

Holistic Educational Solutions



Educational resource development in Singapore

16 April 2015

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Head – International Markets



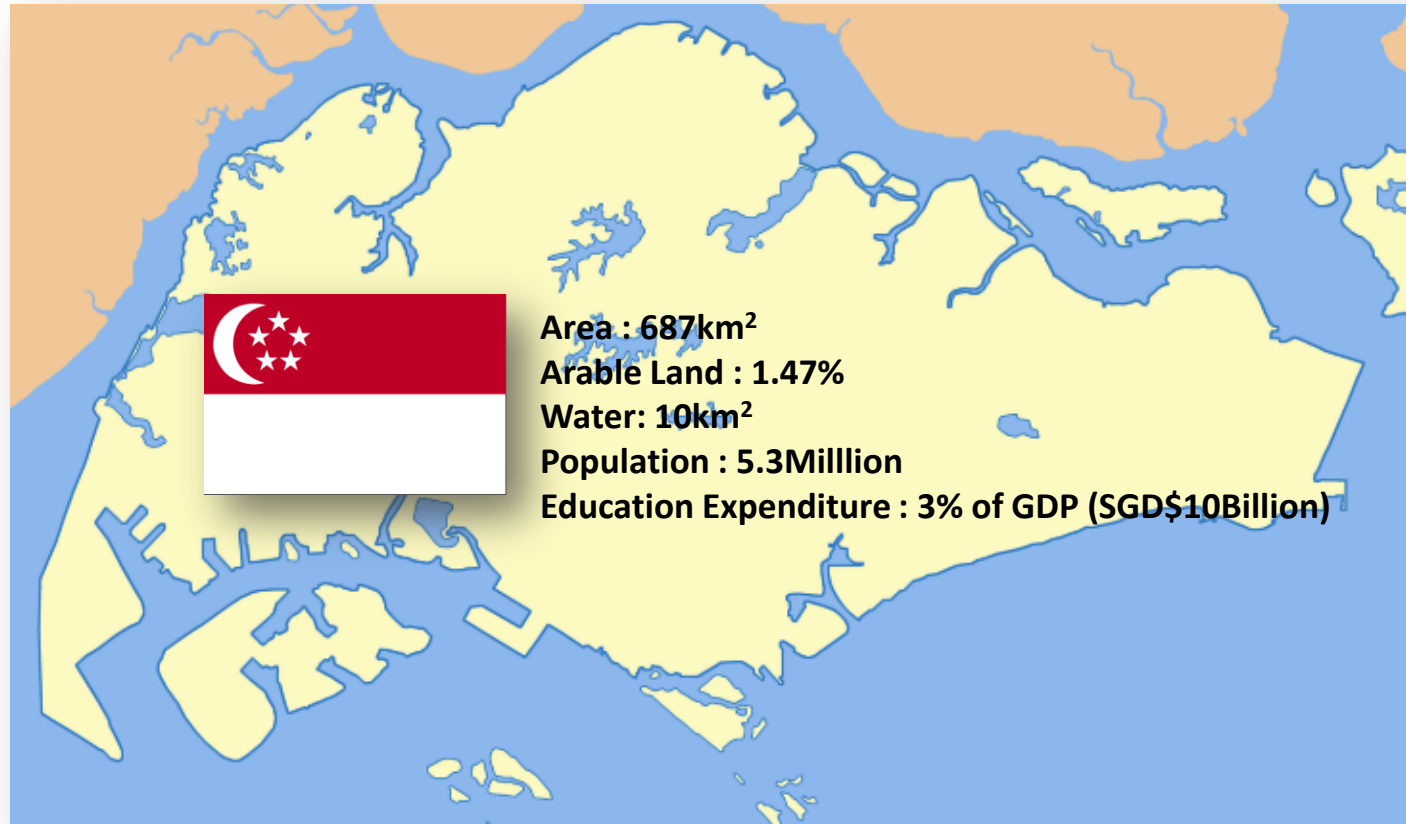
... high quality in the Singapore and Hong Kong texts, such as the extended application of maths and reflective activities in the Singapore texts... The coherence with the national curricula in each setting, and the strength of the pedagogic model promoted by the text, is impressive.

”

*Prof. Tim Oates,
Group Director of Assessment Research & Development, Cambridge Assessment
“Why Textbooks Count” – November 2014*



How Education in Singapore Has Evolved



NO Natural Resources

Singapore Schools In The Past



1960s

Only 45% passed the 1st Primary School Leaving Examination

1970s

Drop out rate was as high as 56%
- Out of 1,000 pupils entering Primary 1, only 440 reached Secondary 4 after 10 years





- **Since 1995:**
Ranked top in
TIMSS for Maths
performance
- **2012:** Top ranking
for creative
problem-solving
skills





Our Students Top International Studies

Our quality materials and holistic approach have successfully produced top student achievers.



“Over 70% of Singapore students performed better than the international average”

– TIMSS since 1995

“High performance across Reading, Maths and Science”

– PISA 2012

“No. 1 in Math and Science Education”

– Global Competitiveness Report 2009-2010



Trends in International Mathematics and Science Study (TIMSS)
1995, 1999,
2003, 2007, 2011

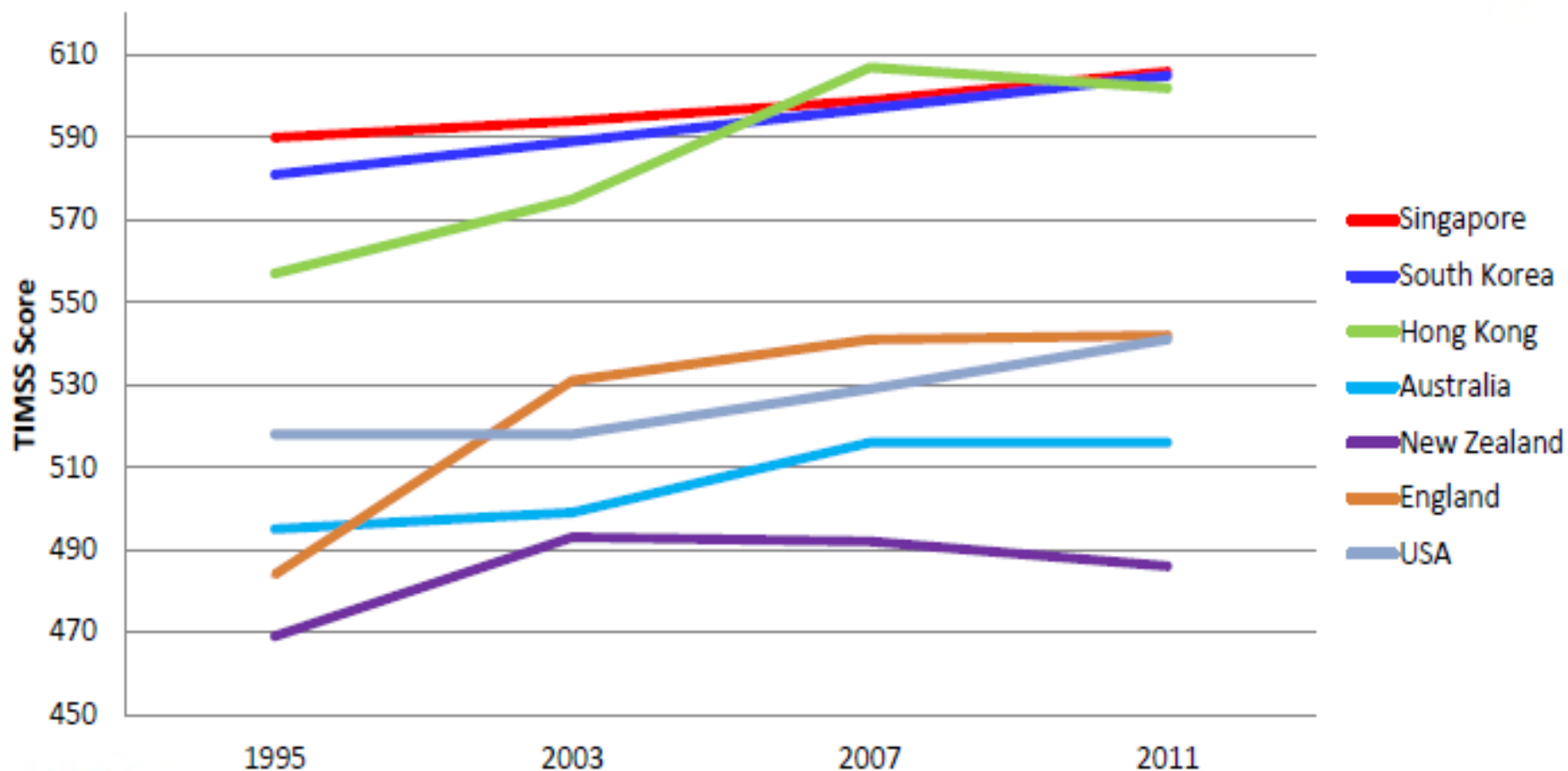
Programme for International Student Assessment (PISA)
2009, 2012

Progress in International Reading Literacy Study (PIRLS)
2001, 2006

Global Competitiveness Report
2009 – 2010,
2010 – 2011

Trends in International Maths and Science Study (TIMSS)

Year 4 results 1995 to 2011





Trends in Mathematics and Science Study

Exhibit 3.3: Achievement in Mathematics Cognitive Domains

TIMSS 2011
Mathematics **4th Grade**

Country	Overall Mathematics Average Scale Score	Knowing			Applying			Reasoning		
		Average Scale Score	Difference from Overall Mathematics Score		Average Scale Score	Difference from Overall Mathematics Score		Average Scale Score	Difference from Overall Mathematics Score	
² Singapore	606 (3.2)	629 (3.5)	23 (1.4)	▲	602 (3.4)	−4 (1.1)	▼	588 (3.7)	−18 (1.2)	▼
Korea, Rep. of	605 (1.9)	614 (2.0)	9 (1.6)	▲	600 (2.2)	−5 (2.1)	▼	603 (2.3)	−2 (1.5)	
² Hong Kong SAR	602 (3.4)	619 (3.2)	17 (1.2)	▲	597 (3.2)	−4 (0.8)	▼	589 (3.4)	−13 (1.4)	▼
Chinese Taipei	591 (2.0)	599 (2.1)	8 (1.6)	▲	593 (2.0)	2 (1.0)	▲	577 (2.5)	−14 (2.0)	▼
Japan	585 (1.7)	590 (1.7)	5 (1.0)	▲	579 (1.6)	−6 (1.1)	▼	592 (2.0)	6 (1.0)	▲

† Northern Ireland
Belgium (Flemish)
Finland
England
Russian Federation
² United States
† Netherlands
² Denmark
¹ Lithuania
Portugal
Germany
Ireland
² Serbia
Australia
Hungary

Exhibit 3.4: Achievement in Mathematics Cognitive Domains

TIMSS 2011
Mathematics **8th Grade**

Country	Overall Mathematics Average Scale Score	Knowing		Applying		Reasoning	
		Average Scale Score	Difference from Overall Mathematics Score	Average Scale Score	Difference from Overall Mathematics Score	Average Scale Score	Difference from Overall Mathematics Score
Korea, Rep. of	613 (2.9)	616 (2.9)	3 (1.9)	617 (2.9)	4 (1.1) ▲	612 (2.5)	0 (1.0)
² Singapore	611 (3.8)	617 (3.8)	6 (1.0) ▲	613 (3.9)	2 (0.7) ▲	604 (4.3)	-7 (1.0) ▼
Chinese Taipei	609 (3.2)	611 (3.7)	2 (1.4)	614 (3.5)	5 (1.7) ▲	609 (3.4)	0 (1.5)
Hong Kong SAR	586 (3.8)	591 (3.9)	6 (1.2) ▲	587 (3.7)	2 (1.0)	580 (3.9)	-6 (1.1) ▼
Japan	570 (2.6)	558 (2.7)	-12 (1.5) ▼	574 (2.5)	4 (1.3) ▲	579 (3.0)	9 (1.8) ▲
² Russian Federation	539 (3.6)	548 (3.6)	9 (1.0) ▲	538 (3.5)	-1 (1.3)	531 (3.7)	-8 (1.2) ▼
³ Israel	516 (4.1)	516 (4.1)	0 (1.1)	513 (4.4)	-3 (1.4) ▼	520 (4.0)	4 (1.7) ▲
Finland	514 (2.5)	508 (2.5)	-6 (1.0) ▼	520 (2.5)	6 (1.4) ▲	512 (2.7)	-2 (1.5)
² United States	509 (2.6)	519 (2.7)	10 (0.8) ▲	503 (2.8)	-6 (1.0) ▼	503 (2.7)	-6 (0.7) ▼
[†] England	507 (5.5)	501 (5.4)	-5 (1.1) ▼	508 (5.5)	2 (1.2)	510 (5.5)	3 (2.0)
Hungary	505 (3.5)	507 (3.8)	2 (1.6)	505 (3.5)	0 (1.2)	502 (3.7)	-3 (0.8) ▼
Australia	505 (5.1)	504 (5.1)	-1 (1.1)	506 (4.8)	1 (1.0)	506 (4.9)	1 (1.0)
Slovenia	505 (2.2)	508 (2.4)	3 (1.1) ▲	502 (2.1)	-2 (0.7) ▼	500 (2.7)	-5 (1.3) ▼
¹ Lithuania	502 (2.5)	502 (2.6)	-1 (1.1)	508 (2.4)	5 (1.0) ▲	493 (2.5)	-10 (1.9) ▼
Italy	498 (2.4)	494 (2.6)	-4 (0.8) ▼	503 (2.2)	4 (1.0) ▲	496 (2.6)	-2 (1.0) ▼
New Zealand	488 (5.5)	481 (5.6)	-7 (1.1) ▼	491 (5.0)	3 (1.3) ▲	494 (5.3)	6 (1.6) ▲
Kazakhstan	487 (4.0)	489 (4.4)	2 (1.3)	484 (4.2)	-3 (1.0) ▼	482 (4.7)	-5 (2.1) ▼
Sweden	484 (1.9)	478 (2.0)	-7 (1.5) ▼	489 (2.2)	5 (1.0) ▲	478 (2.4)	-7 (1.1) ▼
Ukraine	479 (3.9)	481 (4.4)	2 (1.7)	480 (4.3)	1 (1.8)	467 (4.2)	-12 (1.8) ▼

atics and Science Study – TIMSS 2011

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011

Trends in Mathematics and Science Study

TIMSS 2011 4th Grade Science

Exhibit 3.3: Achievement in Science Cognitive Domains

Country	Overall Science Average Scale Score	Knowing			Applying			Reasoning		
		Average Scale Score	Difference from Overall Science Score		Average Scale Score	Difference from Overall Science Score		Average Scale Score	Difference from Overall Science Score	
Korea, Rep. of	587 (2.0)	570 (2.0)	-17 (1.5) ▼		593 (1.9)	7 (1.3) ▲		605 (3.0)	18 (3.6) ▲	
² Singapore	583 (3.4)	570 (3.4)	-13 (1.2) ▼		590 (4.0)	6 (1.6) ▲		597 (3.8)	13 (1.8) ▲	
Finland	570 (2.6)	579 (2.5)	9 (1.7) ▲		568 (2.3)	-2 (1.9)		560 (3.2)	-10 (2.4) ▼	
Japan	559 (1.9)	538 (1.8)	-21 (1.4) ▼		562 (1.6)	4 (1.8) ▲		591 (2.0)	33 (2.2) ▲	
Russian Federation	552 (3.5)	553 (3.8)	1 (1.2)		556 (3.6)	4 (1.2) ▲		542 (4.2)	-11 (2.9) ▼	
Chinese Taipei	552 (2.2)	542 (2.7)	-10 (1.5) ▼		552 (3.1)	1 (2.1)		568 (3.2)	16 (2.4) ▲	

Mathematics and Science Study – TIMSS 2011

- ² United States
- Czech Republic
- ² Hong Kong SAR
- Hungary
- Sweden
- Slovak Republic
- Austria
- ¹ Netherlands
- England
- ² Denmark
- Germany
- Italy
- Portugal

Exhibit 3.4: Achievement in Science Cognitive Domains

TIMSS 2011 8th Grade Science

Country	Overall Science Average Scale Score	Knowing			Applying			Reasoning		
		Average Scale Score	Difference from Overall Science Score		Average Scale Score	Difference from Overall Science Score		Average Scale Score	Difference from Overall Science Score	
² Singapore	590 (4.3)	588 (4.9)	-2 (1.7)		589 (4.4)	-1 (0.9)		592 (4.5)	2 (1.6)	
Chinese Taipei	564 (2.3)	569 (2.7)	5 (1.9) ▲		570 (2.7)	6 (1.0) ▲		551 (2.9)	-13 (1.6) ▼	
Korea, Rep. of	560 (2.0)	554 (2.9)	-7 (2.2) ▼		561 (2.0)	1 (0.8)		564 (2.2)	3 (1.7) ▲	
Japan	558 (2.4)	541 (2.7)	-17 (2.2) ▼		561 (2.4)	3 (1.2) ▲		568 (2.3)	10 (1.0) ▲	
Finland	552 (2.5)	564 (3.0)	12 (2.1) ▲		549 (2.5)	-4 (1.1) ▼		547 (3.4)	-5 (2.8)	
Slovenia	543 (2.7)	551 (2.7)	8 (1.9) ▲		542 (2.6)	-1 (1.7)		536 (2.7)	-7 (1.9) ▼	
² Russian Federation	542 (3.2)	557 (3.9)	15 (1.9) ▲		539 (3.5)	-4 (1.3) ▼		533 (3.3)	-10 (1.5) ▼	
Hong Kong SAR	535 (3.4)	544 (3.3)	9 (1.6) ▲		529 (3.5)	-6 (1.2) ▼		538 (4.1)	3 (2.0)	
¹ England	533 (4.9)	533 (5.1)	0 (1.6)		531 (4.7)	-2 (1.3)		537 (4.8)	4 (1.5) ▲	
² United States	525 (2.6)	527 (2.8)	3 (1.3) ▲		522 (2.3)	-2 (0.7) ▼		524 (2.5)	-1 (0.7)	
Hungary	522 (3.1)	511 (3.3)	-12 (1.6) ▼		532 (3.5)	10 (1.3) ▲		518 (3.4)	-4 (1.2) ▼	
Australia	519 (4.8)	514 (5.4)	-5 (1.4) ▼		517 (4.8)	-2 (0.9) ▼		526 (5.2)	7 (2.0) ▲	
³ Israel	516 (4.0)	518 (4.2)	2 (1.1)		512 (4.1)	-4 (1.2) ▼		519 (4.4)	3 (1.7) ▲	
¹ Lithuania	514 (2.6)	516 (2.3)	2 (1.4)		512 (2.3)	-2 (1.3)		513 (2.6)	-1 (1.5)	
New Zealand	512 (4.6)	511 (5.0)	-1 (1.7)		509 (4.3)	-3 (1.3) ▼		515 (4.7)	3 (1.6) ▲	
Sweden	509 (2.5)	512 (2.4)	2 (1.6)		508 (2.6)	-2 (0.8) ▼		510 (2.9)	0 (1.6)	

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011



Programme for International Student Assessment

PISA

WHAT STUDENTS KNOW AND CAN DO: STUDENT PERFORMANCE IN MATHEMATICS, READING AND SCIENCE

Snapshot of performance in mathematics, reading and science

- Countries/economies with a mean performance/share of top performers above the OECD average
Countries/economies with a share of low achievers below the OECD average
- Countries/economies with a mean performance/share of low achievers/share of top performers not statistically significantly different from the OECD average
- Countries/economies with a mean performance/share of top performers below the OECD average
Countries/economies with a share of low achievers above the OECD average

	Mathematics				Reading		Science	
	Mean score in PISA 2012	Share of low achievers in mathematics (Below Level 2)	Share of top performers in mathematics (Level 5 or 6)	Annualised change in score points	Mean score in PISA 2012	Annualised change in score points	Mean score in PISA 2012	Annualised change in score points
OECD average	494	23.1	12.6	-0.3	496	0.3	501	0.5
Shanghai-China	613	3.8	55.4	4.2	570	4.6	580	1.8
Singapore	573	8.3	40.0	3.8	542	5.4	551	3.3
Hong Kong-China	561	8.5	33.7	1.3	545	2.3	555	2.1
Chinese Taipei	560	12.8	37.2	1.7	523	4.5	523	-1.5
Korea	554	9.1	30.9	1.1	536	0.9	538	2.6
Macao-China	538	10.8	24.3	1.0	509	0.8	521	1.6
Japan	536	11.1	23.7	0.4	538	1.5	547	2.6
Liechtenstein	535	14.1	24.8	0.3	516	1.3	525	0.4
Switzerland	531	12.4	21.4	0.6	509	1.0	515	0.6
Netherlands	523	14.8	19.3	-1.6	511	-0.1	522	-0.5
Estonia	521	10.5	14.6	0.9	516	2.4	541	1.5
Finland	519	12.3	15.3	-2.8	524	-1.7	545	-3.0
Canada	518	13.8	16.4	-1.4	523	-0.9	525	-1.5

Achievements In International Studies/News

PISA 2012

Result Shows That Singapore Students Are Ready to Thrive in the 21st Century!

Singapore moves up in PISA rankings as weaker students improve



Students having a lesson in a classroom in Ngee Ann Secondary School. Photo: Ernest Chua.

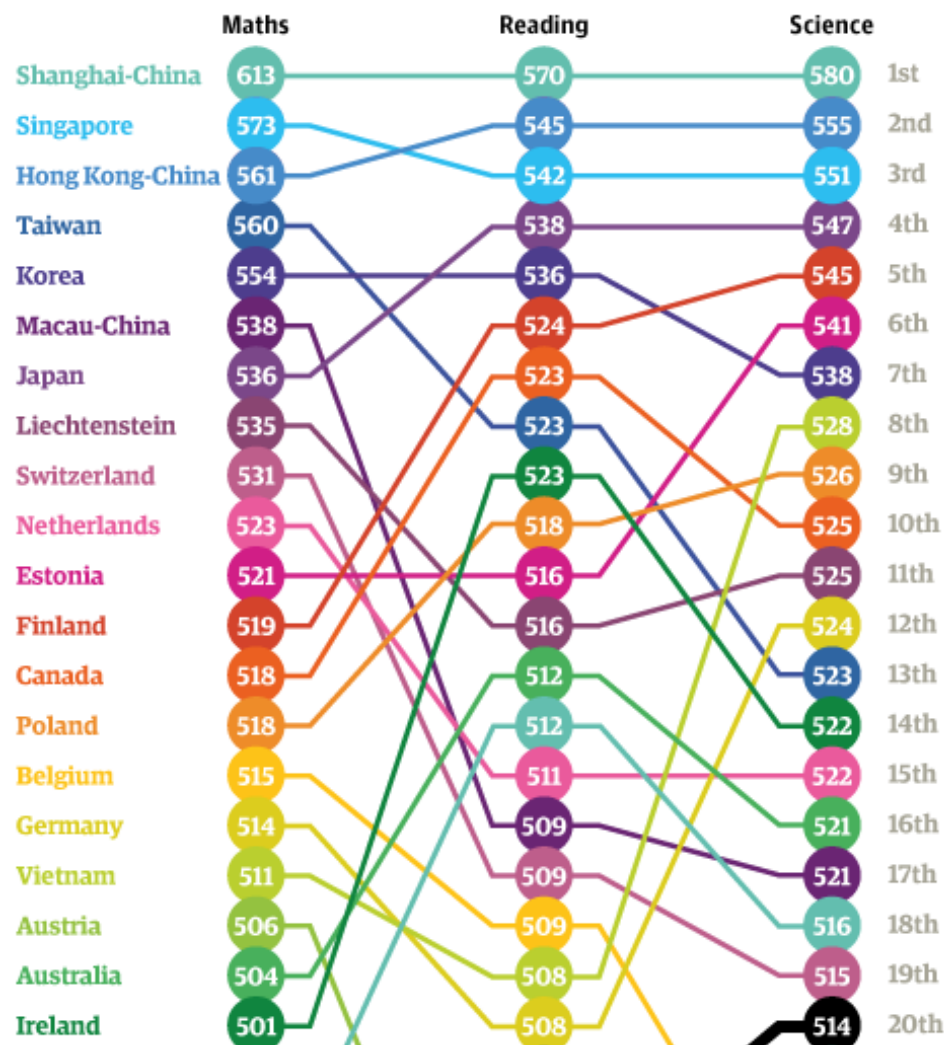




Exhibit 1.1: Distribution of Reading Achievement

PIRLS 2011 **4th Grade**

Country	Average Scale Score		Reading Achievement Distribution				
³ Hong Kong SAR	571 (2.3)	○					
Russian Federation	568 (2.7)	○					
Finland	568 (1.9)	○					
² Singapore	567 (3.3)	○					
[†] Northern Ireland	558 (2.4)	○					
² United States	556 (1.5)	○					
² Denmark	554 (1.7)	○					
² Croatia	553 (1.9)	○					
Chinese Taipei	553 (1.9)	○					
Ireland	552 (2.3)	○					
[†] England	552 (2.6)	○					
² Canada	548 (1.6)	○					
[†] Netherlands	546 (1.9)	○					
Czech Republic	545 (2.2)	○					
Sweden	542 (2.1)	○					
Italy	541 (2.2)	○					
Germany	541 (2.2)	○					
³ Israel	541 (2.7)	○					
Portugal	541 (2.6)	○					
Hungary	539 (2.9)	○					
Slovak Republic	535 (2.8)	○					
Bulgaria	532 (4.1)	○					
New Zealand	531 (1.9)	○					
Slovenia	530 (2.0)	○					
Austria	529 (2.0)	○					
^{1 2} Lithuania	528 (2.0)	○					
Australia	527 (2.2)	○					
Poland	526 (2.1)	○					
France	520 (2.6)	○					
Spain	513 (2.3)	○					
[†] Norway	507 (1.9)	○					
² [†] Belgium (French)	506 (2.9)	○					



A World Leader in Education – Research reports



American Institute For Research – 2005

What the United States can learn from Singapore's world class mathematics system



Mckinsey & Company – 2007

How the worlds's best-performing school system comes out top



Aspen Institute Education and Society Program – 2008

Rethinking human capital in education : Singapore as a model for teacher development



The Global Competitiveness report

World Economic Forum - 2010

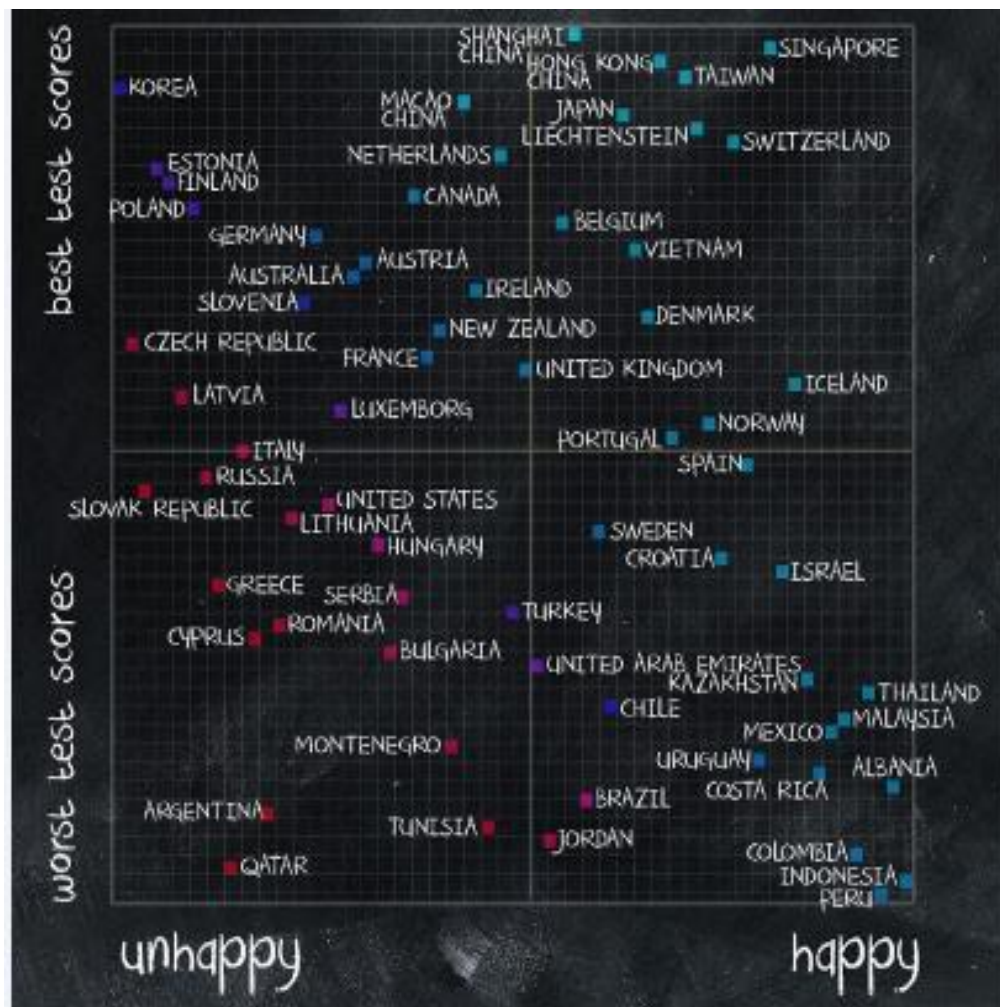
Source PISA 2012

The best schools and the happiest kids

It's not about drill or 'hothousing'.

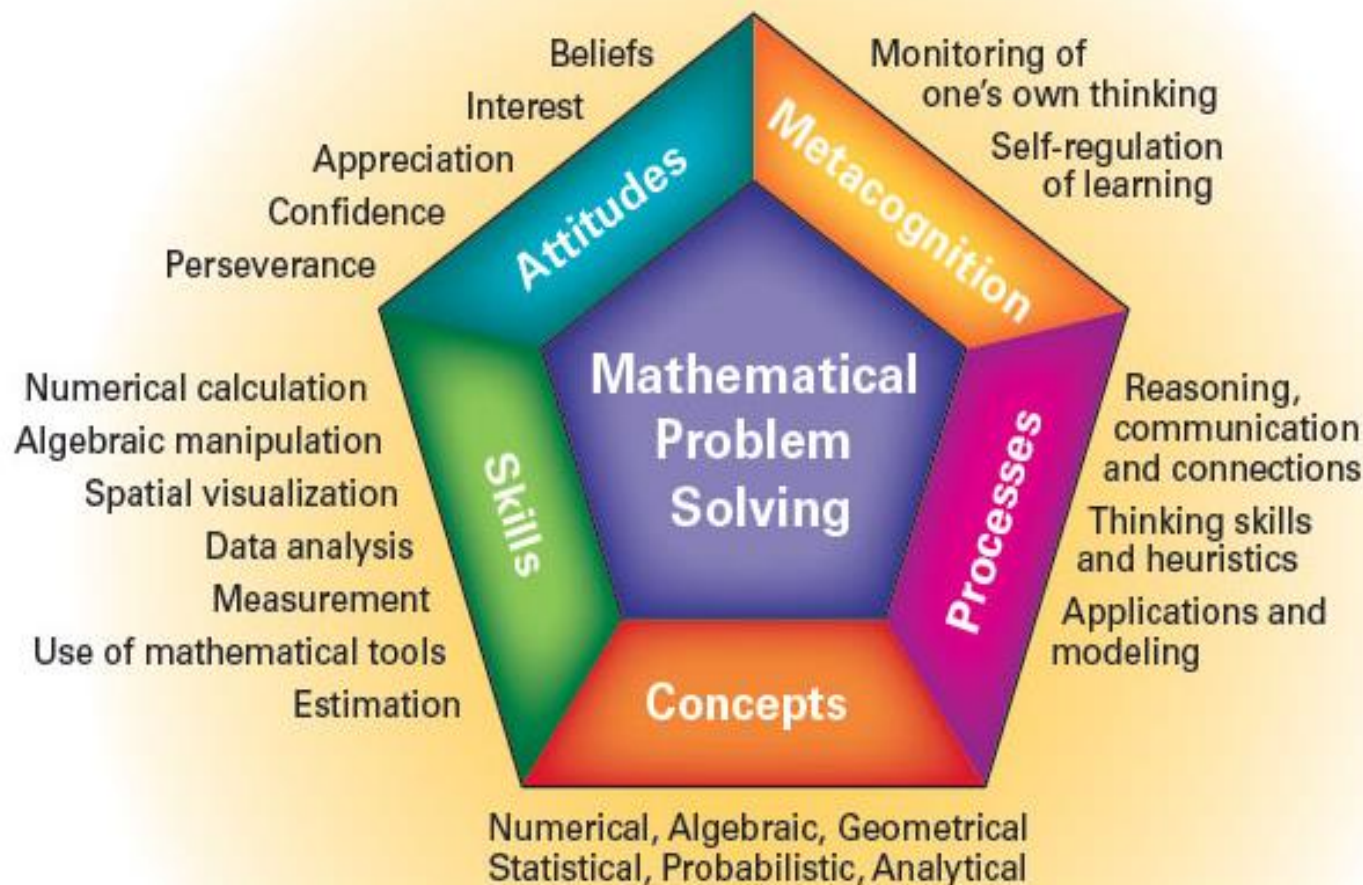
It is about:

- Engagement
- Mastery



Teaching Mathematics Pedagogy

- Singapore Mathematics Curriculum Framework



Teaching Mathematics Pedagogy

Mathematics is an **excellent vehicle for the development and improvement of a person's intellectual competence** in logical reasoning, spatial visualisation, analysis and abstract thought.

”

Mathematics Syllabus, Primary
Ministry of Education, Singapore

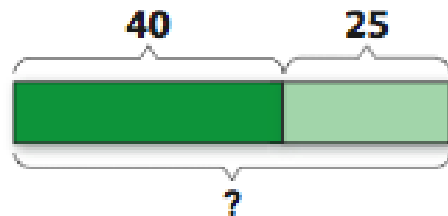
Teaching Mathematics Pedagogy

Content Development for Singapore Math

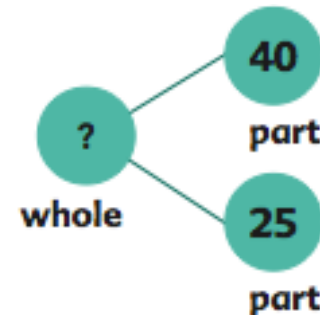
- Concrete → Pictorial → Abstract approach to understand concepts.



- Model Method to visualise, see connections, solve problems.



To find the whole, we add.



Mrs Brown baked some cakes. She sold $\frac{3}{4}$ of the cakes and gave $\frac{1}{2}$ of the remaining cakes to her neighbours. She is left with 6 cakes. How many cakes did Mrs Brown bake?

No. of cakes = y

No. of cakes sold = $\frac{3}{4}y$

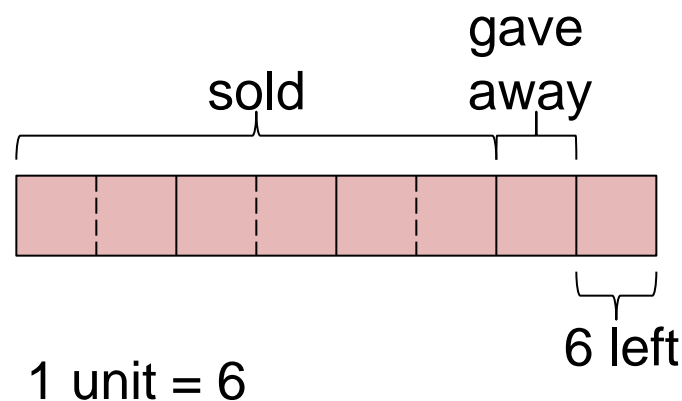
No. of cakes left =

$$\frac{1}{4}y \times \frac{1}{2} = 6$$

$$\frac{1}{8}y = 6$$

$$y = 48$$

Mrs Brown baked 48 cakes.



$$1 \text{ unit} = 6$$

$$8 \text{ units} = 6 \times 8 = 48$$

Mrs Brown baked 48 cakes.



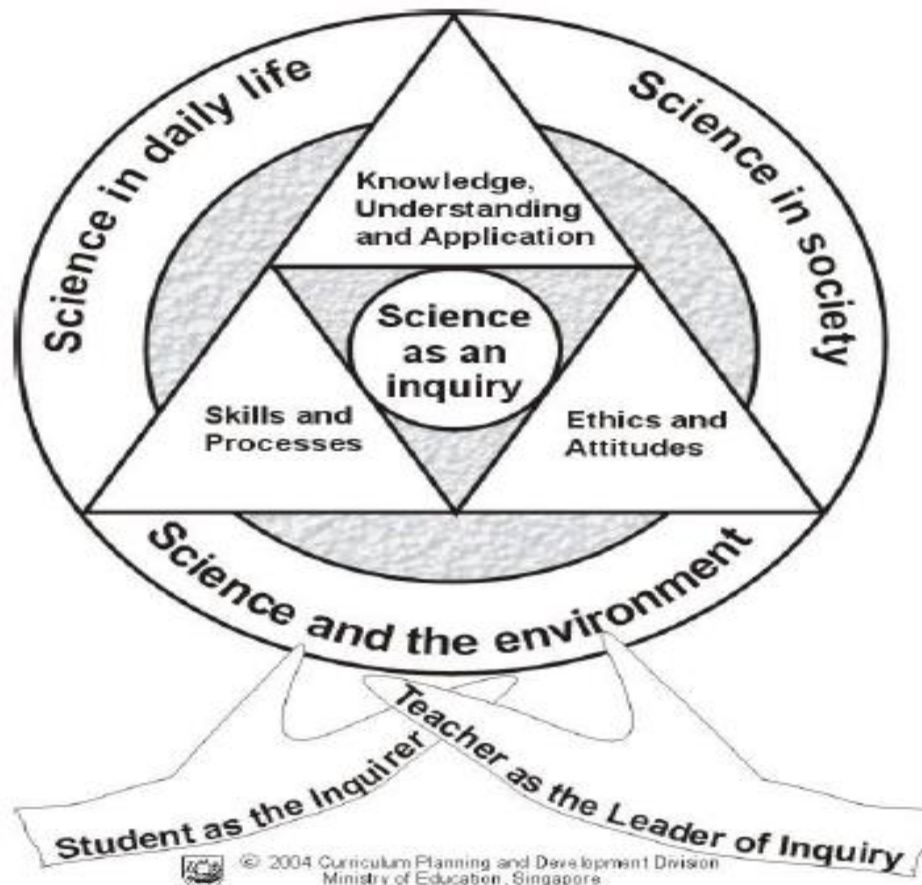
Teaching Mathematics Pedagogy

– Content Development for Singapore Math

- Metacognition
 - Monitoring of one's own thinking to promote logical thinking, reflection and communication
- Spiral approach
 - Topics are reviewed at higher grades and at increasing levels of difficulty to build a strong foundation
- Teaching to Mastery
 - Each topic is covered in detail to focus on pupils' deep understanding

Teaching Science Pedagogy

– Singapore Science Curriculum Framework



Teaching Science Pedagogy

It encapsulates the thrust of science education in Singapore to **prepare our students to be sufficiently adept as effective citizens**, able to function in and contribute to an increasingly technologically-driven world. ”

Science Syllabus, Primary
Ministry of Education, Singapore



Teaching Science Pedagogy

- Inquiry Based Learning

- Inquiry based with learning centered around students' questions.

Engagement – setting the stage for learning

Exploration – developing concepts through hands-on activities

Explanation – communicating and checking understanding

Elaboration – Applying concepts in context and extending understanding

Evaluation – Summing up meaningfully



Textbook Publishing Model (Singapore)



Textbook Authorisation

1. MOE releases syllabus requirements
2. Publishers submit sample content based on requirements
3. Review and Approval of textbooks (usually two or more)

Collaborative Publishing

MOE works with publisher in-depth to co-develop content
(Usually awarded to one or at most two publishers)

Tender

1. MOE releases syllabus requirements
2. Publishers submit sample content based on requirements
3. Review and Approval of ONE textbook

Approved Textbook List (MOE – Singapore)

Current Titles - Primary (Approved Textbook List)

Subject	Title	Level / Course	Book Type/ Volume	Publisher	Period Approved	Edition	Section
MATHEMATICS	My Pals are Here! Maths	P2	Workbook 2A	Marshall Cavendish Education (formerly MCIS)	2014 - 2018	3E	Student Material
MATHEMATICS	My Pals are Here! Maths	P2	Workbook 2B	Marshall Cavendish Education (formerly MCIS)	2014 - 2018	3E	Student Material
MATHEMATICS	My Pals are Here! Maths	P4	Workbook 4A	Marshall Cavendish Education (formerly MCIS)	2007 - 2015	2E	Student Material
MATHEMATICS	My Pals are Here! Maths	P4	Workbook 4B	Marshall Cavendish Education (formerly MCIS)	2007 - 2015	2E	Student Material
MATHEMATICS	My Pals are Here! Maths	P5	Workbook 5A	Marshall Cavendish Education (formerly MCIS)	2008 - 2016	2E	Student Material
MATHEMATICS	My Pals are Here! Maths	P5	Workbook 5B	Marshall Cavendish Education (formerly MCIS)	2008 - 2016	2E	Student Material
MATHEMATICS	My Pals are Here! Maths	P6	Workbook 6A	Marshall Cavendish Education (formerly MCIS)	2009 - 2017	2E	Student Material
MATHEMATICS	My Pals are Here! Maths	P6	Workbook 6B	Marshall Cavendish Education (formerly MCIS)	2009 - 2017	2E	Student Material
MATHEMATICS	My Pals are Here! Maths Pupil's Book (3rd Edition)	P3	Textbook 3A	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Pupil's Book (3rd Edition)	P3	Textbook 3B	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Workbook (3rd Edition)	P3	Workbook 3A	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Workbook (3rd Edition)	P3	Workbook 3B	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P4	Textbook 4A	Shing Lee Publishers Pte Ltd	2007 - 2015	1E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P4	Textbook 4B	Shing Lee Publishers Pte Ltd	2007 - 2015	1E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P5	Textbook 5A	Shing Lee Publishers Pte Ltd	2008 - 2016	1E	Student Material

Current Titles - Secondary (Approved Textbook List)

Subject	Title	Level / Course	Book Type/
CHEMISTRY	All About Science (Chemistry) O-Level	S5NA	Practical Workbook
CHEMISTRY	All About Science (Chemistry) O-Level	S3E,S4E	Textbook
CHEMISTRY	All About Science (Chemistry) O-Level	S5NA	Textbook
CHEMISTRY	All About Science (Chemistry) O-Level	S3E,S4E	Theory Workbook
CHEMISTRY	All About Science (Chemistry) O-Level	S5NA	Theory Workbook
CHEMISTRY	Chemistry Matters for GCE 'O' Level (2nd Edition)	S3E,S4E	Practical Workbook
CHEMISTRY	Chemistry Matters for GCE 'O' Level (2nd Edition)	S3E,S4E	Textbook
CHEMISTRY	Chemistry Matters for GCE 'O' Level (2nd Edition)	S3E,S4E	Theory Workbook
CHEMISTRY	Discover Chemistry for GCE O-Level Science (2nd Edition)	S3E,S4E	Practical Workbook
CHEMISTRY	Discover Chemistry for GCE O-Level Science (2nd Edition)	S3E,S4E	Textbook
CHEMISTRY	Discover Chemistry for GCE O-Level Science (2nd Edition)	S3E,S4E	Theory Workbook
CHEMISTRY	Discover Chemistry for Normal (Academic) (2nd Edition)	S3NA,S4NA	Practical Workbook
CHEMISTRY	Discover Chemistry for Normal (Academic) (2nd Edition)	S5NA	Practical Workbook

MATHEMATICS	My Pals are Here! Maths Pupil's Book (3rd Edition)	P3	Textbook 3A	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Pupil's Book (3rd Edition)	P3	Textbook 3B	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Workbook (3rd Edition)	P3	Workbook 3A	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	My Pals are Here! Maths Workbook (3rd Edition)	P3	Workbook 3B	Marshall Cavendish Education (formerly MCIS)	2015 - 2019	3E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P4	Textbook 4A	Shing Lee Publishers Pte Ltd	2007 - 2015	1E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P4	Textbook 4B	Shing Lee Publishers Pte Ltd	2007 - 2015	1E	Student Material
MATHEMATICS	New Syllabus Primary Mathematics	P5	Textbook 5A	Shing Lee Publishers Pte Ltd	2008 - 2016	1E	Student Material

Holistic Educational Solutions

Beyond a sound curriculum, there is a need for a **holistic approach to education** that includes the innovative use of technology and professional development programmes to support educators.



Curriculum Content

Extensive & Exclusive

- Comprehensive range of materials based on **sound pedagogy**
- Carefully developed to **cater to different learning abilities**
- **Teaching resources available** alongside to ensure effective use



Digital Solutions

Innovative & Engaging

- Engaging digital elements to make learning and teaching dynamic
- Supports independent and self-directed learning
- Teacher resources are incorporated to facilitate lesson preparation



Professional Development

Relevant & Responsive

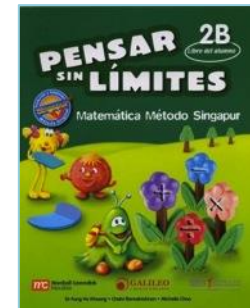
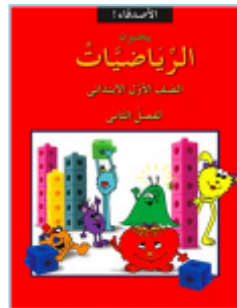
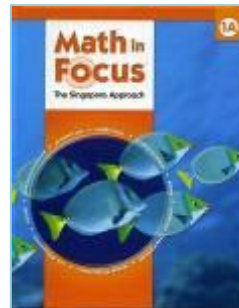
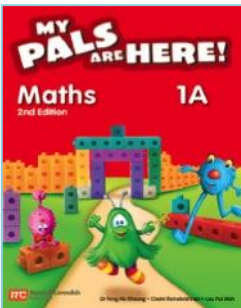
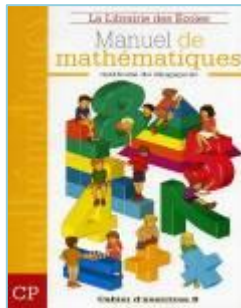
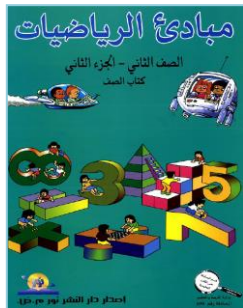
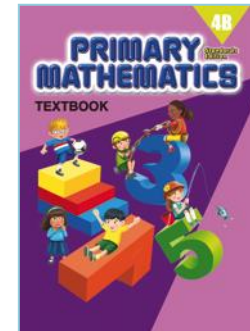
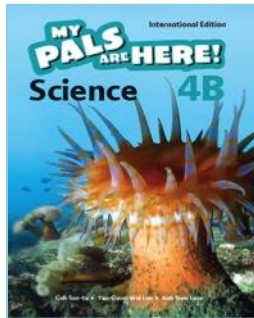
- Customised training to equip teachers
- Comprehensive programmes to enhance teaching and pedagogical knowledge
- Relevant materials to ensure teachers stay up-to-date with the trends in education

Marshall Cavendish Institute
Professional Development.Publications.Research.People



Revolutionising Education Around the World

With the proven success within Singapore, our quality materials are adopted by over 50 countries around the world.



Singapore Curriculum Presence Throughout The World

United States of America



1998

Marshall Cavendish Maths textbooks used in USA since 1998

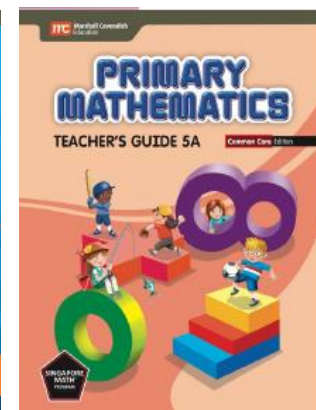
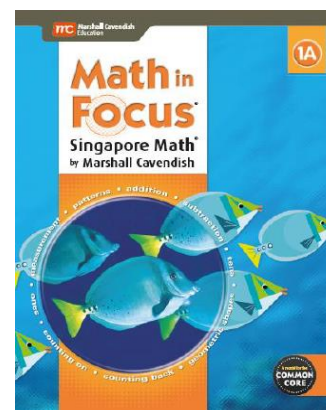
Textbooks are adopted in 50 states, used in about 4,500 schools

Maths textbooks used by schools have proven to improve results

- NJ Ask State Test Results (<http://tinyurl.com/oopek29>)
- Teachers and parents lobbied district to use Marshall Cavendish Maths materials (<http://tinyurl.com/p34vkzl>)

2015

Marshall Cavendish Maths materials have been approved for use by California Department of Education





Singapore Curriculum Presence Throughout The World

Chile



1998

Introduced My Pals Are Here!
Maths into Chile. More than 50%
adoption by bilingual schools.

MOE Chile shares positively in an interview
with CNN on their pilot project with Marshall
Cavendish Education

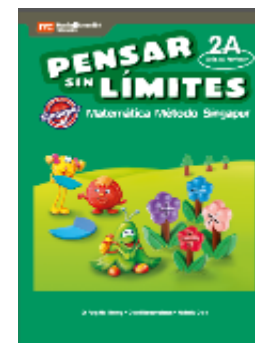
<http://youtu.be/qliw1QDDr1Y>

<https://www.youtube.com/watch?v=voAx8ZToypE&feature=c4-overview&list=UUP-MNun74ayPD4-A-blr8cg>

Pensar Sin Limites was adopted
by more than 16 Public schools

Today, Marshall Cavendish Education
published another series Mi Matematica. The
Grade 2 book is used in all Public Schools.

2015



Singapore Curriculum Presence Throughout The World

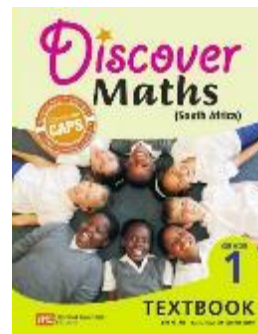
South Africa



2007

Introduced My Pals Are here!
Maths into South Africa

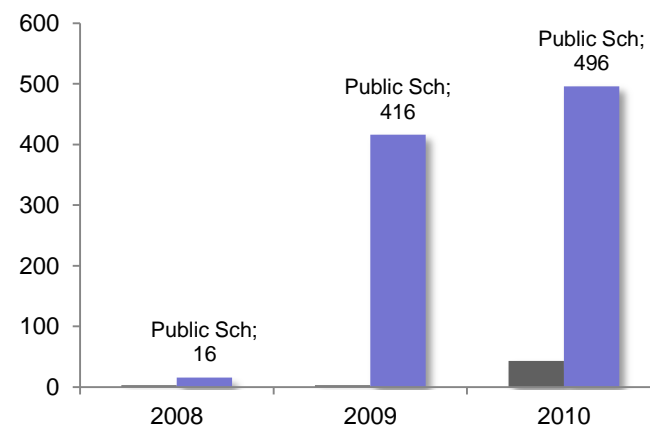
New adoptions up to 16
Public & 3 Private schools



New adoptions up to 400 schools

Marshall Cavendish Singapore
Mathematics was listed in S.A national
book list

2014





Singapore Curriculum Presence Throughout The World

2007

Brunei



Co-published with Brunei's MOE on new instructional materials for Pri 1 - 6



Conducted Specialised professional development workshops for teachers over 3 years



2014

Conducted efficacy studies for over 500 teachers and 1,000 students in Brunei from 2014 - 2017





Singapore Curriculum Presence Throughout The World

2009

United Kingdom

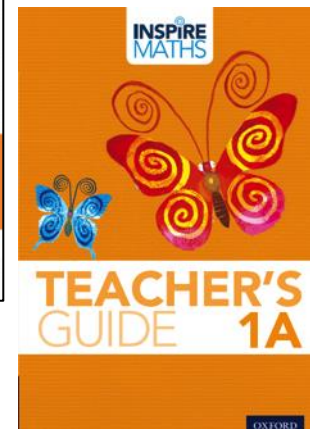
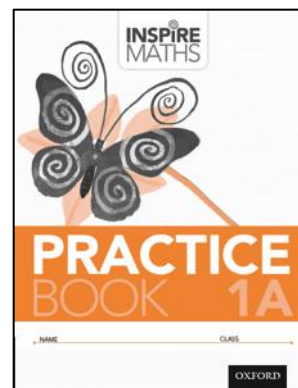
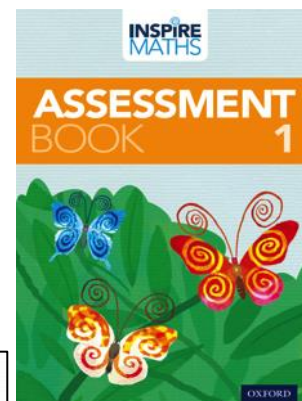
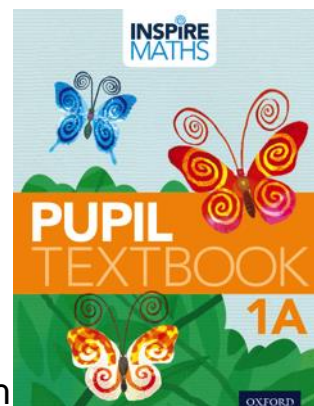


Maths textbooks used in several schools in United Kingdom

Recognised by UK ministers, Elizabeth Truss and Nick Gibb, as a sound model of education pedagogy and quality materials

Partnership with Oxford University Press to develop primary Mathematics materials

2014





Thank You