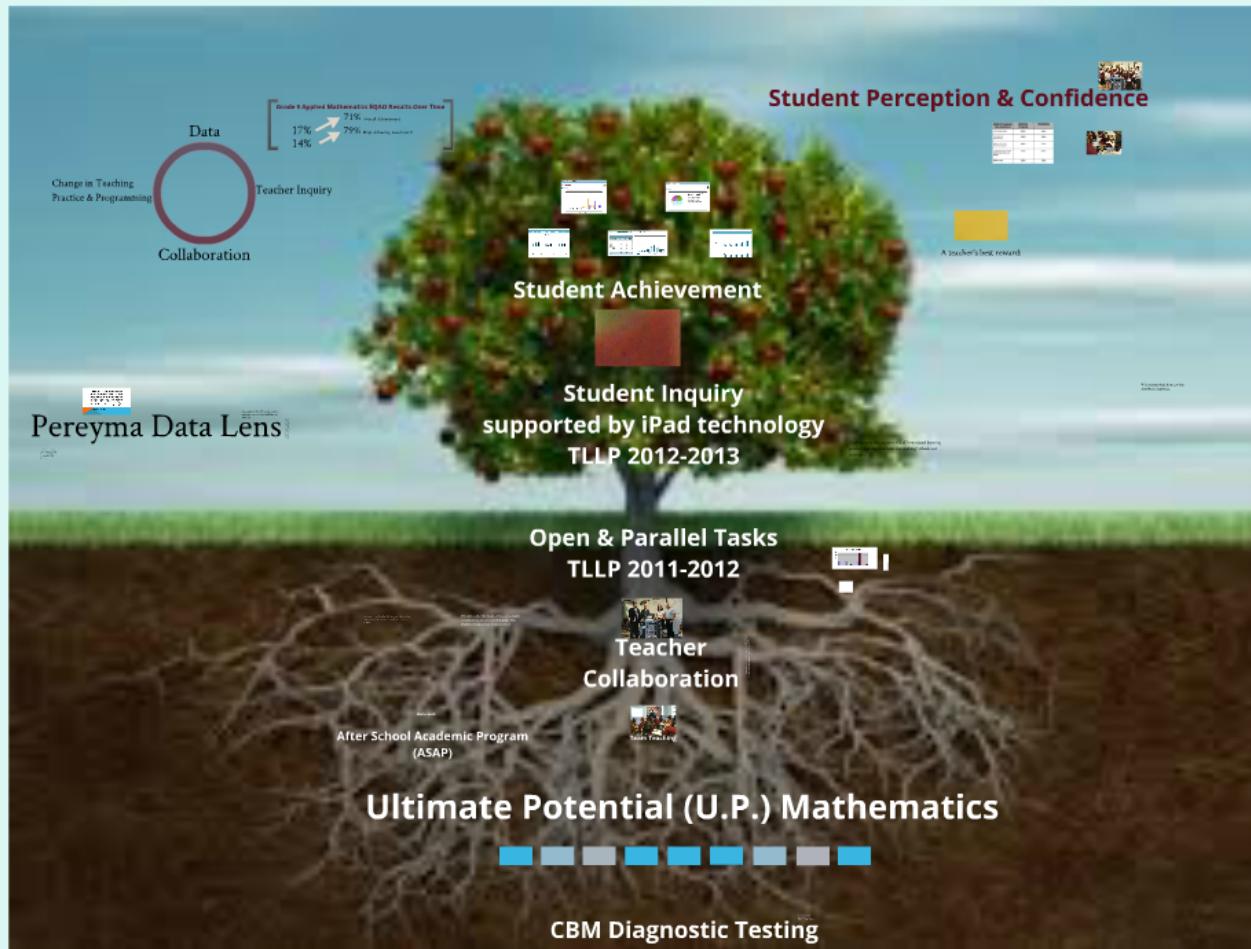


Pereyima Math

A Growth Continuum



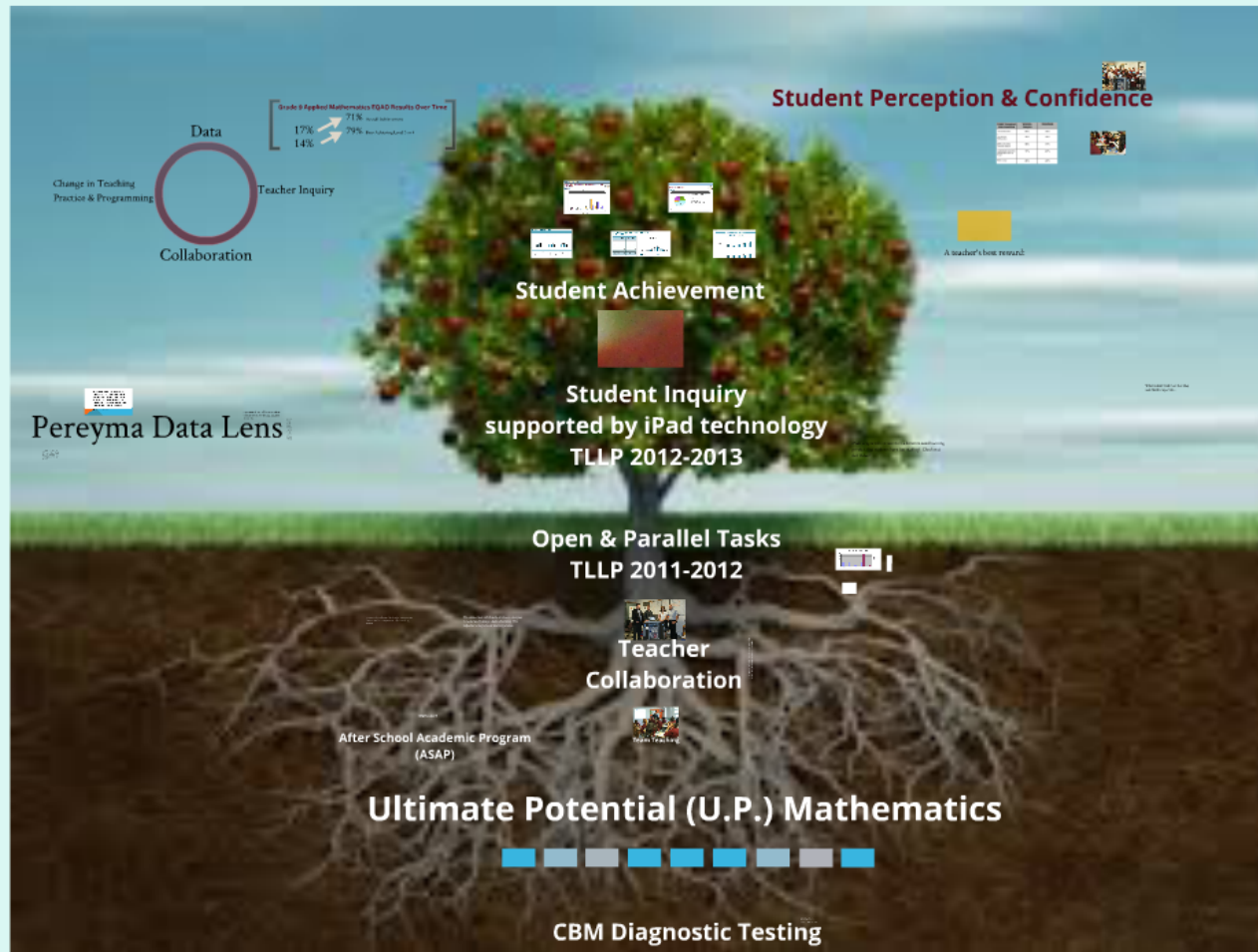
Ready, Set, Grow!

“Men often become what they believe themselves to be. If I believe I cannot do something, it makes me incapable of doing it. But when I believe I can, then I acquire the ability to do it, even if I didn't have it in the beginning.”

Mahatma Gandhi

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Mahatma Gandhi

Approximately 26% of Pereyma's student population is on an Individual Education Plan (IEP)

Pereyma Data Lens

Many of the families of students attending our school struggle financially, and experience significant socio-economic challenges.

Data

17%

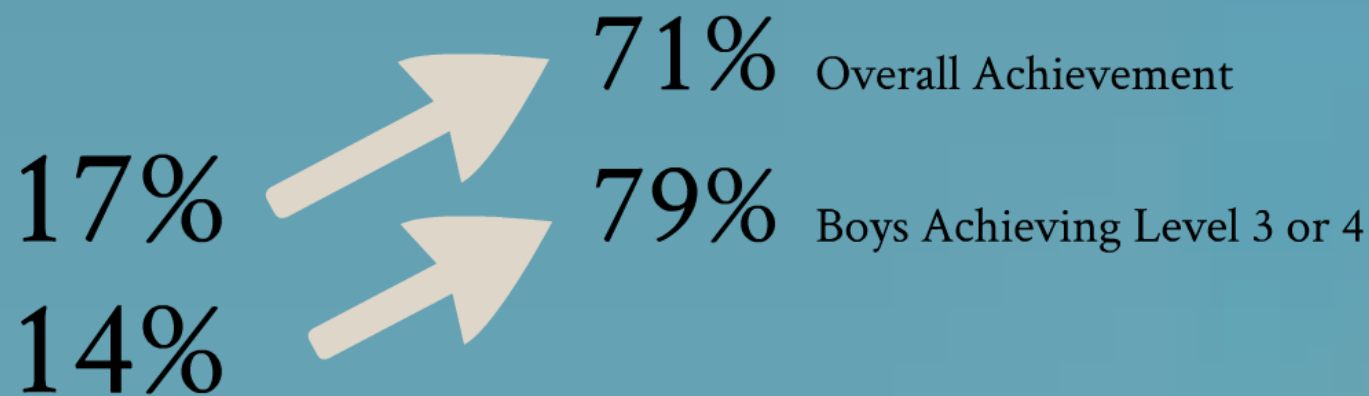
14%

n Teaching
& Programming

Teacher Inc

Collaboration

Grade 9 Applied Mathematics EQAO Results Over Time



Math Coach

Math Coach

After School Academic Program (ASAP)

Ultimate



...a credible basis, Keynote Math teachers will be able to...

We collaborated with Family of Schools colleagues to moderate student products of learning. This helped us to improve our teaching practice.



Teacher Collaboration

...collaborating with colleagues to improve practice

Math Coach

Family of Schools Academic Program (ASAP)



Team Teaching

Ultimate Potential (U.P.) Mathematics

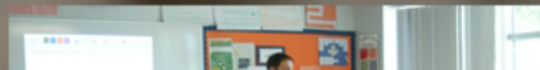


CBM Diagnostic Testing

...the results of the diagnostic testing...



Teacher Collaboration



TLLP 2012-2013

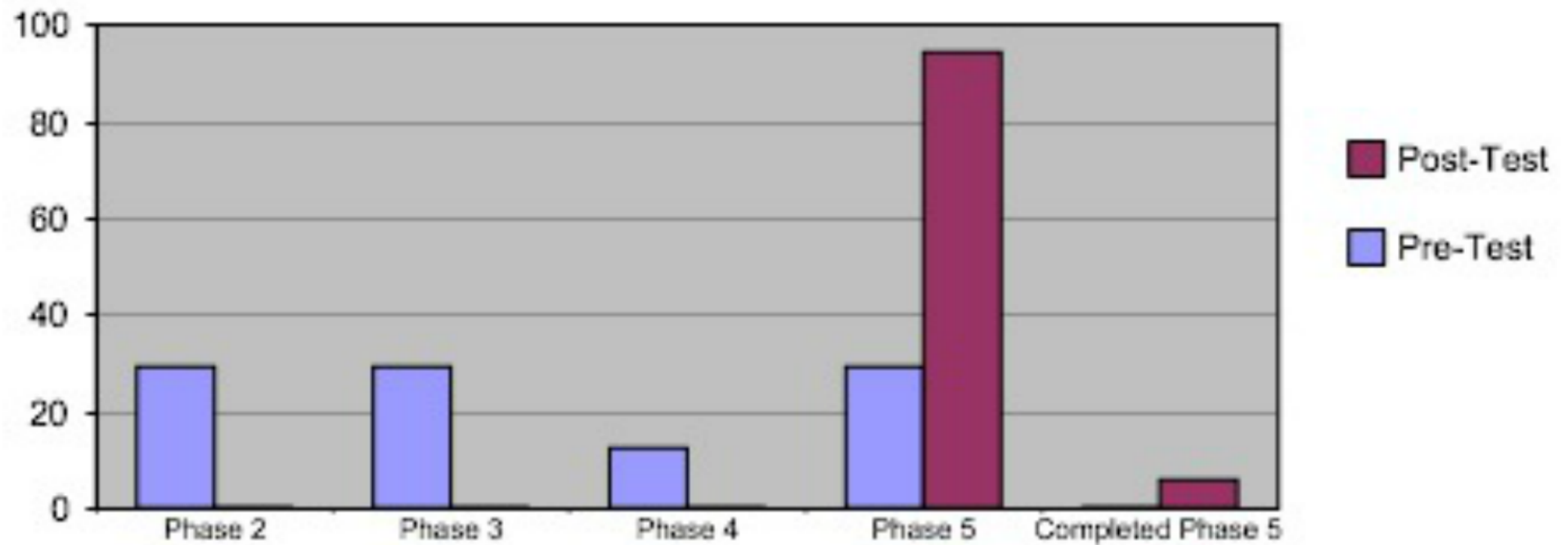
Open & Parallel Tasks

TLLP 2011-2012



Teacher

Pereyma CBM Counting - Applied





Student Inquiry supported by iPad technology TLLP 2012-2013

Open & Parallel Tasks





...a credible basis, Keynote Math teachers will be able to...

We collaborated with Family of Schools colleagues to moderate student products of learning. This helped us to improve our teaching practice.



Teacher Collaboration

...the learning, the learning, the learning...

Math Coach

Family of Schools Academic Program (ASAP)



Team Teaching

Ultimate Potential (U.P.) Mathematics



CBM Diagnostic Testing

...the learning, the learning, the learning...

U.P. MATH

“A GROWTH MINDSET IN REMEDIATION”

**Monsignor John Pereyma Catholic School
School Based Pilot Programme**

For further information on this programme contact:
Leanne.oliver@dcdsb.ca or kevin.hoadley@dcdsb.ca

Typical remediation course comment to students

“You are in this **remediation class** because of your **Numeracy gaps**. To be able **to do well in Math** we **must work** on your **weaknesses**. Lets really **work hard** to get you up to a **level playing field** so you will **have a chance** to be **successful**. Remember, if you are **not successful, you will fail.**”

TO MAKE A DIFFERENCE
LETS CHANGE THE ATTITUDE!

U.P. Math Comments to possible candidates and parents

You were **selected** as a **candidate** to participate in **U.P Math**. The Math department at Monsignor John Pereyma has **noticed exceptional potential** throughout your elementary school years. You have **shown excellent aptitude** in many areas of Mathematics. U.P. Math is designed to help you **reach your Ultimate Potential** in all areas. We **look forward** to helping you **achieve your goals** in Mathematics.

LETS CHANGE THE
EXPECTATIONS!

“It gives them confidence in their Math skills in the second semester and this confidence would carry throughout the entire High School years”

PARENTAL COMMENTS OF U.P. MATH STUDENTS

The average final mark of our U.P. MATH students, that took Gr. 9 Applied Mathematics, was 84.5%

86% of U.P. Math students achieved a level 3 or 4 in EQAO

2012-2013 U.P. MATH - SUMMARY

Monsignor John Pereyema's EQAO Applied Math results have exceeded provincial results every year in which our U.P. Math course has been in place (level 3 and 4)

	Pereyema	Province
2010-2011	43%	42%
2011-2012	53%	44%
2012-2013	71%	44%

In 2013 , every Gr. 9 Applied student passed the EQAO!

**SUCSESSES IN GRADE 9 APPLIED
MATH**

BEFORE U.P. MATH

“My daughter had always struggled with Math in elementary school. In grade 6 her EQAO test results showed that she was at a low level 2. She spent about six hours weekly doing Math homework and was also enrolled in the “Kumon” Math program for approximately two years. Based on her Math testing in Grade Seven, she was placed in the IEP programme.”

**PARENTAL COMMENTS OF U.P. MATH
STUDENTS**

AFTER U.P. Math

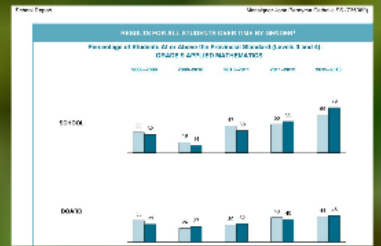
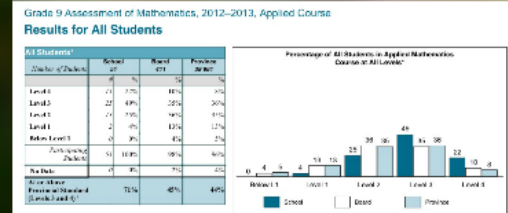
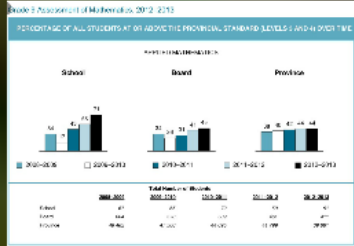
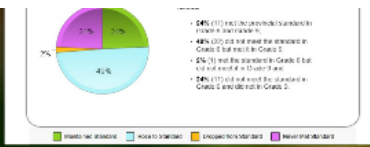
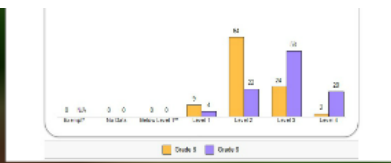
“After completing the U.P. Math programme, her confidence in doing Integers, Fractions, and Algebra has risen. She takes pride in making sure her Math homework is completed and no longer feels frustrated and confused. She is no longer on an IEP and has become a confident Math student in Grade 10 who often refers back to the tools that were taught to her in the U.P. Math programme.”

PARENTAL COMMENTS OF U.P. MATH STUDENTS

EQAO Perceptual Data Questions	SCHOOL Pereyema	PROVINCE
I like Mathematics.	62%	34%
I am good at Mathematics.	49%	35%
Math is one of my favourite subjects.	38%	21%
I understand most of the Mathematics that I am taught.	77%	61%
Math is easy.	36%	20%

“Men often become what they believe themselves to be. If I believe I cannot do something, it makes me incapable of doing it. But when I believe I can, then I acquire the ability to do it, even if I didn't have it in the beginning.”

Mahatma Gandhi



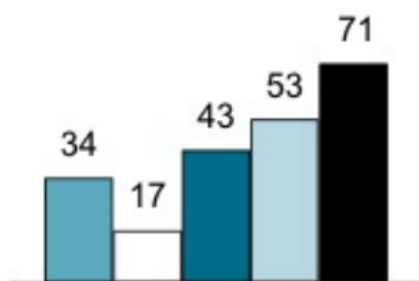
Student Achievement



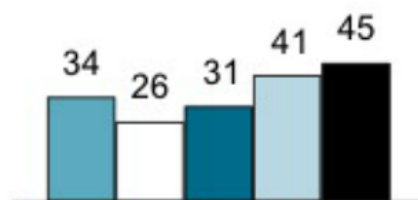
PERCENTAGE OF ALL STUDENTS AT OR ABOVE THE PROVINCIAL STANDARD (LEVELS 3 AND 4) OVER TIME

APPLIED MATHEMATICS

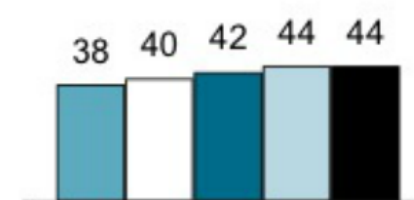
School



Board



Province



2008–2009

2009–2010

2010–2011

2011–2012

2012–2013

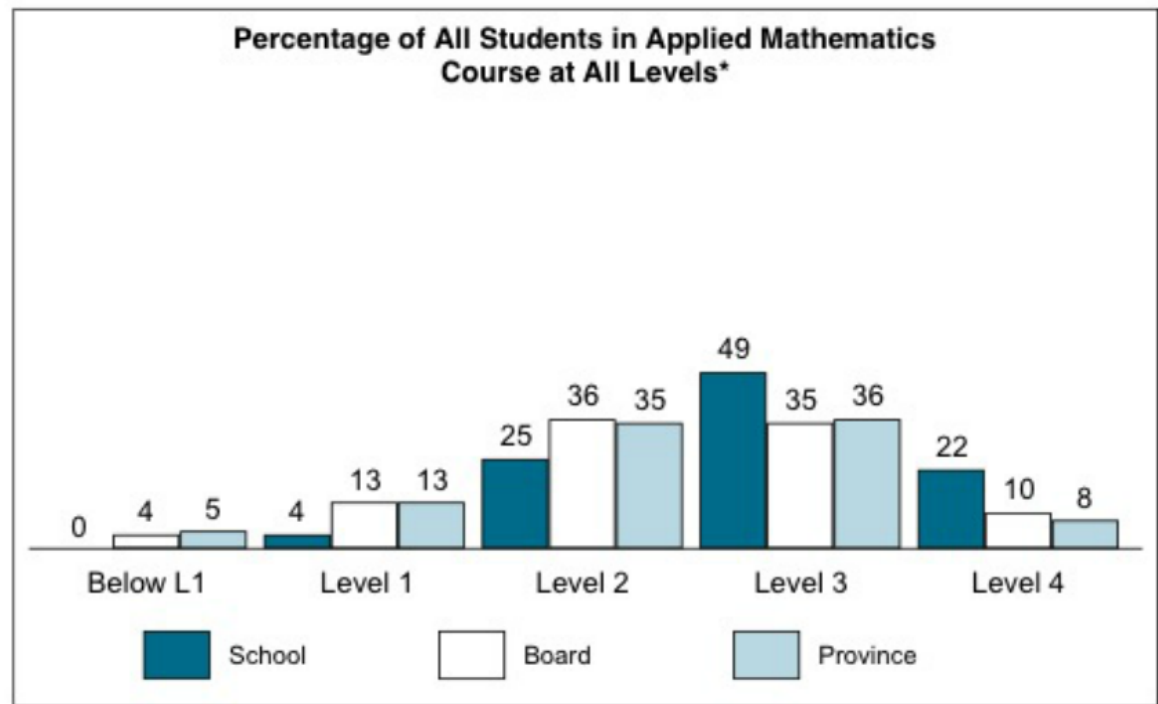
Total Number of Students

	<u>2008–2009</u>	<u>2009–2010</u>	<u>2010–2011</u>	<u>2011–2012</u>	<u>2012–2013</u>
School	67	65	72	59	51
Board	604	578	509	461	411
Province	48 482	47 566	44 095	41 799	39 881

Grade 9 Assessment of Mathematics, 2012–2013, Applied Course

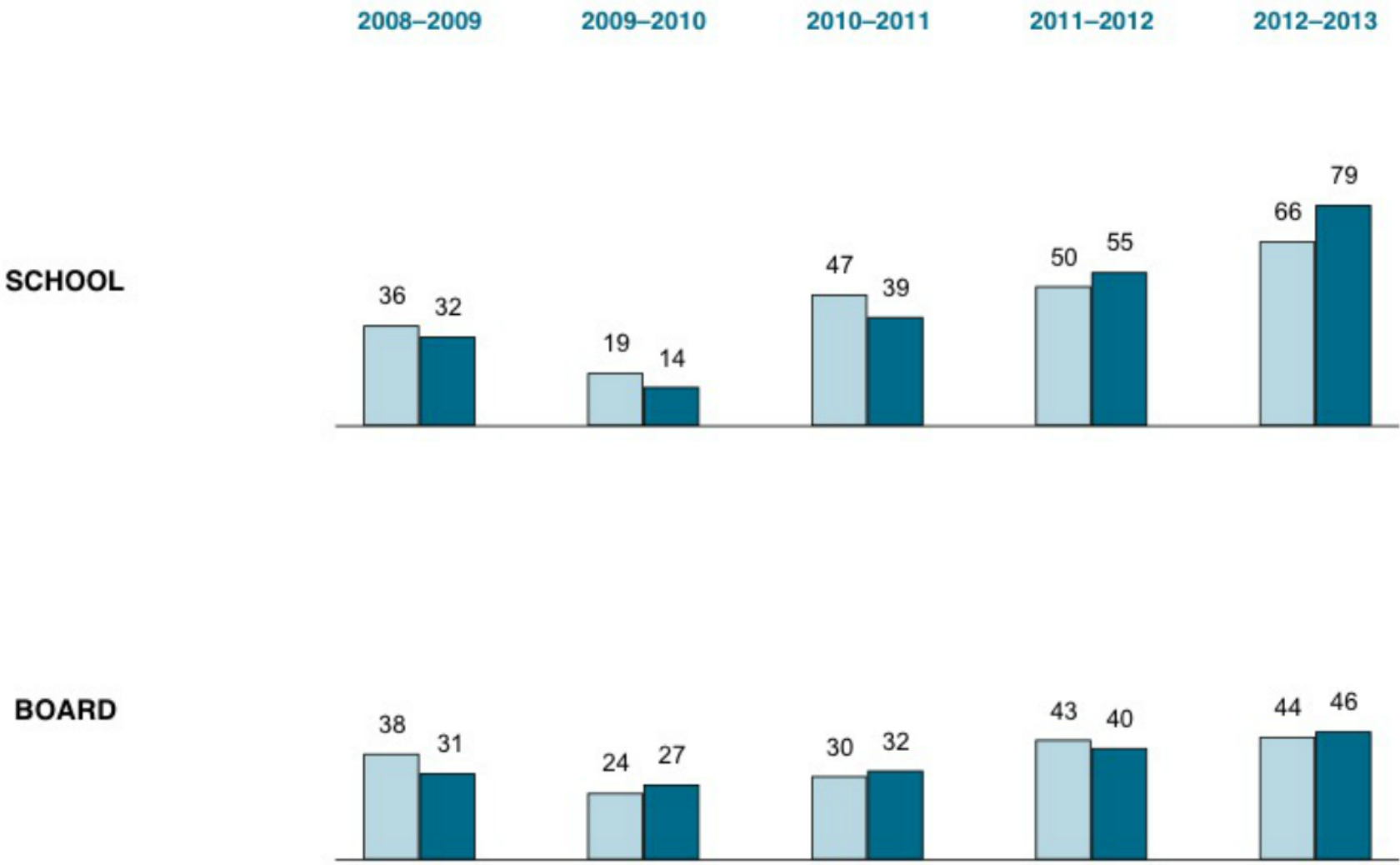
Results for All Students

All Students*				
Number of Students	School 51		Board 411	Province 39 881
	#	%	%	%
Level 4	11	22%	10%	8%
Level 3	25	49%	35%	36%
Level 2	13	25%	36%	35%
Level 1	2	4%	13%	13%
Below Level 1	0	0%	4%	5%
Participating Students	51	100%	98%	96%
No Data	0	0%	2%	4%
At or Above Provincial Standard (Levels 3 and 4)†		71%	45%	44%



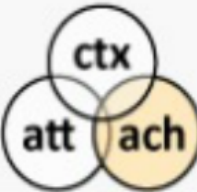
RESULTS FOR ALL STUDENTS OVER TIME BY GENDER†

Percentage of Students At or Above the Provincial Standard (Levels 3 and 4): GRADE 9 APPLIED MATHEMATICS



Showing > School ▾

2012-2013 ▾

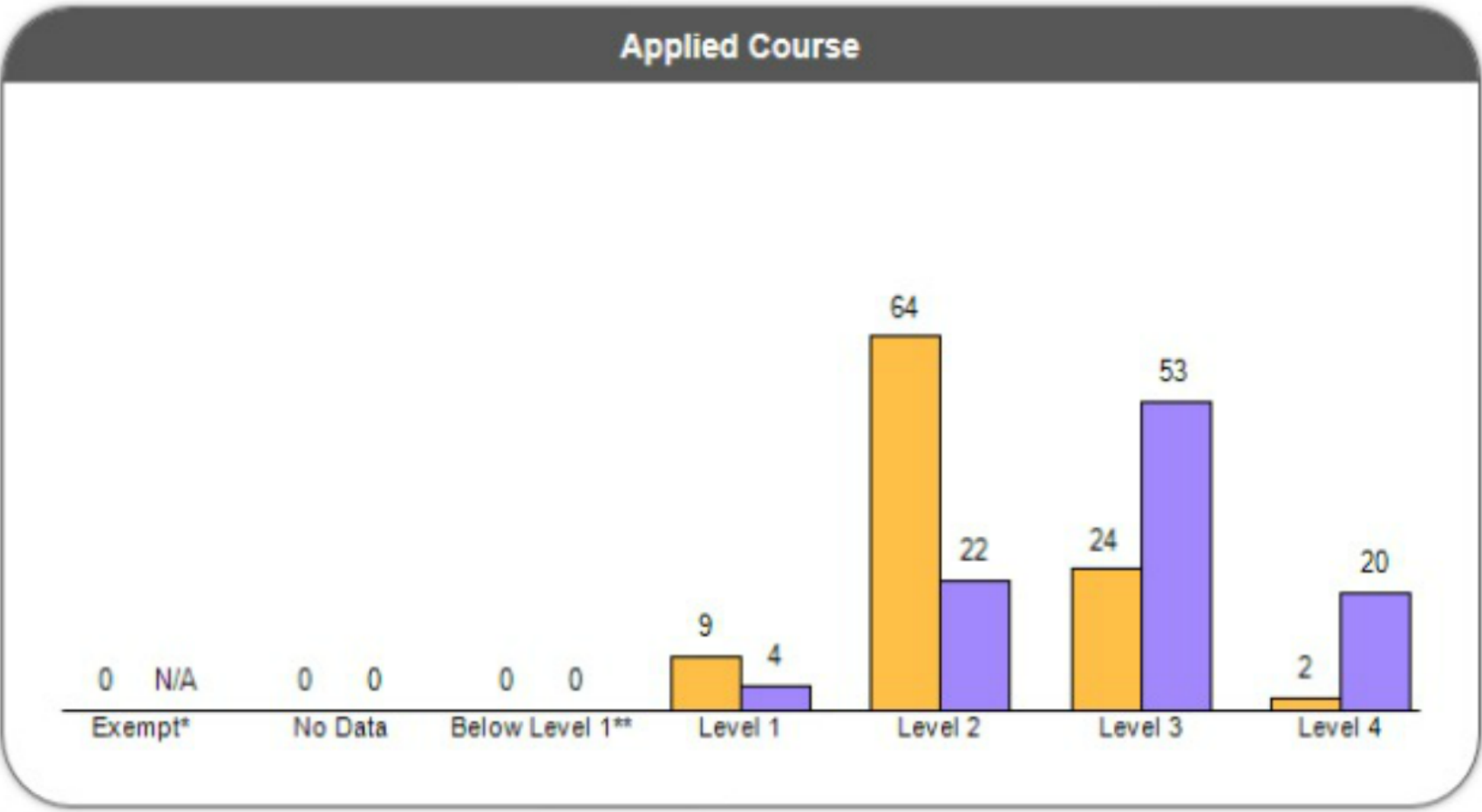


Tracking a Cohort in the School, Levels by Grade: Junior Division (Grade 6) in 2009–2010 to Grade 9 in 2012–2013, Mathematics

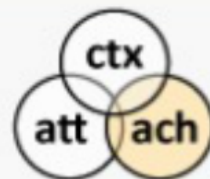
← Previous view

Percentage of Students

Applied Course



Grade 6 Grade 9

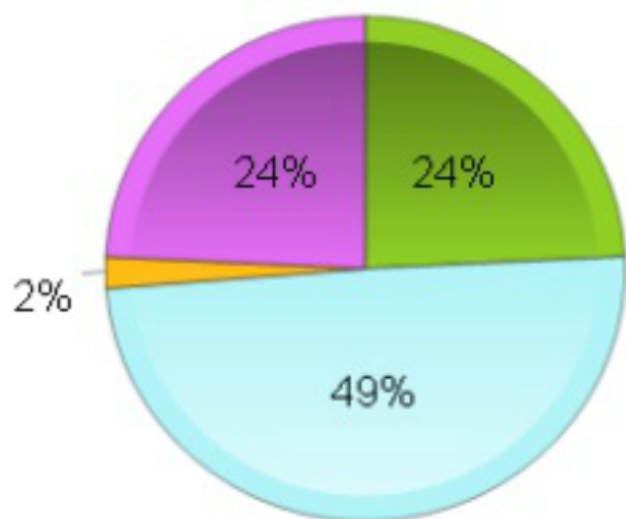


Tracking a Cohort in the School, In Relation to Provincial Standard: Junior Division (Grade 6) in 2009–2010 to Grade 9 in 2012–2013, Mathematics

[← Previous view](#)

Applied Course

The mathematics results for the 45 students in the applied course in the cohort are as follows: ?



- **24%** (11) met the provincial standard in Grade 6 and Grade 9;
- **49%** (22) did not meet the standard in Grade 6 but met it in Grade 9;
- **2%** (1) met the standard in Grade 6 but did not meet it in Grade 9 and
- **24%** (11) did not meet the standard in Grade 6 and did not in Grade 9.



Maintained Standard



Rose to Standard



Dropped from Standard



Never Met Standard

Student Perception & Confidence

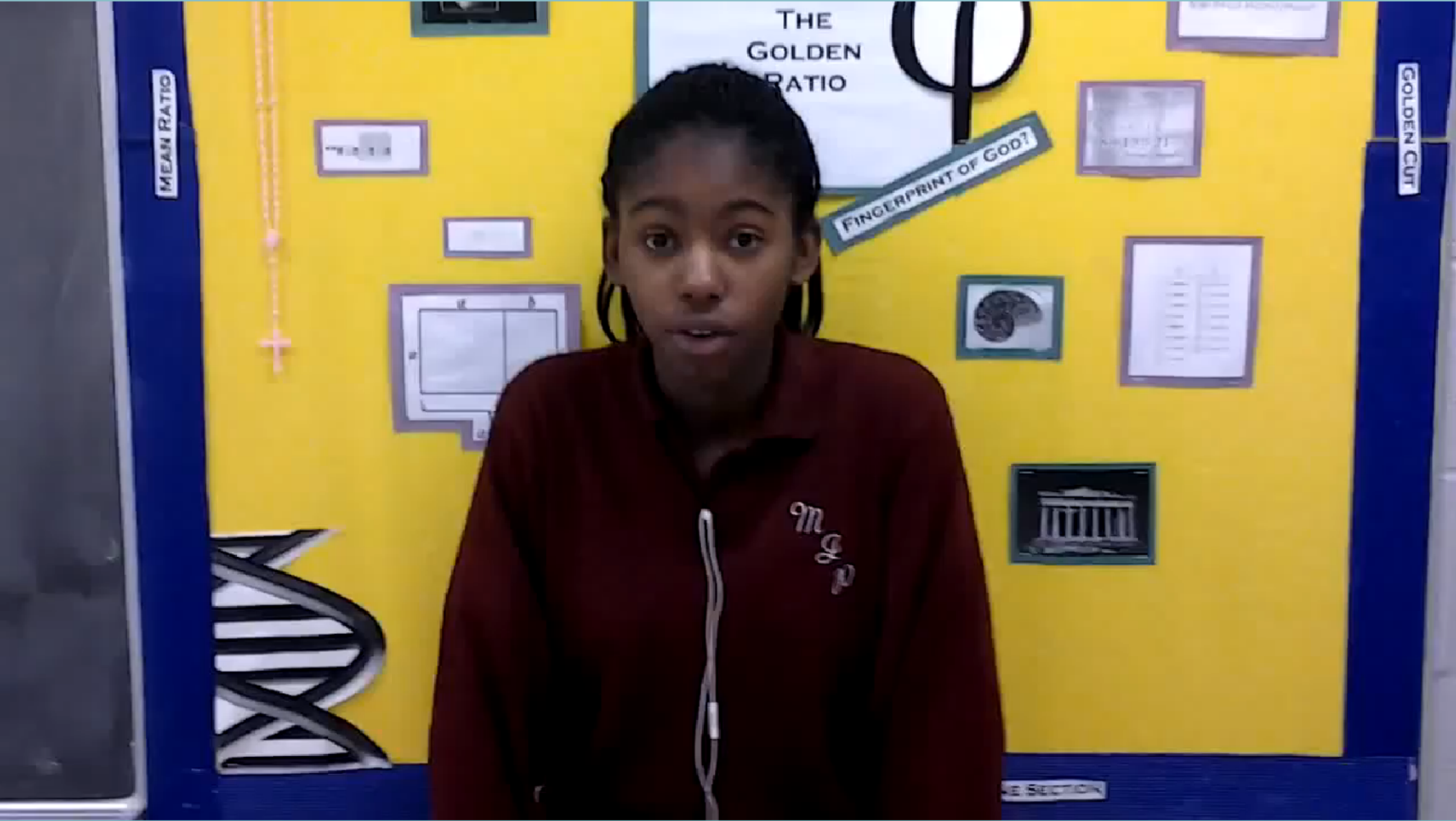


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A teacher's best reward:





Support Math Instructional Practices
to Improve Student Learning

We collaborated with Family of Schools colleagues to moderate student products of learning. This helped us to improve our teaching practice.



Teacher Collaboration

TEEP 2011-2012
Support Math Instructional Practices
to Improve Student Learning

Math Coach

School Academic Program (ASAP)



Team Teaching

Ultimate Potential (U.P.) Mathematics



CBM Diagnostic Testing

Math Coach Support
to Improve Student Learning



CBM Diagnostic Testing

Ready, Set, Grow!