

**Board:** Toronto Catholic District School Board (067059)

**School:** Cardinal Newman HS (694193)

**Demographics**

1 school(s) with Grade 9 classes

6 class(es) with Grade 9 students in Academic Mathematics

9 class(es) with Grade 9 students in Applied Mathematics

233 Grade 9 students in Academic Mathematics

94 Grade 9 students in Applied Mathematics

1% in English as a second language (ESL) program

21% receiving Special Education Support

51% boys                      46% girls                      3% gender not specified

9% of the students said they speak only or mostly a language other than English at home

13% of the students said they speak English as often as another language at home

**Accommodations/Special Provisions**

1% exempted

20% wrote with accommodations and/or special provisions

**Semester/Full Year**

49% were in a first-semester program (wrote in Jan.)

51% were in a second-semester program (wrote in June)

0% were in a full-year program (wrote in June)

## Explanation of Terms

<b><i>Receiving Special Education Support</i></b>	designates students whose Student Information Form indicated that they had been formally identified by an Identification, Placement and Review Committee, as well as students who, though not formally identified, received special education support as noted on their Individual Education Plan.
<b><i>Exempt</i></b>	designates students who were formally exempted from participation in one or more components of the assessment.
<b><i>No data</i></b>	is used when EQAO did not receive completed assessment booklets from non-exempt students.
<b><i>NEIS:</i></b>	(Not Enough Information to Score) is used when large sections of work are missing, due to student absence or for other reasons, such that a level of achievement cannot be assigned for a given category, strand or overall score.
<b><i>Below L1</i></b>	Insufficient achievement of curriculum expectations.
<b><i>Levels 1-4</i></b>	are aligned with the four-level scale used on the Provincial Report Card, which sets Level 3 as the provincial standard.

## Explanation of Methods

<b><i>Method 1</i></b>	Data for all students in the grade are reported. Method 1 expresses the number of students in each reporting category as a percentage of all students in the grade (i.e., students at the four levels of achievement and those in the <i>exempt</i> , <i>no data</i> , <i>NEIS</i> and <i>Below L1</i> categories described above).
<b><i>Method 2</i></b>	An alternative way of presenting the data. Method 2 expresses the distribution of results as a percentage of those students who took part in the assessment (i.e., students at the four levels of achievement and those in the <i>NEIS</i> and <i>Below L1</i> categories described above). Students in the <i>exempt</i> and <i>no data</i> categories are excluded.

## Overall Scores

The overall level of achievement is calculated using students' scores in the categories and strands across multiple-choice, short answer and task components. Students may receive overall scores, category scores and/or strand scores if sufficient items were completed to be able to report reliably.

Overall scores are adjusted for within-year and year-to-year differences between assessments.

**Grade 9 Assessment of Mathematics, 2002-2003  
School Results**

**Board:** Toronto Catholic District School Board (067059)  
**School:** Cardinal Newman HS (694193)

**Overall Level of Achievement for Students in Applied Mathematics Program**

	Number	Percentage <sup>1</sup>	
		Method 1	Method 2
Exempt	3	3%	N/A
No Data	7	7%	N/A
NEIS <sup>2</sup>	3	3%	4%
Below L1 <sup>3</sup>	3	3%	4%
Level 1	9	10%	11%
Level 2	41	44%	49%
Level 3	27	29%	32%
Level 4	1	1%	1%

<sup>1</sup> Percentages may not sum to 100, due to rounding.

<sup>2</sup> Not Enough Information to Score

<sup>3</sup> Below Level 1

## Grade 9 Results: Detailed Overall Achievement Results for Students in Applied Mathematics Program

### Overall, Method 1

	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426
Exempt	3%	6%	2%
No Data	7%	6%	8%
NEIS <sup>1</sup>	3%	4%	4%
Below L1 <sup>2</sup>	3%	11%	8%
Level 1	10%	22%	20%
Level 2	44%	34%	37%
Level 3	29%	16%	21%
Level 4	1%	<1%	<1%

### Overall, Method 2

	School Results # = 84	Board Results # = 1 927	Provincial Results # = 43 631
NEIS <sup>1</sup>	4%	5%	4%
Below L1 <sup>2</sup>	4%	12%	9%
Level 1	11%	25%	22%
Level 2	49%	39%	41%
Level 3	32%	19%	23%
Level 4	1%	<1%	<1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics Program

### Categories, Method 1

	Knowledge/Understanding			Application			Problem Solving			Communication		
	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426
Exempt	3%	6%	2%	3%	6%	2%	3%	6%	2%	3%	6%	2%
No Data	7%	6%	8%	7%	7%	8%	7%	7%	8%	9%	7%	8%
NEIS <sup>1</sup>	4%	7%	6%	6%	9%	7%	6%	10%	8%	3%	7%	7%
Below L1 <sup>2</sup>	3%	10%	8%	14%	26%	21%	0%	3%	2%	0%	5%	5%
Level 1	10%	20%	19%	17%	19%	19%	28%	39%	35%	9%	13%	13%
Level 2	38%	31%	33%	30%	23%	27%	34%	22%	25%	62%	52%	54%
Level 3	34%	20%	24%	22%	10%	14%	21%	14%	19%	15%	9%	12%
Level 4	0%	0%	<1%	0%	<1%	1%	0%	0%	<1%	0%	0%	<1%

### Categories, Method 2

	Knowledge/Understanding			Application			Problem Solving			Communication		
	School Results # = 84	Board Results # = 1 927	Provincial Results # = 43 617	School Results # = 84	Board Results # = 1 925	Provincial Results # = 43 561	School Results # = 84	Board Results # = 1 924	Provincial Results # = 43 523	School Results # = 83	Board Results # = 1 923	Provincial Results # = 43 543
NEIS <sup>1</sup>	5%	8%	7%	7%	10%	8%	7%	12%	9%	4%	8%	7%
Below L1 <sup>2</sup>	4%	11%	9%	15%	30%	24%	0%	3%	2%	0%	6%	5%
Level 1	11%	23%	21%	19%	22%	21%	31%	44%	39%	10%	15%	14%
Level 2	43%	35%	36%	33%	26%	30%	38%	25%	28%	70%	60%	60%
Level 3	38%	22%	27%	25%	12%	16%	24%	16%	21%	17%	10%	13%
Level 4	0%	0%	<1%	0%	<1%	1%	0%	0%	<1%	0%	0%	<1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Applied Mathematics Program

### Strands, Method 1

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426	School Results # = 94	Board Results # = 2 204	Provincial Results # = 48 426
Exempt	3%	6%	2%	3%	6%	2%	3%	6%	2%	3%	6%	2%
No Data	7%	6%	8%	7%	7%	8%	7%	7%	8%	7%	7%	8%
NEIS <sup>1</sup>	5%	8%	7%	5%	8%	7%	4%	6%	6%	10%	12%	11%
Below L1 <sup>2</sup>	9%	18%	16%	0%	2%	2%	3%	6%	5%	4%	12%	10%
Level 1	7%	13%	12%	14%	20%	18%	16%	22%	22%	13%	18%	15%
Level 2	41%	30%	33%	54%	45%	46%	29%	33%	35%	38%	33%	36%
Level 3	27%	18%	23%	16%	12%	17%	37%	20%	22%	23%	12%	17%
Level 4	0%	0%	<1%	0%	0%	<1%	0%	<1%	<1%	1%	<1%	<1%

### Strands, Method 2

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	School Results # = 84	Board Results # = 1 927	Provincial Results # = 43 542	School Results # = 84	Board Results # = 1 923	Provincial Results # = 43 558	School Results # = 84	Board Results # = 1 924	Provincial Results # = 43 553	School Results # = 84	Board Results # = 1 921	Provincial Results # = 43 472
NEIS <sup>1</sup>	6%	9%	8%	6%	9%	8%	5%	7%	6%	11%	14%	13%
Below L1 <sup>2</sup>	10%	21%	17%	0%	3%	2%	4%	7%	5%	5%	14%	11%
Level 1	8%	15%	13%	15%	23%	20%	18%	25%	25%	14%	20%	17%
Level 2	46%	34%	37%	61%	51%	52%	32%	38%	39%	43%	37%	40%
Level 3	30%	20%	25%	18%	14%	19%	42%	23%	24%	26%	14%	19%
Level 4	0%	0%	<1%	0%	0%	<1%	0%	<1%	<1%	1%	<1%	<1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Applied Mathematics Program

## Results by Gender\*

### Method 1

	School Results		Board Results		Provincial Results	
	Girls # = 25	Boys # = 63	Girls # = 990	Boys # = 1 193	Girls # = 21 387	Boys # = 26 625
Exempt	0%	-	7%	5%	2%	2%
No Data	-	6%	5%	7%	7%	7%
NEIS <sup>1</sup>	-	-	3%	5%	3%	5%
Below L1 <sup>2</sup>	-	-	12%	10%	8%	9%
Level 1	-	8%	21%	23%	21%	19%
Level 2	48%	43%	36%	32%	38%	36%
Level 3	20%	33%	15%	17%	21%	21%
Level 4	-	0%	-	0%	<1%	<1%

## Results for Students with Special Needs (excluding Gifted)

### Method 1

	School Results		Board Results		Provincial Results	
	Special Needs # = 58	All Other Students # = 36	Special Needs # = 747	All Other Students # = 1 457	Special Needs # = 11 959	All Other Students # = 36 467
Exempt	-	0%	9%	5%	4%	1%
No Data	10%	-	5%	7%	6%	8%
NEIS <sup>1</sup>	-	-	4%	4%	4%	4%
Below L1 <sup>2</sup>	-	-	16%	8%	13%	7%
Level 1	7%	14%	21%	23%	24%	19%
Level 2	36%	56%	31%	35%	34%	38%
Level 3	33%	22%	14%	17%	15%	23%
Level 4	-	0%	-	-	<1%	<1%

\* Results by gender include only students for whom gender data were available.

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Applied Mathematics Program, cont'd

## Results for Students in ESL/ELD Programs

### Method 1

	School Results		Board Results		Provincial Results	
	ESL/ELD # = n/a	All Other Students # = 91	ESL/ELD # = 189	All Other Students # = 2 015	ESL/ELD # = 2 236	All Other Students # = 46 190
Exempt	-	-	26%	4%	15%	1%
No Data	-	8%	3%	7%	6%	8%
NEIS <sup>1</sup>	-	-	4%	4%	6%	4%
Below L1 <sup>2</sup>	-	-	14%	10%	21%	8%
Level 1	-	10%	15%	23%	20%	20%
Level 2	-	43%	24%	35%	22%	38%
Level 3	-	29%	14%	16%	9%	21%
Level 4	-	-	0%	-	<1%	<1%

## Results by Semester of Study

### Method 1

	School Results			Board Results			Provincial Results		
	First-Semester # = 45	Second-Semester # = 49	Full-Year # = 0	First-Semester # = 794	Second-Semester # = 913	Full-Year # = 497	First-Semester # = 21 032	Second-Semester # = 20 927	Full-Year # = 6 464
Exempt	-	0%		8%	8%	0%	2%	2%	2%
No Data	-	10%		5%	7%	7%	6%	8%	13%
NEIS <sup>1</sup>	-	-		6%	4%	3%	4%	4%	4%
Below L1 <sup>2</sup>	0%	-		12%	9%	11%	9%	8%	9%
Level 1	11%	8%		20%	22%	26%	19%	21%	20%
Level 2	49%	39%		34%	33%	36%	38%	37%	33%
Level 3	22%	35%		15%	16%	17%	21%	21%	19%
Level 4	-	0%		-	0%	-	<1%	<1%	<1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1



**Grade 9 Assessment of Mathematics, 2002-2003  
School Results**

**Board:** Toronto Catholic District School Board (067059)  
**School:** Cardinal Newman HS (694193)

**Overall Level of Achievement for Students in Academic Mathematics  
Program**

	Number	Percentage <sup>1</sup>	
		Method 1	Method 2
Exempt	0	0%	N/A
No Data	3	1%	N/A
NEIS <sup>2</sup>	0	0%	0%
Below L1 <sup>3</sup>	0	0%	0%
Level 1	49	21%	21%
Level 2	54	23%	23%
Level 3	122	52%	53%
Level 4	5	2%	2%

<sup>1</sup> Percentages may not sum to 100, due to rounding.

<sup>2</sup> Not Enough Information to Score

<sup>3</sup> Below Level 1

## Grade 9 Results: Detailed Overall Achievement Results for Students in Academic Mathematics Program

### Overall, Method 1

	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717
Exempt	0%	1%	<1%
No Data	1%	2%	2%
NEIS <sup>1</sup>	0%	<1%	<1%
Below L1 <sup>2</sup>	0%	1%	1%
Level 1	21%	20%	14%
Level 2	23%	18%	17%
Level 3	52%	54%	61%
Level 4	2%	4%	5%

### Overall, Method 2

	School Results # = 230	Board Results # = 4 597	Provincial Results # = 98 147
NEIS <sup>1</sup>	0%	<1%	<1%
Below L1 <sup>2</sup>	0%	1%	1%
Level 1	21%	20%	15%
Level 2	23%	19%	17%
Level 3	53%	56%	62%
Level 4	2%	4%	5%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement Results for Students in Academic Mathematics Program

### Categories, Method 1

	Knowledge/Understanding			Application			Problem Solving			Communication		
	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717
Exempt	0%	1%	<1%	0%	1%	<1%	0%	1%	<1%	0%	1%	<1%
No Data	1%	2%	2%	1%	2%	2%	1%	2%	2%	1%	2%	2%
NEIS <sup>1</sup>	0%	1%	1%	<1%	1%	1%	2%	2%	2%	0%	1%	1%
Below L1 <sup>2</sup>	<1%	1%	<1%	4%	5%	3%	<1%	1%	<1%	0%	<1%	<1%
Level 1	19%	19%	14%	22%	18%	13%	37%	35%	28%	9%	8%	5%
Level 2	18%	14%	13%	12%	11%	11%	17%	15%	14%	44%	39%	36%
Level 3	60%	61%	67%	57%	55%	60%	38%	39%	45%	46%	49%	55%
Level 4	1%	2%	3%	3%	7%	9%	5%	5%	8%	0%	<1%	<1%

### Categories, Method 2

	Knowledge/Understanding			Application			Problem Solving			Communication		
	School Results # = 230	Board Results # = 4 597	Provincial Results # = 98 142	School Results # = 230	Board Results # = 4 597	Provincial Results # = 98 131	School Results # = 230	Board Results # = 4 595	Provincial Results # = 98 129	School Results # = 230	Board Results # = 4 595	Provincial Results # = 98 129
NEIS <sup>1</sup>	0%	1%	1%	<1%	1%	1%	2%	2%	2%	0%	1%	1%
Below L1 <sup>2</sup>	<1%	1%	<1%	4%	5%	3%	<1%	1%	<1%	0%	<1%	<1%
Level 1	20%	20%	14%	22%	18%	13%	38%	36%	29%	9%	8%	5%
Level 2	18%	14%	13%	12%	11%	11%	17%	16%	15%	45%	40%	37%
Level 3	61%	62%	69%	58%	56%	62%	38%	40%	46%	47%	50%	56%
Level 4	1%	3%	3%	3%	7%	9%	5%	5%	8%	0%	<1%	<1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

## Grade 9 Results: Detailed Achievement for Results Students in Academic Mathematics Program

### Strands, Method 1

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717	School Results # = 233	Board Results # = 4 712	Provincial Results # = 100 717
Exempt	0%	1%	<1%	0%	1%	<1%	0%	1%	<1%	0%	1%	<1%
No Data	1%	2%	2%	1%	2%	2%	1%	2%	2%	1%	2%	2%
NEIS <sup>1</sup>	0%	1%	1%	0%	1%	1%	0%	1%	1%	1%	2%	1%
Below L1 <sup>2</sup>	0%	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	3%	3%	2%
Level 1	18%	15%	12%	13%	13%	9%	15%	15%	12%	24%	18%	14%
Level 2	23%	21%	19%	31%	23%	21%	36%	33%	30%	18%	19%	17%
Level 3	58%	57%	63%	47%	49%	53%	47%	48%	53%	52%	55%	62%
Level 4	1%	2%	3%	8%	10%	13%	1%	1%	1%	<1%	1%	1%

### Strands, Method 2

	Number Sense and Algebra			Relationships			Analytic Geometry			Measurement and Geometry		
	School Results # = 230	Board Results # = 4 594	Provincial Results # = 98 130	School Results # = 230	Board Results # = 4 594	Provincial Results # = 98 127	School Results # = 230	Board Results # = 4 597	Provincial Results # = 98 132	School Results # = 230	Board Results # = 4 595	Provincial Results # = 98 114
NEIS <sup>1</sup>	0%	1%	1%	0%	1%	1%	0%	1%	1%	1%	2%	1%
Below L1 <sup>2</sup>	0%	<1%	<1%	0%	<1%	<1%	0%	<1%	<1%	3%	3%	2%
Level 1	18%	16%	12%	13%	14%	10%	15%	15%	12%	25%	18%	14%
Level 2	23%	22%	19%	32%	24%	21%	37%	34%	31%	19%	19%	18%
Level 3	58%	59%	65%	47%	51%	54%	47%	49%	55%	52%	56%	64%
Level 4	1%	2%	3%	8%	10%	14%	1%	1%	1%	<1%	1%	1%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Academic Mathematics Program

## Results by Gender\*

### Method 1

	School Results		Board Results		Provincial Results	
	Girls # = 125	Boys # = 105	Girls # = 2 546	Boys # = 2 148	Girls # = 51 352	Boys # = 48 750
Exempt	0%	0%	1%	<1%	<1%	1%
No Data	-	0%	2%	2%	2%	2%
NEIS <sup>1</sup>	0%	0%	<1%	<1%	<1%	<1%
Below L1 <sup>2</sup>	0%	0%	1%	1%	<1%	1%
Level 1	22%	21%	20%	20%	14%	14%
Level 2	21%	27%	19%	17%	17%	17%
Level 3	53%	52%	53%	56%	61%	61%
Level 4	4%	0%	4%	4%	5%	5%

## Results for Students with Special Needs (excluding Gifted)

### Method 1

	School Results		Board Results		Provincial Results	
	Special Needs # = n/a	All Other Students # = 222	Special Needs # = 193	All Other Students # = 4 519	Special Needs # = 4 181	All Other Students # = 96 536
Exempt	-	0%	3%	1%	2%	<1%
No Data	-	-	2%	2%	2%	2%
NEIS <sup>1</sup>	-	0%	0%	<1%	1%	<1%
Below L1 <sup>2</sup>	-	0%	-	1%	1%	<1%
Level 1	-	22%	30%	19%	24%	14%
Level 2	-	23%	20%	18%	20%	17%
Level 3	-	52%	42%	55%	47%	61%
Level 4	-	2%	2%	4%	3%	5%

\* Results by gender include only students for whom gender data were available.

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1

# Grade 9 Achievement Results by Contextual Factors for Students in Academic Mathematics Program, cont'd

## Results for Students in ESL/ELD Programs

### Method 1

	School Results		Board Results		Provincial Results	
	ESL/ELD # = n/a	All Other Students # = 232	ESL/ELD # = 105	All Other Students # = 4 607	ESL/ELD # = 3 045	All Other Students # = 97 672
Exempt	-	0%	11%	<1%	11%	<1%
No Data	-	-	-	2%	2%	2%
NEIS <sup>1</sup>	-	0%	-	<1%	1%	<1%
Below L1 <sup>2</sup>	-	0%	5%	1%	3%	<1%
Level 1	-	21%	24%	20%	23%	14%
Level 2	-	23%	15%	18%	14%	17%
Level 3	-	53%	38%	55%	41%	61%
Level 4	-	2%	4%	4%	4%	5%

## Results by Semester of Study

### Method 1

	School Results			Board Results			Provincial Results		
	First-Semester # = 114	Second-Semester # = 119	Full-Year # = 0	First-Semester # = 1 862	Second-Semester # = 1 634	Full-Year # = 1 216	First-Semester # = 42 322	Second-Semester # = 40 310	Full-Year # = 18 082
Exempt	0%	0%		1%	1%	-	1%	<1%	<1%
No Data	-	-		2%	1%	3%	1%	2%	5%
NEIS <sup>1</sup>	0%	0%		<1%	<1%	-	<1%	<1%	<1%
Below L1 <sup>2</sup>	0%	0%		1%	1%	1%	1%	<1%	1%
Level 1	24%	18%		20%	21%	18%	14%	14%	14%
Level 2	25%	21%		20%	17%	17%	18%	17%	15%
Level 3	47%	57%		52%	54%	58%	61%	61%	59%
Level 4	-	-		4%	4%	4%	5%	4%	6%

<sup>1</sup> Not Enough Information to Score

<sup>2</sup> Below Level 1