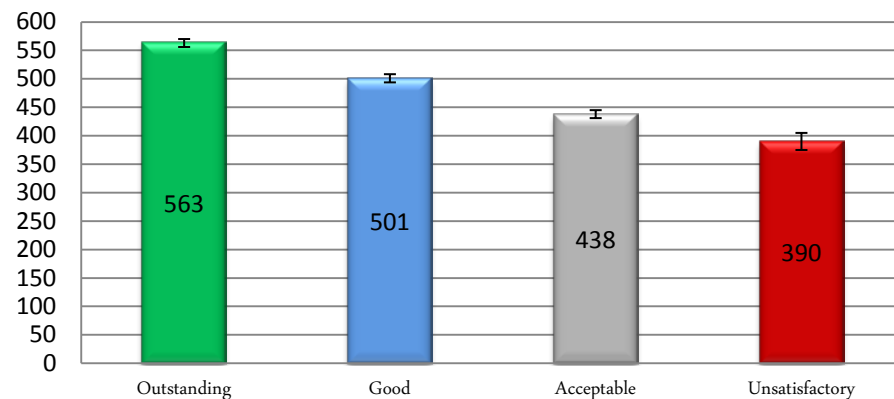
TIMSS/PIRLS 2011 school
achievement results

Correlating TIMSS/PIRLS 2011 with inspection's results

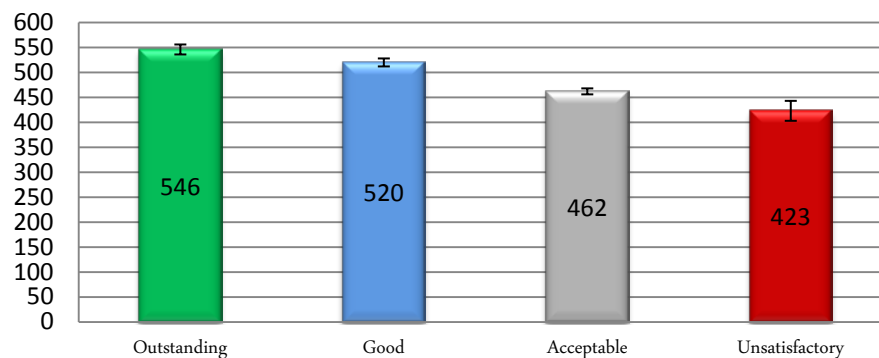
Grade 4 Mathematics – TIMSS 2011 & Inspection Ratings



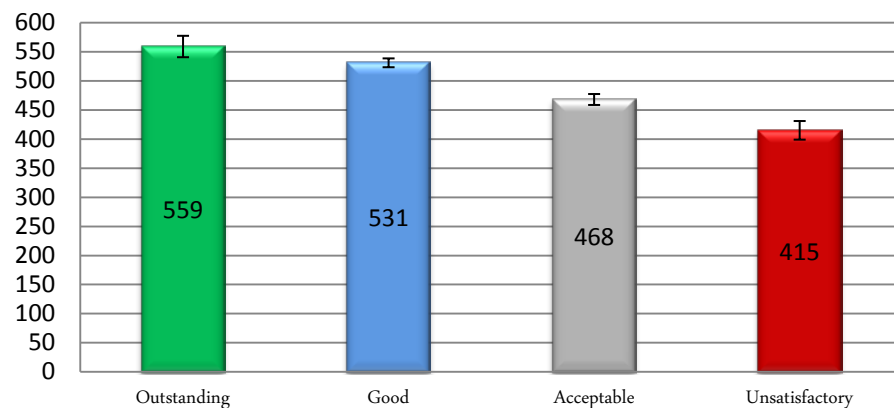
Grade 4 Science – TIMSS 2011 & Inspection Ratings



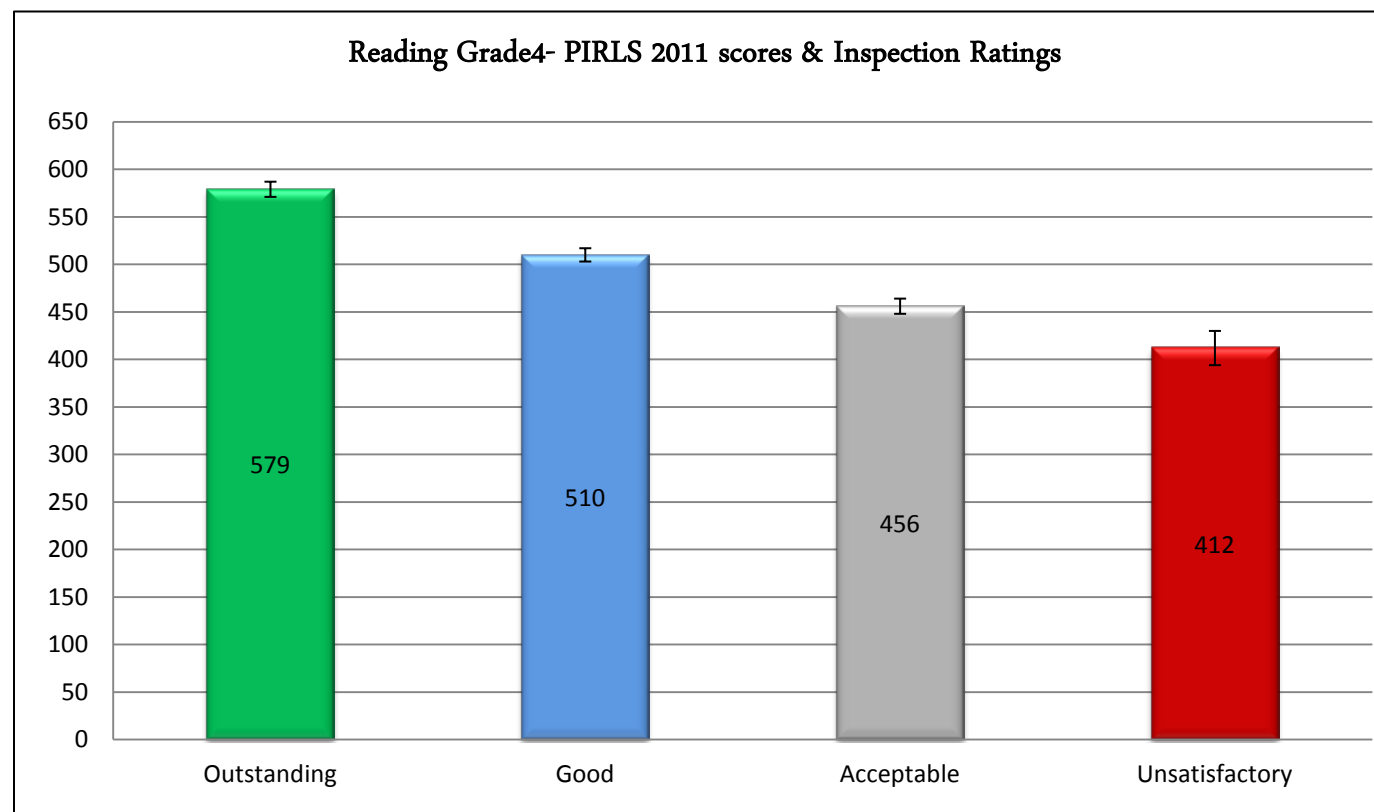
Grade 8 Mathematics – TIMSS 2011 & Inspection Ratings



Grade 8 Science – TIMSS 2011 & Inspection Ratings



Correlating TIMSS/PIRLS 2011 with inspection's results



5. Empowering schools

- a) Sharing results and best practice
- b) TIMSS/PIRLS 2011 Individual School report
- c) Using school inspections
to promote the use of international assessments'
data



a) Sharing results and best practice



What Works' events:

- Sharing results and key findings from TIMSS/ PIRLS 2011
- High performing schools sharing best practices



b) TIMSS and PIRLS 2011 Individual School Reports

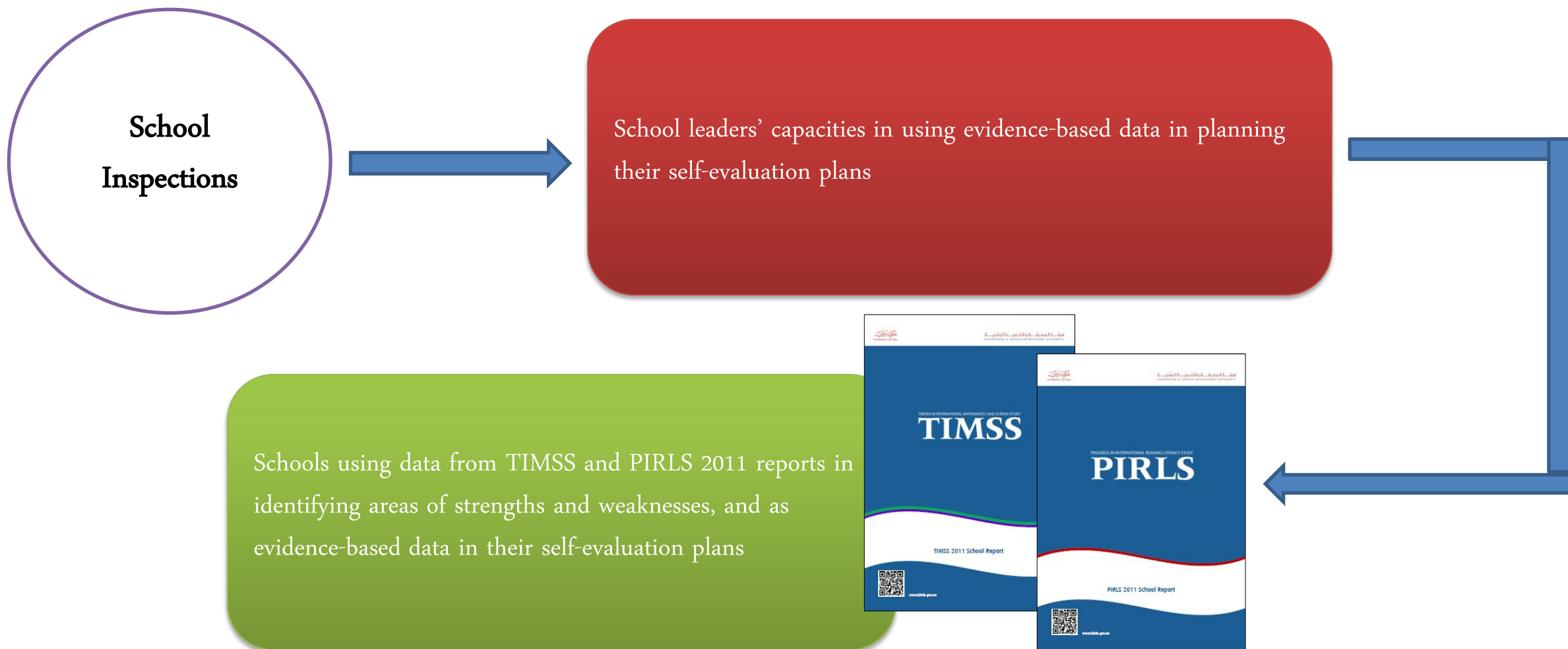
Student achievement:

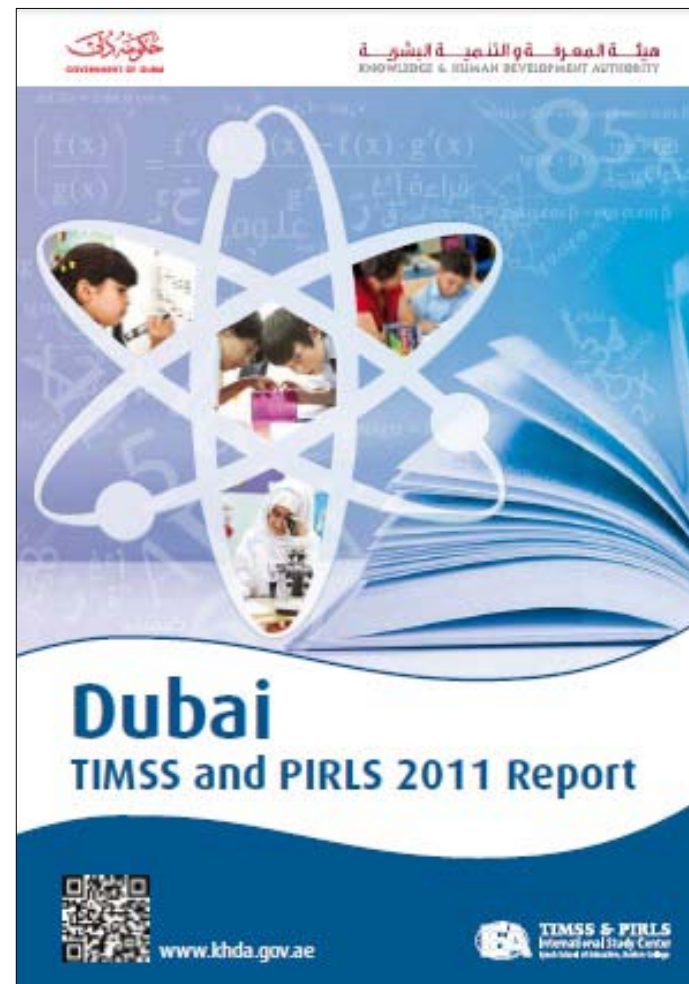
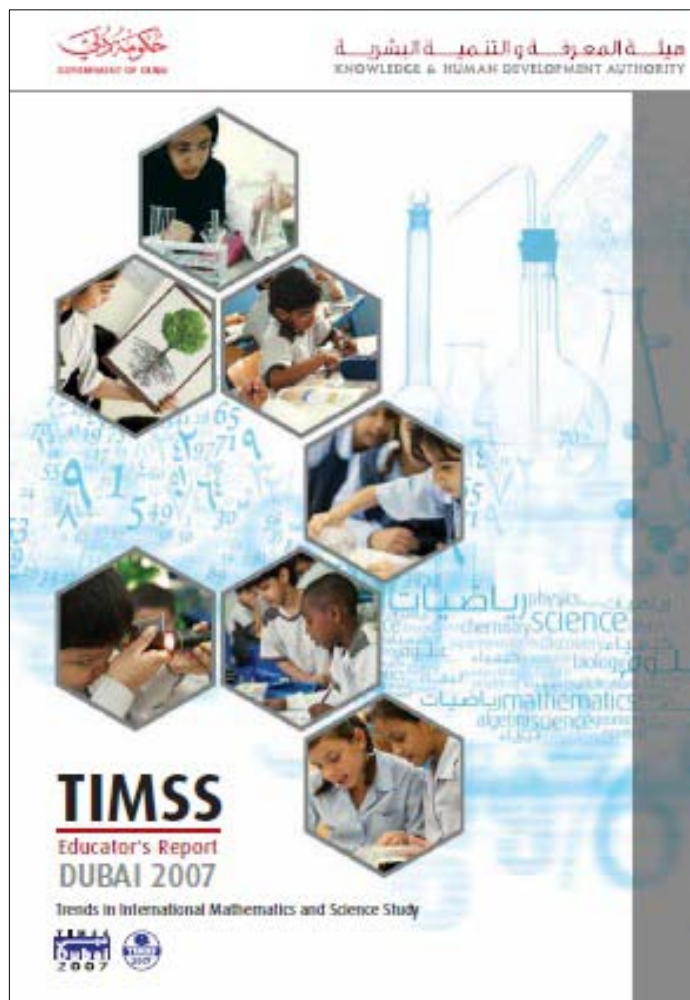
- All participating schools in Dubai
- Schools offering the same curricula
- Achievements against TIMSS/PIRLS benchmarks
- Gender differentials
- Achievements in Content and Cognitive Domains/ Reading Purposes and Processes

Reports were presented in: TIMSS/PIRLS 2011 School workshops



c) Using school inspections to promote the use of international assessments' data





Thank you!

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