

EQAO Grade 9 Math Results 2012-2013

Thornhill Secondary School

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Purpose of Presentation

- Review of EQAO:
 - Format of assessment
 - Accommodations to students: Special Education, ELLs
 - Impact on students' learning and course mark
- Analysis of our results:
 - Strengths
 - Needs
 - Action Plan: Math department, School

Background

- All grade 9 students enrolled in grade 9 applied and academic mathematics write the provincial-wide EQAO math assessment
- Format: Two 60-minute tests written during math class near end of course:
 - Day 1: 14 multiple choice; 4 open-responses
 - Day 2: 13 multiple choice; 3 open-responses
- Special Education students and English Language Learners receive accommodations:
 - up to double the amount of time
 - separate location

... Background

- EQAO counts as 5% towards grade 9 math mark – YRDSB policy (but not graduation requirement)
- Student reports generated in late September
- Snapshot of students' learning of grade 9 math curriculum expectations – to complement teacher-created assessments used in classroom
- Meeting provincial standard is level 3 (70%-79%)

Celebrating Our Successes: Grade 9 Academic Mathematics Overall Results

2012-2013:

- **School: 92% met provincial standard**
 - Level 4: 32% of our students;
 - level 3: 60% of our students;
 - level 2: 3% of our students;
 - level 1: 4% of our students;
 - below level 1: 0% of our students.
- Board: 91% met provincial standard
- Province: 84% met provincial standard

...Grade 9 Academic Mathematics

- Context:
 - 186 students
 - 7 classes
 - 99.5% participation rate
 - 43% females, 57% males
 - 21% English Language Learners
 - 8% identified Special Education (excluding gifted)

...Grade 9 Academic Last 5 Years

- Grade 9 Academic:
 - 2012-2013: 92% met provincial standard
 - 2011-2012: 93% met provincial standard
 - 2010-2011: 91% met provincial standard
 - 2009-2010: 95% met provincial standard
 - 2008-2009: 88% met provincial standard

... Grade 9 Academic Results: By Gender

- TSS
 - Females: 92% of our students met provincial standard
 - Males: 92% of our students met provincial standard
- Board
 - Females: 91% met provincial standard
 - Males: 91% met provincial standard
- Province
 - Females: 84% met provincial standard
 - Males: 85% met provincial standard

... Grade 9 Academic Results: English Language Learners

- School
 - 87% of our students met provincial standard
 - compared to 92% average overall in school
- Board
 - 87% of students met provincial standard
 - compared to 91% average overall in board
- Province
 - 81% of students met provincial standard
 - compared to 84% average overall in province

... Grade 9 Academic Mathematics: Special Education (Excl. Gifted)

- School
 - 93% of our students met provincial standard
 - compared to 92% average overall in school
- Board
 - 80% of students met provincial standard
 - compared to 91% average overall in board
- Province
 - 73% of students met provincial standard
 - compared to 84% average overall in province

Celebrating Our Successes: Grade 9 Applied Math Overall Results

- Grade 9 Applied Mathematics
 - 2012-2013:
 - **School: 50% met provincial standard**
 - Level 4: 11% of our students;
 - level 3: 39% of our students;
 - Level 2: 42% of our students;
 - Level 1: 6% of our students;
 - Below level 1: 3% of our students.
 - Board: 49% met provincial standard
 - Province: 44% met provincial standard

... Grade 9 Applied Mathematics

- Context
 - 36 students
 - 2 classes
 - 100% participation rate
 - 33% females; 67% males;
 - 28% English Language Learners
 - 47% Special Education

... Grade 9 Applied Last 5 Years

Grade 9 Applied:

- 2012-2013: 50% met provincial standard
- 2011-2012: 47% met provincial standard
- 2010-2011: 42% met provincial standard
- 2009-2010: 43% met provincial standard
- 2008-2009: 39% met provincial standard

... Grade 9 Applied Results: By Gender

- School
 - Females: 67% of our students met provincial standard
 - Males: 42% of our students met provincial standard
- Board
 - Females: 49% met provincial standard
 - Males: 49% met provincial standard
- Province
 - Females: 41% met provincial standard
 - Males: 46% met provincial standard

... Grade 9 Applied Mathematics: English Language Learners

- School
 - 50% of our students met provincial standard
 - compared to 50% average overall in school
- Board
 - 55% of students met provincial standard
 - compared to 49% average overall in board
- Province
 - 35% of students met provincial standard
 - compared to 44% average overall in province

... Grade 9 Applied Mathematics: Special Education

- School
 - 47% of our students met provincial standard
 - compared to 50% average overall in school
- Board
 - 41% of students met provincial standard
 - compared to 47% average overall in board
- Province
 - 35% of students met provincial standard
 - compared to 44% average overall in province

Next Steps/Action Plan

- Continue to deliver our academic program
- Continue to improve applied results
- **Need:** Address issue of large population of male students in applied course by using more hands-on approach and applications that appeal to male students
- **Need:** Focus on the geometry and measurement strand in the applied course

...Next Steps/Action Plan

- School-wide Literacy focus includes Numeracy – each department *indirectly* impacts grade 9 EQAO mathematics results – how can each department contribute?
- Meet with our feeder school grade 8 mathematics teachers to help with transition to grade 9 math:
 - Appropriate math pathways
 - Promote seamless transition – e.g., consistent instructional and assessment strategies