## 2022-2023

## STUDENT LEARNING UPDATE



OTTAWA-CARLETON DISTRICT SCHOOL BOARD


REPORTING SCHEDULE: The Student Learning Update will be organized into three reports, using the structure outlined for the Student Achievement Plan from the Ministry of Education. This report contains Part One.

## INTRODUCTION

## OBJECTIVE AND SCOPE

Our achievement data will be organized into three reports. Aligned with priority \#1 in the Ministry Student Achievement Plan (SAP), this report focuses on literacy and mathematics. The Ministry SAP required reporting for this priority is based on EQAO results, which are highlighted below and further explored based on student demographic characteristics. In addition, this report includes student perceptual data to better understand interest and confidence in literacy and mathematics.


To monitor progress and inform ongoing planning to support underserved students, achievement data (report cards) is further explored by student demographic characteristics from our student information system and Valuing Voices survey.


## 

READING - \% met standard, 2022-23

| OCOSB | PRoulice |
| :---: | :---: |
| Gr. 3 746 72\% | 73\% 73\% |
| Gr. 6 85\% 84\% | 85\% 84\% |

WRITING - \% met standard, 2022-23

| ocosb | PROUIMCE |
| :---: | :---: |
| Gr. 3 66\% 64\% | ${ }^{655} 65$ |
| Gr. 6 845 83\% | 847\% 84\% |

OSSLT - \% successful, 2022-23

First-
Time
Eligible

## SUMMARY OBSERVATIONS: EOAO

The elementary EQAO achievement results for reading and writing are largely on par with results across the province. The percentage of students meeting or exceeding the provincial standard (i.e., achieving level 3 or 4) is within $1 \%$ of the provincial scores. Compared to 2021-2022, there is a slight reduction (1-2\%) in the percentage of students meeting the provincial standard across the grade 3 and 6 reading and writing assessments.

At the secondary level, results for first-time eligible students are modestly higher than the province and compared to our 2021-2022 results.

EQAO STUDENT QUESTIONNARE


## Observations:

Student perceptual data provides insight on interest and confidence in literacy. Responses show that ratings for reading and writing tend to be higher in lower grades. There is a notable difference in the percentage of students who find reading and writing to be among their favorite activities between grades 3 and 6 .

Also of interest is the observation that ratings tend to be higher for reading than for writing, across the literacy assessments.

## EQAO - MATHEMATICS <br> ${ }^{3}{ }_{5}^{4}$ 凅卤 $+\%$ \% <br> 

MATHEMATICS - \% met standard, 2022-23

| coss | PROUICE |
| :---: | :---: |
| Gr. 3 61\% 61\% | ${ }^{59 \%} 60 \%$ |
| Gr. $6^{\text {52\% }}$ 52\% | 4770 |
| ocoss | PROUIMEE |
| Gr. 9 5\%\% 55\% | ${ }^{522} 505$ |

(6)Math will be a particular area of focus as we monitor the implementation of destreaming and the new math curriculum.

## EAAO STUDENT QUESTIONNARE



## Observations:

As with literacy, interest in math tends to be higher in lower grade levels. The most notable difference across grades is between grades 3 and 6 . Of interest, students' belief in the importance of being good at math remains relatively high across the grades.


## EQUITY SPOTLIOHT - EQAO

## READING \& WRITING

\% of students meeting standard


## MATHEMATICS

|  |  | \% of students meeting standard |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  | OCDSB | PROVINCE | $\square$ |
| $3$ | MLL | 31\% | 55\% | + |
|  | SPED | 40\% | 29\% | $\pm \square$ |
|  | NOD | 45\% | 40\% | \% |
|  | SES | 48\% | N/D |  |
| $8$ | MLL | 34\% | 45\% |  |
|  | SPED | 28\% | 23\% |  |
|  | INDG | 27\% | 27\% |  |
|  | SES | 40\% | N/D |  |
| $0$ | MLI | 36\% | 34\% |  |
|  | SPED | 37\% | 27\% |  |
|  | INDG | 35\% | 30\% | $\bigcirc$ |
|  | SES | 41\% | N/D |  |

## RESULTS FOR UNDERSERVED STUDENTS

## Observations:

EQAO data is available for multilingual learners (MLL), students with special education needs (excluding gifted; SPED); students who identify as Indigenous (INDG), and students residing in low-income neighbourhoods (SES).

MLL: Results show that additional support is needed for our multilingual learners in elementary, with particular attention at the grade 3 level. In secondary, OCDSB multilingual learners outperformed their provincial counterparts, most notably on the OSSLT.

SPED: Students with special education needs (excluding gifted) have lower rates of success across EQAO assessments compared to all students, but outperform their provincial counterparts.

INDG: OCDSB students who identify as Indigenous have lower rates of success across EQAO assessments compared to all students, but outperform their provincial counterparts.

SES: Students residing in lowincome neighbourhoods are identified based on custom tabulations of postal code data and so we do not have provincial comparison data. Compared to all OCDSB students, students in lowincome neighbourhoods were less likely to be successful across EQAO assessments.

## REPORT CARD OUTCOMES



Based on report card data, we can make observations regarding group differences in terms of literacy and math. Several groups continue to be underserved, in particular students who identify as Indigenous, Black, multilingual learners, gender diverse, students with a special education need, students residing low-income neighbourhoods, and students reporting certain disabilities.


## ELEMENTARY REPORT CARD

Grades 1-8, \% of students meeting provincial standard in Reading, Writing and Mathematics.

| provincial standard in Reading, <br> Writing and Mathematics. | $2022-23$ | $2021-22$ | $2022-23$ | $2021-22$ | $2022-23$ | $2021-22$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ALL STUDENIS | $82 \%$ | $83 \%$ | $77 \%$ | $80 \%$ | $81 \%$ | $82 \%$ |
| MLL | $76 \%$ | $76 \%$ | $72 \%$ | $74 \%$ | $74 \%$ | $74 \%$ |
| LOW-SES | $75 \%$ | $77 \%$ | $69 \%$ | $71 \%$ | $73 \%$ | $74 \%$ |
| FEMALE | $84 \%$ | $86 \%$ | $82 \%$ | $84 \%$ | $80 \%$ | $81 \%$ |
| MALE | $80 \%$ | $81 \%$ | $72 \%$ | $75 \%$ | $82 \%$ | $83 \%$ |
| SELF-IDENTIFIED GENDER | $83 \%$ | $84 \%$ | $82 \%$ | $89 \%$ | $73 \%$ | $74 \%$ |
| GENDER NOT DISCLOSED | $83 \%$ | $88 \%$ | $83 \%$ | $81 \%$ | $83 \%$ | $73 \%$ |
| INDIGENOUS | $69 \%$ | $72 \%$ | $61 \%$ | $66 \%$ | $64 \%$ | $67 \%$ |
| SPECIAL EDUCATION NEED | $74 \%$ | $76 \%$ | $64 \%$ | $69 \%$ | $68 \%$ | $69 \%$ |

## SECONDARY REPORT CARD

Grades 9-10, \% of students meeting provincial standard. Destreamed, Academic, Applied and Locally Developed Courses.

| streamed, Academic, Applied and |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| Locally Developed Courses. | 2022-23 | $2021-22$ | $2022-23$ | $2021-22$ |
| ALL STUDENIS | $78 \%$ | $79 \%$ | $65 \%$ | $70 \%$ |
| MLL | $69 \%$ | $71 \%$ | $58 \%$ | $64 \%$ |
| LOW-SES | $69 \%$ | $68 \%$ | $56 \%$ | $59 \%$ |
| FEMALE | $84 \%$ | $85 \%$ | $68 \%$ | $72 \%$ |
| MALE | $72 \%$ | $74 \%$ | $62 \%$ | $67 \%$ |
| SELF-IDENTIFIED CENDER | $74 \%$ | $68 \%$ | $60 \%$ | $60 \%$ |
| GENDER NOT DISCLOSED | $70 \%$ | $75 \%$ | $76 \%$ | $67 \%$ |
| INDIGENOUS | $54 \%$ | $58 \%$ | $38 \%$ | $46 \%$ |
| SPECIAL EDUCATION NEED | $62 \%$ | $64 \%$ | $44 \%$ | $50 \%$ |


| Based on available final (June) report card marks, 2022-2023 Academic Year |  | Achievement Outcomes (\% met provincial standard) |  |  |  |  |  |  |  |  | Disproportionalities in Achievement (relative difference in \% met provincial standard compared to the general population) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Language* (Reading \& Writing) |  |  | Language Reading |  |  | Language Writing |  |  |  |  |  |
|  |  |  | $\begin{aligned} & \dot{\text { º }} \\ & \dot{\omega} \\ & \dot{0} \\ & \sum_{0}^{\circ} \end{aligned}$ |  |  |  |  | $\begin{aligned} & \text { n } \\ & \sum_{\#}^{\text {Non }} \\ & \hline \end{aligned}$ |  |  |  |  |  |
| All Students (District) | 43,436 | 78,665 | 79\% | -2\% | 39,342 | 82\% | -1\% | 39,323 | 77\% | -3\% |  |  |  |
| Multilingual Learners (ESL/ELD) | 7,701 | 15,043 | 74\% | -1\% | 7,520 | 76\% | 0\% | 7,523 | 72\% | -2\% | 0.93 | 0.93 | 0.93 |
| Low-SES | 12,242 | 22,301 | 72\% | -2\% | 11,154 | 75\% | -1\% | 11,147 | 69\% | -2\% | 0.91 | 0.92 | 0.90 |
| Female | 20,825 | 37,725 | 83\% | -2\% | 18,861 | 84\% | -2\% | 18,864 | 82\% | -2\% | 1.05 | 1.03 | 1.07 |
| Male | 22,428 | 40,597 | 76\% | -2\% | 20,309 | 80\% | -1\% | 20,288 | 72\% | -3\% | 0.96 | 0.98 | 0.94 |
| Self Identified Gender | 159 | 295 | 83\% | -4\% | 148 | 83\% | -1\% | 147 | 82\% | -6\% | 1.04 | 1.01 | 1.07 |
| Gender Not Disclosed | 24 | 48 | 83\% | -1\% | 24 | 83\% | -5\% | 24 | 83\% | 3\% | 1.05 | 1.02 | 1.09 |
| Indigenous | 829 | 1,494 | 65\% | -4\% | 748 | 69\% | -3\% | 746 | 61\% | -6\% | 0.82 | 0.84 | 0.79 |
| SpEd (excl. gifted) | 7,487 | 14,427 | 69\% | -3\% | 7,219 | 74\% | -2\% | 7,208 | 64\% | -4\% | 0.87 | 0.90 | 0.84 |
| Valuing Voices Survey Respondents** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Indigenous Identity - All Respondents | 8,755 | 17,330 | 83\% | -1\% | 8,667 | 85\% | 0\% | 8,663 | 80\% | -1\% |  |  |  |
| Does not identify as Indigenous | 8,493 | 16,822 | 83\% | -1\% | 8,413 | 86\% | 0\% | 8,409 | 80\% | -1\% | 1.00 | 1.00 | 1.00 |
| First Nation | 197 | 380 | 72\% | 1\% | 190 | 76\% | 4\% | 190 | 68\% | -3\% | 0.87 | 0.89 | 0.86 |
| Métis | 77 | 150 | 76\% | 5\% | 75 | 79\% | 5\% | 75 | 73\% | 5\% | 0.92 | 0.92 | 0.92 |
| Inuit | 55 | 104 | 70\% | -9\% | 52 | 75\% | -5\% | 52 | 65\% | -12\% | 0.85 | 0.88 | 0.82 |
| Race - All Respondents | 8,518 | 16,857 | 83\% | -1\% | 8,430 | 86\% | 0\% | 8,427 | 80\% | -1\% |  |  |  |
| Black | 596 | 1,155 | 74\% | 0\% | 578 | 79\% | 2\% | 577 | 69\% | -2\% | 0.90 | 0.93 | 0.87 |
| East Asian | 737 | 1,468 | 93\% | 1\% | 734 | 94\% | 1\% | 734 | 91\% | 1\% | 1.12 | 1.10 | 1.14 |
| Indigenous | 175 | 337 | 73\% | 0\% | 168 | 77\% | 2\% | 169 | 69\% | -3\% | 0.89 | 0.90 | 0.87 |
| Latino/Latina/Latinx | 170 | 337 | 79\% | -3\% | 169 | 82\% | -1\% | 168 | 75\% | -6\% | 0.95 | 0.96 | 0.94 |
| Middle Eastern | 1,289 | 2,546 | 77\% | -2\% | 1,273 | 80\% | -1\% | 1,273 | 75\% | -3\% | 0.94 | 0.94 | 0.93 |
| South Asian | 683 | 1,354 | 88\% | 0\% | 677 | 89\% | -1\% | 677 | 86\% | 1\% | 1.06 | 1.04 | 1.08 |
| Southeast Asian | 283 | 564 | 88\% | 2\% | 282 | 91\% | 4\% | 282 | 84\% | 0\% | 1.06 | 1.06 | 1.06 |
| White | 5,386 | 10,679 | 83\% | -1\% | 5,340 | 86\% | 0\% | 5,339 | 80\% | -2\% | 1.01 | 1.01 | 1.00 |
| Another race not listed | 266 | 520 | 79\% | -1\% | 260 | 84\% | 1\% | 260 | 73\% | -2\% | 0.95 | 0.98 | 0.92 |
| Gender Identity - All Respondents | 8,343 | 16,515 | 83\% | -1\% | 8,259 | 86\% | 0\% | 8,256 | 80\% | -1\% |  |  |  |
| Boy or Man | 4,361 | 8,628 | 80\% | -1\% | 4,314 | 84\% | 0\% | 4,314 | 76\% | -1\% | 0.96 | 0.98 | 0.94 |
| Gender Fluid | 17 | 34 | 79\% | -2\% | 17 | 88\% | 13\% | 17 | 71\% | -17\% | 0.96 | 1.03 | 0.88 |
| Gender Non-Conforming | 23 | 44 | 75\% | -8\% | 22 | 82\% | -4\% | 22 | 68\% | -13\% | 0.91 | 0.96 | 0.85 |
| Girl or Woman | 4,007 | 7,939 | 86\% | -1\% | 3,970 | 88\% | -1\% | 3,969 | 85\% | -1\% | 1.04 | 1.02 | 1.06 |
| Non-Binary | 8 | 16 | 94\% | -6\% | 8 | 100\% | 0\% | 8 | 88\% | -13\% | 1.13 | 1.17 | 1.09 |
| Questioning | 15 | 29 | 72\% | -4\% | 15 | 80\% | -1\% | 14 | 64\% | -7\% | 0.87 | 0.93 | 0.80 |
| Trans Boy or Man | 4 | 7 | 86\% | 2\% | 4 | 75\% | -8\% | 3 | 100\% | 17\% | 1.03 | 0.88 | 1.25 |
| Trans Girl or Woman | 8 | 16 | 94\% | 29\% | 8 | 100\% | 30\% | 8 | 88\% | 28\% | 1.13 | 1.17 | 1.09 |
| Two-Spirit | 2 | 4 | 100\% | 25\% | 2 | 100\% | 50\% | 2 | 100\% | 0\% | 1.21 | 1.17 | 1.25 |
| Not Listed | 28 | 54 | 83\% | 2\% | 27 | 85\% | -2\% | 27 | 81\% | 6\% | 1.01 | 0.99 | 1.02 |
| Not Sure | 64 | 128 | 80\% | -4\% | 64 | 83\% | -5\% | 64 | 78\% | -4\% | 0.97 | 0.97 | 0.98 |
| Gender Diverse (composite) | 90 | 174 | 81\% | 1\% | 88 | 84\% | 2\% | 86 | 78\% | 0\% | 0.98 | 0.98 | 0.97 |
| Self-Identified Disability - All Responde | 8,039 | 15,928 | 83\% | -1\% | 7,967 | 86\% | 0\% | 7,961 | 81\% | -2\% |  |  |  |
| Does not identify as having a disability | 7,324 | 14,544 | 84\% | -1\% | 7,274 | 86\% | -1\% | 7,270 | 81\% | -2\% | 1.01 | 1.01 | 1.01 |
| Addiction(s) | 1 | 2 | 0\% | -50\% | 1 | 0\% | -100\% | 1 | 0\% | 0\% | 0.00 | 0.00 | 0.00 |
| Autism Spectrum Disorder | 215 | 404 | 75\% | 0\% | 203 | 80\% | -1\% | 201 | 71\% | 2\% | 0.91 | 0.93 | 0.88 |
| Blind or Low Vision | 8 | 16 | 81\% | 6\% | 8 | 88\% | 9\% | 8 | 75\% | 4\% | 0.98 | 1.02 | 0.93 |
| Chronic Pain | 0 | 0 |  | N/A | 0 |  | N/A | 0 |  | N/A | N/A | N/A | N/A |
| Deaf or Hard of Hearing | 34 | 66 | 71\% | -3\% | 33 | 70\% | -13\% | 33 | 73\% | 8\% | 0.86 | 0.82 | 0.90 |
| Developmental | 100 | 190 | 78\% | 0\% | 95 | 82\% | 0\% | 95 | 75\% | 1\% | 0.94 | 0.96 | 0.93 |
| Learning | 324 | 632 | 74\% | -3\% | 316 | 77\% | 0\% | 316 | 71\% | -5\% | 0.89 | 0.90 | 0.88 |
| Mental | 103 | 198 | 78\% | 2\% | 99 | 85\% | 8\% | 99 | 71\% | -4\% | 0.94 | 0.99 | 0.88 |
| Mobility | 13 | 22 | 91\% | 0\% | 11 | 91\% | 0\% | 11 | 91\% | 0\% | 1.10 | 1.06 | 1.13 |
| Physical | 46 | 90 | 79\% | 4\% | 45 | 82\% | 4\% | 45 | 76\% | 5\% | 0.95 | 0.96 | 0.94 |
| Speech Impairment | 94 | 183 | 76\% | 3\% | 92 | 80\% | 3\% | 91 | 71\% | 2\% | 0.92 | 0.94 | 0.89 |
| Undisclosed | 21 | 42 | 83\% | 1\% | 21 | 86\% | 3\% | 21 | 81\% | -1\% | 1.00 | 1.00 | 1.00 |
| Another disability not listed | 133 | 260 | 81\% | 5\% | 130 | 86\% | 7\% | 130 | 75\% | 3\% | 0.97 | 1.01 | 0.94 |


| Based on available final (June) report card marks, 2022-2023 Academic Year |  | provincial standard) |  |  | Achievement (relative difference in \% met provincial standard compared to the general population) |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\sum_{0}^{+}$ |  |  |
| All Students (District) | 43,436 | 42,614 | 81\% | -1\% |  |
| Multilinqual Learners (ESL/ELD) | 7,701 | 7,548 | 74\% | 0\% | 0.91 |
| Low-SES | 12.242 | 11.846 | 73\% | -1\% | 0.90 |
| Female | 20,825 | 20,455 | 80\% | -1\% | 0.99 |
| Male | 22,428 | 21,985 | 82\% | -1\% | 1.01 |
| Self Identified Gender | 159 | 150 | 73\% | -1\% | 0.91 |
| Gender Not Disclosed | 24 | 24 | 83\% | 10\% | 1.03 |
| Indigenous | 829 | 785 | 64\% | -3\% | 0.79 |
| SpEd (excl. qifted) | 7,487 | 7,285 | 68\% | -2\% | 0.84 |
| Valuina Voices Survey Respondents** |  |  |  |  |  |
| Indigenous Identity - All Respondents | 8,755 | 8,667 | 84\% | -1\% |  |
| Does not identify as Indigenous | 8,493 | 8,414 | 84\% | -1\% | 1.00 |
| First Nation | 197 | 190 | 71\% | -2\% | 0.85 |
| Métis | 77 | 75 | 72\% | 1\% | 0.86 |
| Inuit | 55 | 51 | 69\% | -4\% | 0.82 |
| Race - All Respondents | 8,518 | 8,431 | 84\% | -1\% |  |
| Black | 596 | 577 | 73\% | 0\% | 0.87 |
| East Asian | 737 | 733 | 94\% | -1\% | 1.12 |
| Indigenous | 175 | 168 | 73\% | -1\% | 0.86 |
| Latino/Latina/Latinx | 170 | 169 | 78\% | -1\% | 0.93 |
| Middle Eastern | 1,289 | 1,276 | 78\% | -1\% | 0.93 |
| South Asian | 683 | 677 | 90\% | 1\% | 1.06 |
| Southeast Asian | 283 | 281 | 83\% | -5\% | 0.98 |
| White | 5,386 | 5,339 | 85\% | -1\% | 1.01 |
| Another race not listed | 266 | 260 | 79\% | -3\% | 0.94 |
| Gender Identity - All Respondents | 8,343 | 8,260 | 84\% | -1\% |  |
| Bov or Man | 4,361 | 4,317 | 85\% | -1\% | 1.01 |
| Gender Fluid | 17 | 17 | 88\% | 1\% | 1.05 |
| Gender Non-Conformina | 23 | 22 | 86\% | -1\% | 1.03 |
| Girl or Woman | 4.007 | 3.970 | 83\% | -1\% | 0.99 |
| Non-Binarv | 8 | 8 | 88\% | 10\% | 1.04 |
| Ouestionina | 15 | 14 | 79\% | -2\% | 0.93 |
| Trans Boy or Man | 4 | 3 | 67\% | 0\% | 0.79 |
| Trans Girl or Woman | 8 | 8 | 88\% | 8\% | 1.04 |
| Two-Spirit | 2 | 2 | 50\% | 0\% | 0.59 |
| Not Listed | 28 | 27 | 85\% | -4\% | 1.01 |
| Not Sure | 64 | 64 | 83\% | -6\% | 0.98 |
| Gender Diverse (composite) | 90 | 86 | 81\% | -2\% | 0.97 |
| Self-Identified Disability - All Responde | 8,039 | 7,967 | 85\% | -1\% |  |
| Does not identify as havina a disability | 7,324 | 7.272 | 85\% | -1\% | 1.01 |
| Addiction(s) | 1 | 1 | 0\% | 0\% | 0.00 |
| Autism Spectrum Disorder | 215 | 204 | 81\% | 0\% | 0.96 |
| Blind or Low Vision | 8 | 8 | 100\% | 33\% | 1.18 |
| Chronic Pain | - | 0 | N/A | N/A | N/A |
| Deaf or Hard of Hearina | 34 | 34 | 82\% | 10\% | 0.97 |
| Developmental | 100 | 96 | 86\% | 0\% | 1.02 |
| Learnina | 324 | 317 | 74\% | -3\% | 0.87 |
| Mental | 103 | 99 | 82\% | 3\% | 0.97 |
| Mobility | 13 | 12 | 75\% | -8\% | 0.89 |
| Physical | 46 | 46 | 76\% | 2\% | 0.90 |
| Speech Impairment | 94 | 93 | 89\% | 7\% | 1.05 |
| Undisclosed | 21 | 21 | 90\% | 10\% | 1.07 |
| Another disability not listed | 133 | 131 | 76\% | -5\% | 0.89 |


| Secondary (Gr9\&10) Course Achievement based on final report card marks, 2022-2023 Academic Year | Secondary Achievement Outcomes - <br> ENGLISH (\% met provincial standard) |  |  | Disproportionalities in Achievement <br> (relative difference in \% met provincial standard compared to the general population) |
| :---: | :---: | :---: | :---: | :---: |
|  | Destreamed, Academic, Applied and Locally Developed Courses |  |  |  |
|  |  |  |  |  |
| All Students (District) | 11,656 | 78\% | -1\% |  |
| Multilingual Learners (ESL/ELD) | 2,476 | 69\% | -2\% | 0.89 |
| Low-SES | 3,669 | 69\% | 1\% | 0.89 |
| Female | 5,640 | 84\% | 0\% | 1.09 |
| Male | 5,843 | 72\% | -2\% | 0.92 |
| Self Identified Gender | 150 | 74\% | 6\% | 0.95 |
| Gender Not Disclosed | 23 | 70\% | -5\% | 0.89 |
| Indigenous | 240 | 54\% | -4\% | 0.70 |
| SpEd (excl. gifted) | 2,695 | 62\% | -2\% | 0.80 |
| Valuing Voices Survey Respondents** |  |  |  |  |
| Indigenous Identity - All Respondents | 4,345 | 80\% | -2\% |  |
| Does not identify as Indigenous | 4,195 | 81\% | -2\% | 1.01 |
| First Nation | 105 | 60\% | -4\% | 0.75 |
| Métis | 41 | 51\% | -13\% | 0.64 |
| Inuit | 24 | 58\% | 4\% | 0.73 |
| Race - All Respondents | 4,219 | 81\% | -2\% |  |
| Black | 310 | 68\% | -1\% | 0.84 |
| East Asian | 454 | 92\% | -2\% | 1.14 |
| Indigenous | 92 | 60\% | -5\% | 0.74 |
| Latino/Latina/Latinx | 79 | 78\% | -4\% | 0.97 |
| Middle Eastern | 539 | 72\% | -3\% | 0.90 |
| South Asian | 301 | 88\% | -1\% | 1.09 |
| Southeast Asian | 143 | 81\% | -5\% | 1.01 |
| White | 2,620 | 82\% | -2\% | 1.02 |
| Another race not listed | 120 | 74\% | 2\% | 0.92 |
| Gender Identity - All Respondents | 4,254 | 81\% | -2\% |  |
| Boy or Man | 2,124 | 75\% | -2\% | 0.93 |
| Gender Fluid | 15 | 67\% | -15\% | 0.83 |
| Gender Non-Conforming | 4 | 75\% | -8\% | 0.93 |
| Girl or Woman | 2,042 | 87\% | -2\% | 1.08 |
| Non-Binary | 25 | 60\% | -14\% | 0.74 |
| Questioning | 28 | 75\% | -8\% | 0.93 |
| Trans Boy or Man | 10 | 40\% | -33\% | 0.50 |
| Trans Girl or Woman | 11 | 100\% | 31\% | 1.24 |
| Two-Spirit | 6 | 50\% | -20\% | 0.62 |
| Not Listed | 26 | 50\% | -23\% | 0.62 |
| Not Sure | 33 | 76\% | -1\% | 0.94 |
| Gender Diverse (composite) | 111 | 68\% | -9\% | 0.84 |
| Self-Identified Disability - All Respondents | 3,746 | 82\% | -2\% |  |
| Does not identify as having a disability | 3,368 | 83\% | -2\% | 1.02 |
| Addiction(s) | 8 | 38\% | -23\% | 0.46 |
| Autism Spectrum Disorder | 55 | 73\% | -6\% | 0.89 |
| Blind or Low Vision | 15 | 67\% | -8\% | 0.82 |
| Chronic Pain | 8 | 50\% | -43\% | 0.61 |
| Deaf or Hard of Hearing | 16 | 88\% | 17\% | 1.07 |
| Developmental | 8 | 50\% | -23\% | 0.61 |
| Learning | 188 | 68\% | -1\% | 0.83 |
| Mental | 68 | 56\% | -13\% | 0.68 |
| Mobility | 3 | 0\% | -50\% | 0.00 |
| Physical | 25 | 68\% | -14\% | 0.83 |
| Speech Impairment | 12 | 58\% | 4\% | 0.72 |
| Undisclosed | 39 | 54\% | -15\% | 0.66 |
| Another disability not listed | 69 | 67\% | -11\% | 0.82 |

Supplemental Table 4. Secondary (Gr.9-10) Mathematics Achivement.

| Secondary (Gr9\&10) Course Achievement based on final report card marks, 2022-2023 Academic Year | Secondary Achievement Outcomes MATHEMATICS (\% met provincial standard) Destreamed, Academic, Applied and Locally Developed Courses |  |  | Disproportionalities in Achievement <br> (relative difference in \% met provincial standard compared to the general population) |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
|  |  |  |  |  |
| All Students (District) | 12,612 | 65\% | -5\% |  |
| Multilingual Learners (ESL/ELD) | 3,416 | 58\% | -6\% | 0.89 |
| Low-SES | 4,537 | 56\% | -2\% | 0.87 |
| Female | 6,088 | 68\% | -4\% | 1.05 |
| Male | 6,362 | 62\% | -6\% | 0.95 |
| Self Identified Gender | 141 | 60\% | 0\% | 0.93 |
| Gender Not Disclosed | 21 | 76\% | 10\% | 1.18 |
| Indigenous | 228 | 38\% | -8\% | 0.58 |
| SpEd (excl. gifted) | 2,670 | 44\% | -6\% | 0.68 |
| Valuing Voices Survey Respondents** |  |  |  |  |
| Indigenous Identity - All Respondents | 4,238 | 65\% | -7\% |  |
| Does not identify as Indigenous | 4,092 | 66\% | -7\% | 1.02 |
| First Nation | 100 | 39\% | -14\% | 0.60 |
| Métis | 40 | 38\% | -13\% | 0.57 |
| Inuit | 26 | 27\% | -22\% | 0.41 |
| Race - All Respondents | 4,121 | 66\% | -7\% |  |
| Black | 327 | 45\% | -13\% | 0.68 |
| East Asian | 366 | 86\% | -5\% | 1.32 |
| Indigenous | 86 | 36\% | -10\% | 0.55 |
| Latino/Latina/Latinx | 73 | 67\% | -1\% | 1.02 |
| Middle Eastern | 567 | 57\% | -7\% | 0.86 |
| South Asian | 290 | 77\% | -5\% | 1.18 |
| Southeast Asian | 139 | 72\% | -8\% | 1.10 |
| White | 2,558 | 67\% | -7\% | 1.02 |
| Another race not listed | 119 | 55\% | -10\% | 0.85 |
| Gender Identity - All Respondents | 4,158 | 65\% | -7\% |  |
| Boy or Man | 2,110 | 63\% | -8\% | 0.97 |
| Gender Fluid | 16 | 44\% | -27\% | 0.67 |
| Gender Non-Conforming | 4 | 75\% | 13\% | 1.15 |
| Girl or Woman | 1,960 | 68\% | -7\% | 1.04 |
| Non-Binary | 23 | 65\% | 4\% | 1.00 |
| Questioning | 25 | 64\% | 4\% | 0.98 |
| Trans Boy or Man | 13 | 31\% | -25\% | 0.47 |
| Trans Girl or Woman | 15 | 47\% | 5\% | 0.72 |
| Two-Spirit | 8 | 75\% | 5\% | 1.15 |
| Not Listed | 25 | 36\% | -22\% | 0.55 |
| Not Sure | 31 | 61\% | -17\% | 0.94 |
| Gender Diverse (composite) | 114 | 53\% | -10\% | 0.81 |
| Self-Identified Disability - All Respondents | 3,642 | 67\% | -7\% |  |
| Does not identify as having a disability | 3,264 | 69\% | -7\% | 1.03 |
| Addiction(s) | 9 | 33\% | -20\% | 0.50 |
| Autism Spectrum Disorder | 57 | 54\% | -10\% | 0.81 |
| Blind or Low Vision | 15 | 67\% | -7\% | 1.00 |
| Chronic Pain | 6 | 50\% | -25\% | 0.75 |
| Deaf or Hard of Hearing | 18 | 67\% | -2\% | 1.00 |
| Developmental | 10 | 70\% | 3\% | 1.05 |
| Learning | 182 | 51\% | -4\% | 0.76 |
| Mental | 65 | 45\% | -15\% | 0.67 |
| Mobility | 3 | 33\% | -4\% | 0.50 |
| Physical | 27 | 56\% | -14\% | 0.83 |
| Speech Impairment | 11 | 27\% | -11\% | 0.41 |
| Undisclosed | 40 | 43\% | -14\% | 0.63 |
| Another dis ability not listed | 75 | 45\% | -17\% | 0.68 |

Note. Calculation of disproportionality indices may be influenced by other factors, such as the number of students in a group, aspects of identity changing over time, changes in relation to who is responding, and loss of data as students progress through the education system. From a statistical perspective, caution is advised when interpreting indices where there are fewer than 30 total students and/or fewer than 10 students for a particular outcome.

