

MATH & SEMESTER SYSTEM

Class schedules at Secondary Schools in Peel are organized in a Full Block Semester System.

4 Subjects in the Fall Semester

4 New Subjects in the Winter Semester.

What does this Means for Your Student and Math?

	GRADE 9		SUMMER BREAK	GRADE 10		Time Gap Between Math Courses
	FALL SEMESTER (Sept.- Jan.)	WINTER SEMESTER (Feb. – June)		FALL SEMESTER (Sept.- Jan.)	WINTER SEMESTER (Feb. – June)	
1	MATH	-		MATH	-	7 Months
2	-	MATH		-	MATH	7 Months
3	MATH	-		-	MATH	<u>12 Months</u>
4	-	MATH	MATH	-	2 Months	

What does this Means for Your Student and Math?

THE MAJORITY OF STUDENTS in Grades 9 &10

(Approx. 75%)

**WILL HAVE A TIME GAP BETWEEN MATH COURSES
OF 7 MONTHS or MORE**

Gap of 7 MONTHS = 50%

Gap of 12 MONTHS = 25%

What is the Solution?

Teach Math in Grades 9 and 10
All Year Long
A/B Schedule

- Pair Math with another Subject:

Example: (Math + Phys. Ed.*)

(* Other examples: English, Science)

- This pair Taught on Alternate Days
- All Other Subjects (3 per Semester) stay Semestered

What is the Solution?

- Week ONE:

Day 1	Day 2	Day 3	Day 4	Day 1
MATH	PHYS. ED.	MATH	PHYS. ED.	MATH

What is the Solution?

- Week TWO:

Day 2	Day 3	Day 4	Day 1	Day 2
PHYS. ED.	MATH	PHYS. ED.	MATH	PHYS. ED.

Will A/B Yearlong – Work?

Toronto District School Board (TDSB)

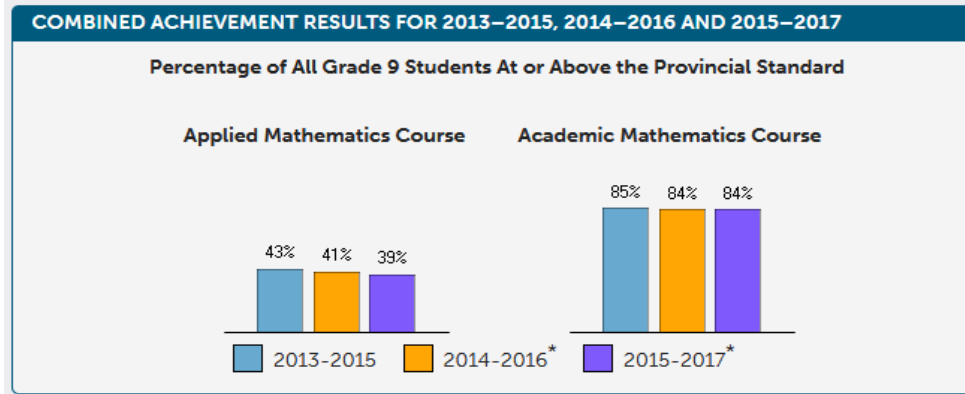
76 Schools in EQAO Testing (2016-17)

48 Semestered Schools

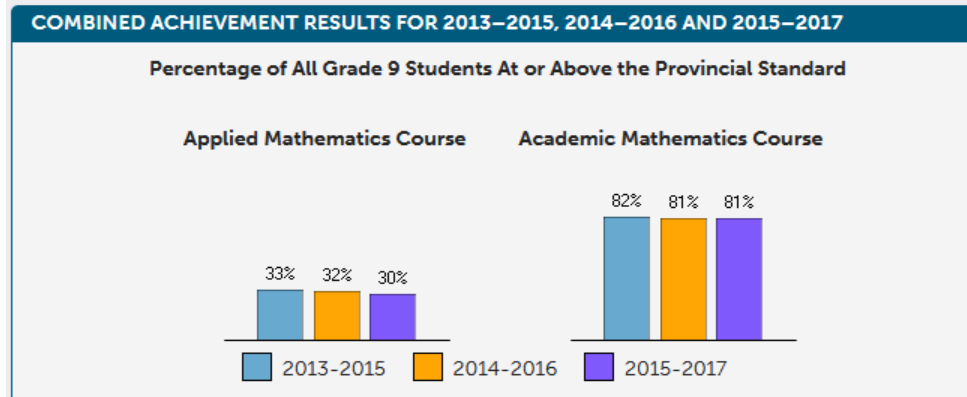
28 A/B Yearlong Schools

EQAO – Test Results

Peel District School Board (66125)



Toronto DSB (66052)



2015-17: **Peel** Applied 39%; Academic 84% / **Toronto** Applied 30%; Academic 81%

EQAO – Test Results

Peel DSB vs. Toronto DSB

Table 1: Assessment of Mathematics Levels 3 & 4, 2016 -2017 (Academic)

Academic Program	Mean (%)	Median (%)	Total Schools	# of Schools Above 80%	% of Schools Above 80%
Peel DSB Semester	83.0	85.0	33	25	75.8%
Toronto DSB Semester	70.3	73.5	48	19	39.6%
TDSB A/B Yearlong	83.1	88.5	28	22	78.6%

EQAO – Test Results

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Toronto DSB A/B Yearlong > Peel DSB Semester

EQAO – Test Results

Peel DSB vs. Toronto DSB

Table 2: Assessment of Mathematics Levels 3 & 4, 2016 -2017 (Applied)

APPLIED Program	Mean (%)	Median (%)	Total Schools	# of Schools Above 50%	% of Schools Above 80%
Peel DSB Semester	39.1	37.0	34	10	29.4%
Toronto DSB Semester	30.0	27.5	46	5	10.9%
TDSB A/B Yearlong	38.5	40.0	25	6	24.0%

EQAO – Test Results

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Median: Toronto DSB A/B Yearlong > Peel DSB Semester

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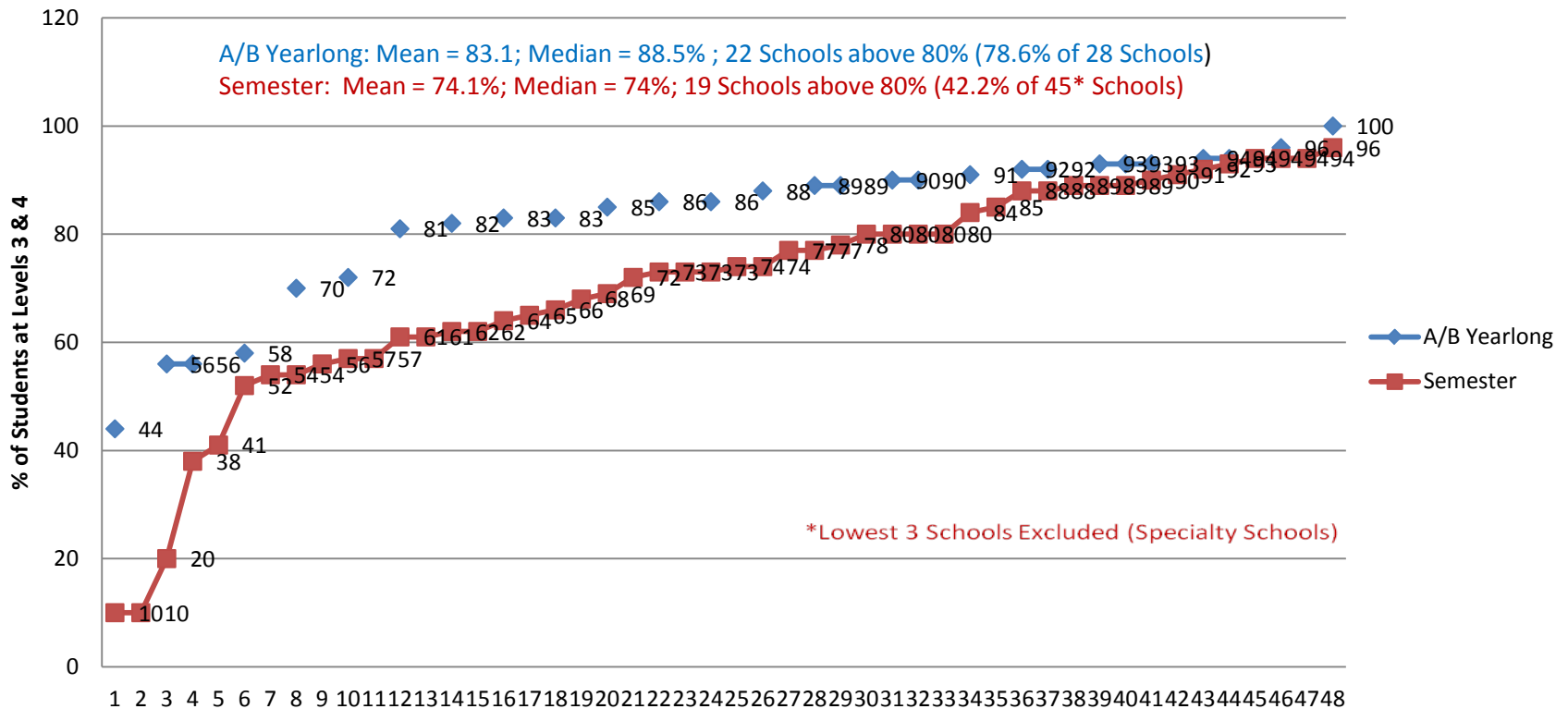
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Median: Toronto DSB A/B Yearlong > Peel DSB Semester

Mean: Peel DSB Semester > Toronto DSB A/B Yearlong

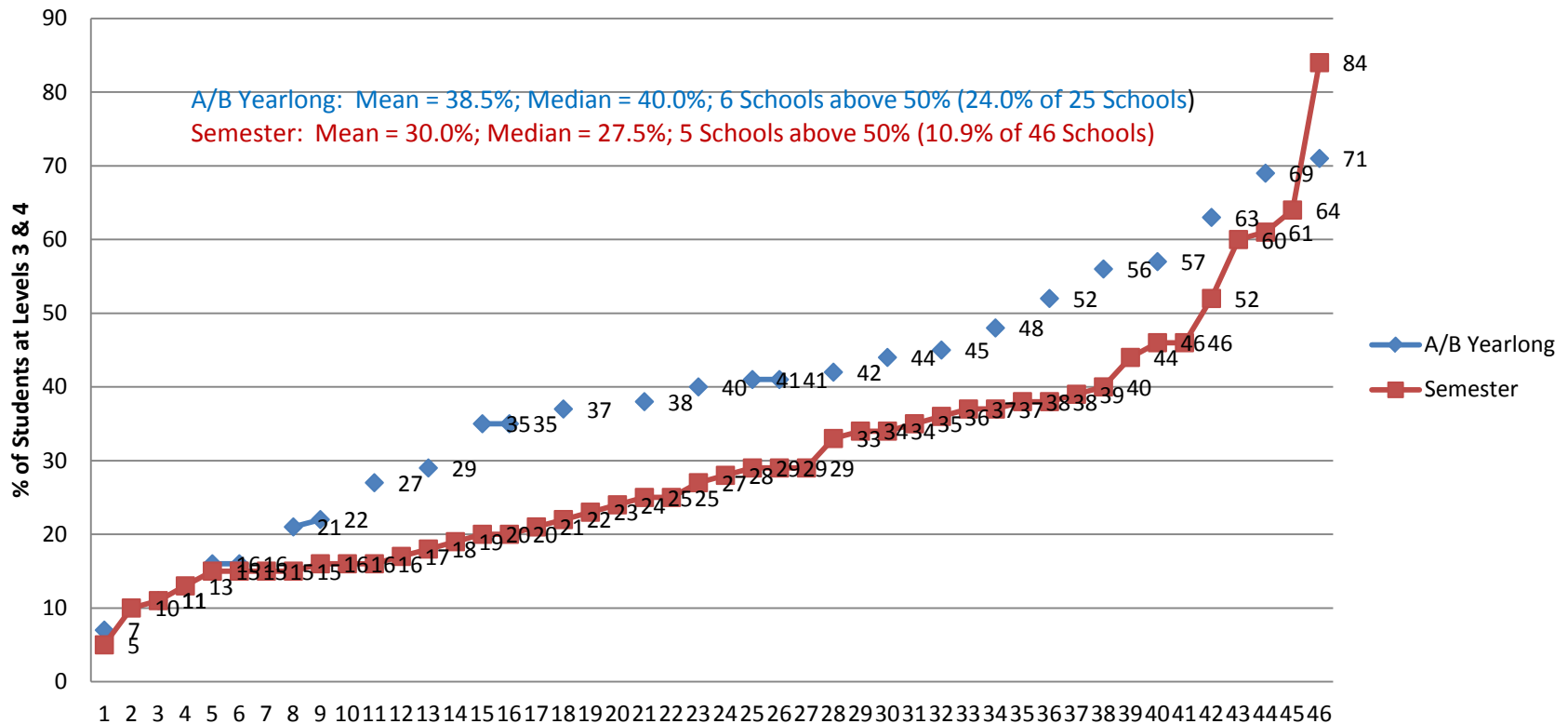
Comparison of A/B Yearlong vs. Semestered (Academic)

Toronto District School Board
 EQAO Grade 9 (Academic)
 Assessment of Mathematics Levels 3&4, 2016-2017



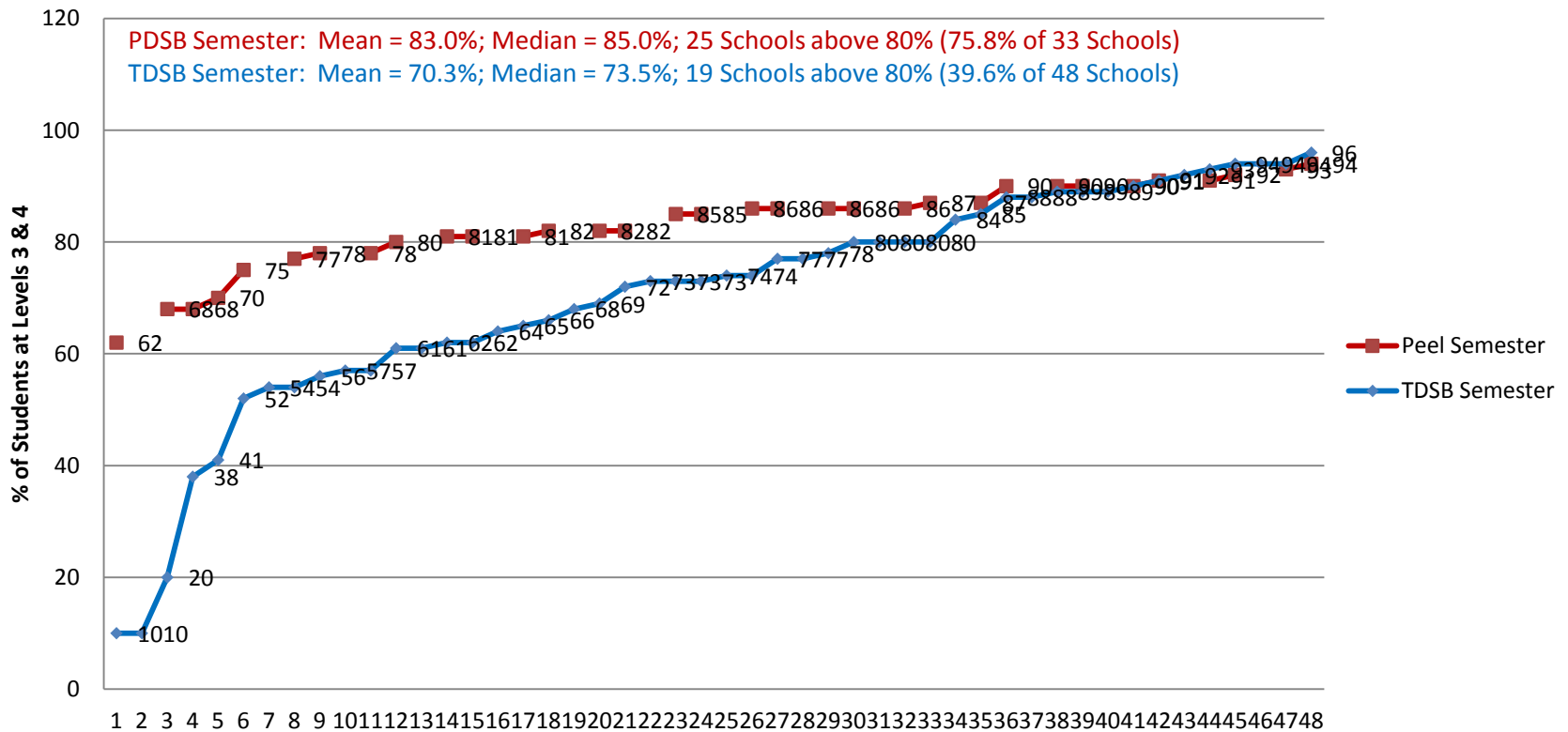
Comparison of A/B Yearlong vs. Semestered (Applied)

Toronto District School Board
EQAO Grade 9 (Applied)
Assessment of Mathematics Levels 3&4, 2016-2017



Peel Semestered vs. Toronto Semestered (Academic)

Peel DSB vs Toronto DSB Semester
EQAO Grade 9 (Academic)
Assessment of Mathematics Levels 3&4, 2016 -2017

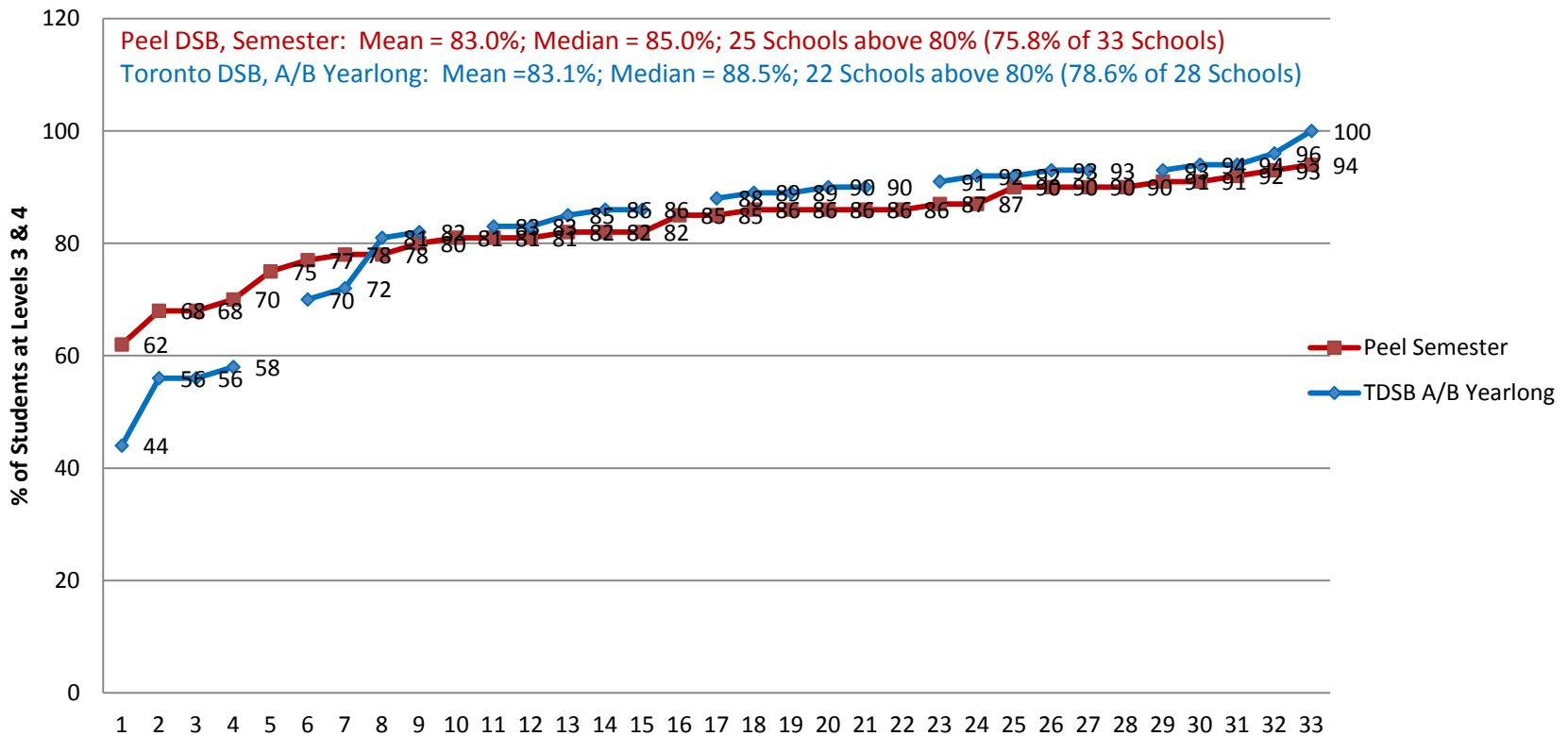


Peel Semestered vs. Toronto A/B Yearlong (Academic)

Peel DSB vs Toronto DSB -A/B Yearlong

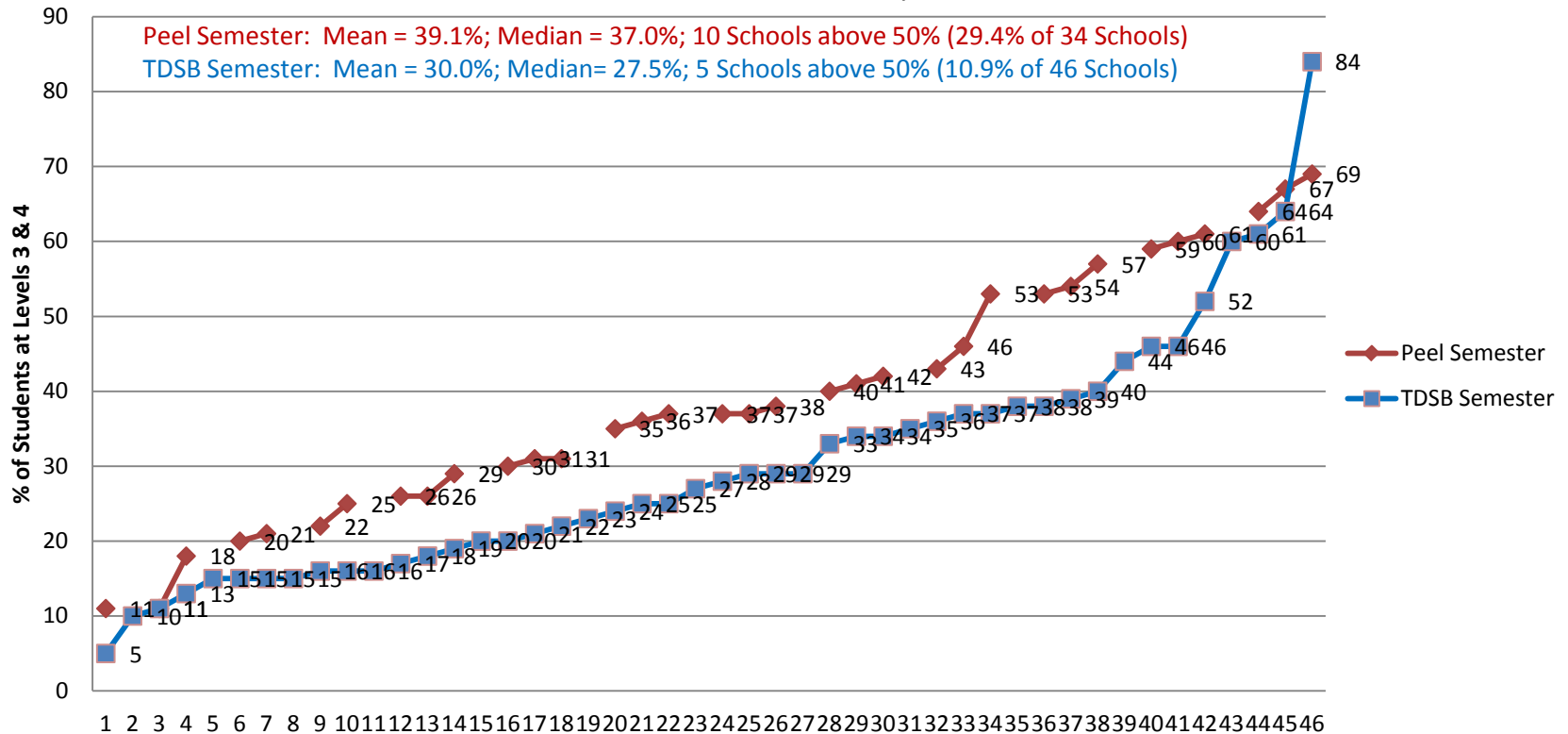
EQAO Grade 9 (Academic)

Assessment of Mathematics Levels 3&4, 2016 -2017



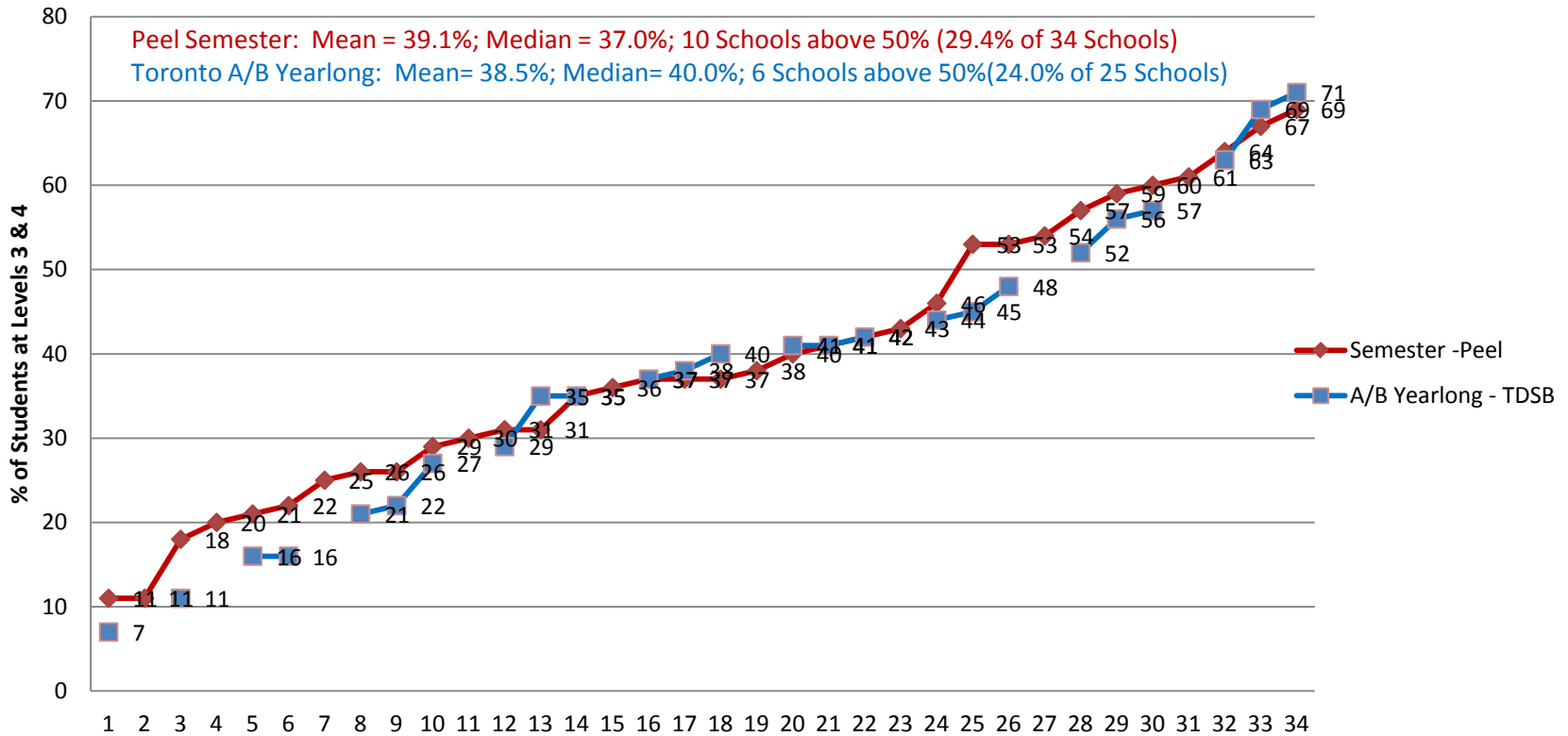
Peel Semestered vs. Toronto Semestered (Applied)

Peel DSB Semester vs. Toronto DSB Semester
EQAO Grade 9 (Applied)
Assessment of Mathematics Levels 3&4, 2016 -2017



Peel Semestered vs. Toronto A/B Yearlong (Applied)

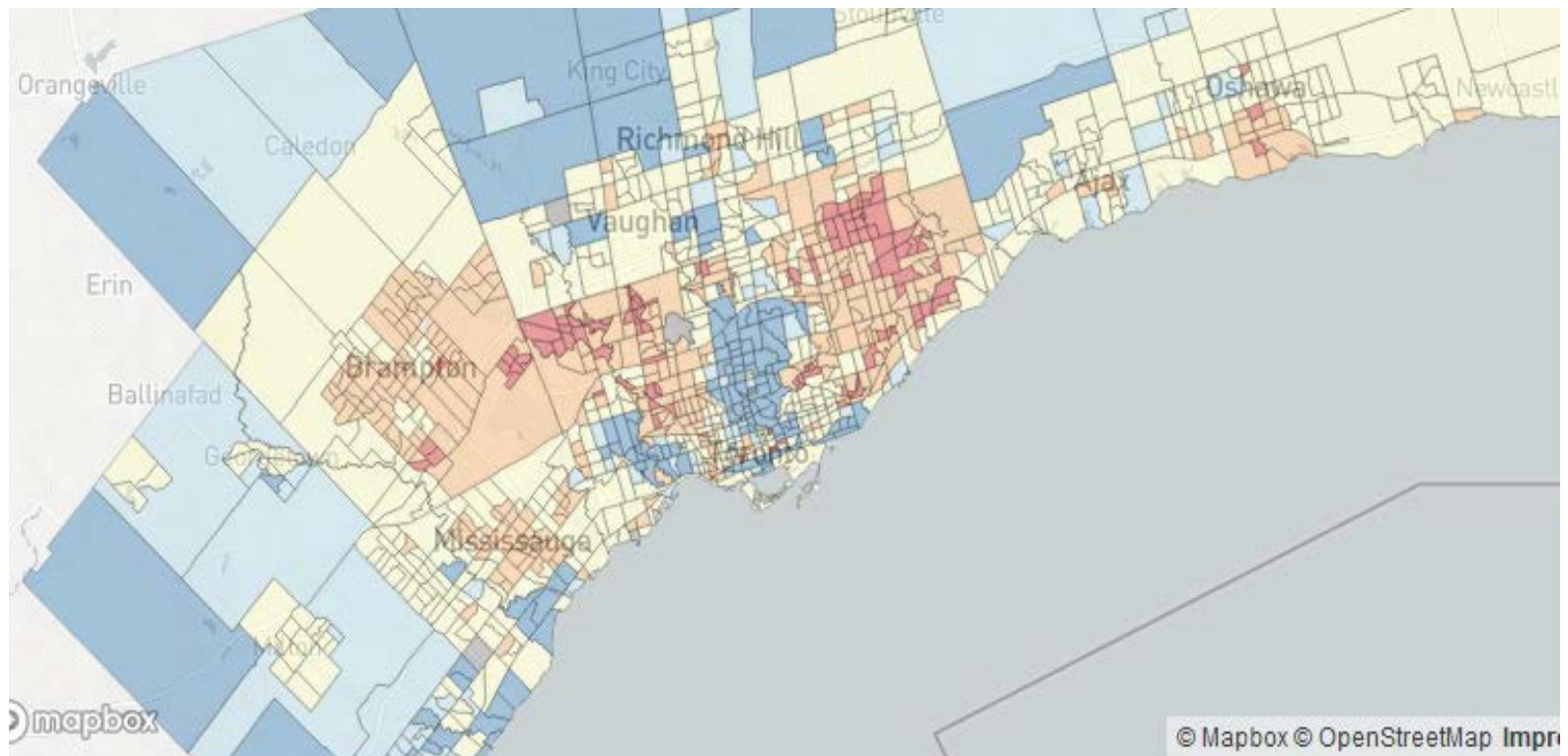
Peel DSB Semester vs. Toronto DSB A/B Yearlong
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Other Factors to Consider

- In general Peel EQAO Results > Toronto EQAO
- But NOT better than [Toronto A/B Yearlong Schools](#)
- Toronto has many more Low Income Neighbourhoods than Peel
- Review of Income Demographics: Many of **lowest** EQAO Schools in **Low Income Areas** & Many of **high** EQAO Schools in **High Income Areas**
- Check Income Demographic Map Yourself

Other Factors to Consider



2015 census tract average individual income compared to the Toronto CMA average of \$50,479



<https://www.thestar.com/news/gta/2017/11/09/do-your-neighbours-make-more-than-you-search-our-map-of-income-in-the-gta.html>

More Factors to Consider

- Peel DSB Administration tracks EQAO Results
- EQAO Test evaluates Math Skills to Grade 9
- EQAO Results do not inform regarding Gaps between Grade 9 & 10 and Grade 10 & 11
- How many Students transfer to Applied Math after Grade 9 Academic Math?

More Factors to Consider

- Physical Education classes are another problem area in the Semester system.
- Currently, Students have exercise everyday for ½ year and then NOTHING.
- No physical fitness trainer in the world would advise this type of training schedule.
- It comes as no surprise that many students drop Phys. Ed. after Grade 9.