



Worrying Trends in BC's Testing of Grade 10 Students

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SUMMARY

- Only 52 percent of BC grade 10 students completed the grade 10 Literacy Assessment in 2019/20.
- Only 47 percent of BC grade 10 students completed the grade 10 Numeracy Assessment in 2019/20.
- Of those students who completed the grade 10 Literacy Assessment, 74 percent were proficient or above.
- Of those students who completed the grade 10 Numeracy Assessment, only 40 percent were proficient or above.
- Only 17 schools saw 90 percent or more students complete the grade 10 Literacy and Numeracy Assessments.
- COVID-19 related school closures, a push from the BC Teachers Federation for parents to pull their children from standardized testing, and a significant change to the nature of student testing in BC may have all contributed to the gap in testing data.

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Introduction

British Columbia has a long history of using standardized tests to help inform educators, parents, and taxpayers about the state of education in the province. BC's commitment to tests has served students, parents, and the province in general well as BC benefits from one of the lowest cost per-student education systems in the country (Emes, Li, and MacPherson, 2021) while performing comparatively well, scoring the fourth-highest in Canada in reading, science, and math, based on the most recent available Programme for International Student Assessment (PISA) test score data (Allison, 2019). This bulletin explores two worrying trends in standardized testing for grade 10 students in the province: 1) changes in the nature of the tests themselves, and 2) low and declining participation rates that influence the quality of the resulting data. These trends will worsen in 2020-21 due to the effects of COVID-19 and if they continue post-COVID, have the potential to adversely affect the province's education system and thus the futures of BC students.

Grade 10 testing in British Columbia

In 2018, the province began moving from standardized exams to student assessments, introducing a grade 10 Numeracy Assessment for the 2017/18 school year and a grade 10 Literacy Assessment in 2019/20. A grade 12 Literacy Assessment was to have been introduced in 2020/21 but was delayed until 2021/22. While students must complete these assessments before they graduate, they are not required to achieve a passing grade on them, and the assessments do not count toward a student's overall grade. Unlike the previous standardized exams, students are not assigned a percentage mark on the literacy and numeracy assessments, but rather are evaluated with terms

such as “emerging” or “proficient.” This is a shift away from the standardized nature of the previous exams, which assessed students' academic performance on a uniform scale using percentage grades. In addition, the percentage grades received on the earlier, standardized exams accounted for a portion of each student's final course mark, whereas the new literacy and numeracy assessments do not. This means the current tests have significantly lower stakes (i.e., consequences) for students, and indirectly for teachers and schools.

Objective, fair, standardized student testing remains a critical tool for measuring the success and improvement of students, teachers, and schools in BC. The Fraser Institute's *Report Card on British Columbia's Secondary Schools*, likewise, is a critical tool for education stakeholders to understand, measure, and compare standardized student assessment results. The shift from standardized student exams to low-stakes student assessments in BC, compounded by the gap in student assessment as highlighted in this study, makes it more challenging to objectively measure students' and schools' academic performance and progress.

For the purpose of this bulletin, from an initial list of 428 secondary schools (hereafter simply referred to as schools), 20 were eliminated because they mainly serve offshore or international students. A further 110 schools were eliminated because the data required to calculate participation ratios for the grade 10 Numeracy and Literacy Assessment were masked by the ministry to prevent the identification of individual students.¹ This left 298 schools that were included in this analysis.

¹ Test results for groups of fewer than 10 students are withheld (masked) if their release would allow anyone to identify individual students within the set

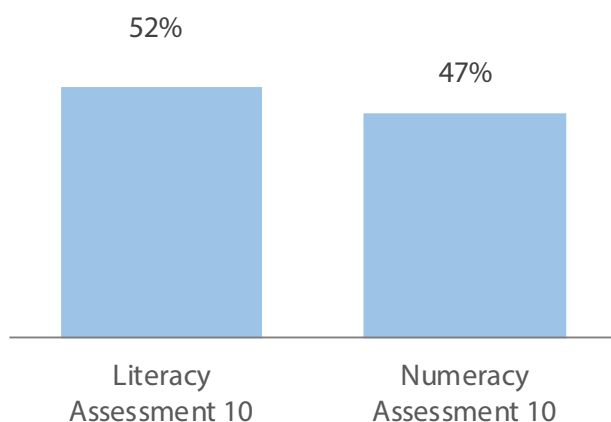
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Table 1: Grade 10 Students Who Have Taken the 2019/20 Literacy and Numeracy Assessment

	All students	Students who have written the assessment		Students who have not written the assessment	
	Number	Number	Percent	Number	Percent
Literacy Assessment 10	42,930	22,363	52%	20,567	48%
Numeracy Assessment 10	42,930	20,069	47%	22,861	53%

Sources: British Columbia, 2021c; 2021b.

Figure 1: Share of Grade 10 Students That Has Taken the 2019/20 Literacy and Numeracy Assessments



Sources: British Columbia, 2021b.

Declining participation

Table 1 shows the number of grade 10 students in British Columbia who wrote the grade 10 Numeracy Assessment and grade 10 Literacy Assessment along with the number who did not. As figure 1 illustrates, 52 percent of grade 10 students wrote the grade 10 Literacy Assessment, and 47 percent of grade 10 students wrote the grade 10 Numeracy Assessment. Although these tests are mandatory, only roughly half of BC's grade 10 students completed them in 2019-20.²

Appendix 1 is a detailed table that lists each school district and shows the share of grade 10 students who completed each assessment, by district and year. Appendix 1 is sorted by average 2019/20 numeracy and literacy rank, based on participation rates, where districts with high ratios rank at the top and those with low ra-

under study or from the combination of multiple sets of related information.

² Some students may be exempted from the assessment requirements but not the proportion of students who did not write the assessments as evidenced in this report.

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Table 2: Schools Where More than 90 Percent of Students have Written the 2019/20 Literacy and Numeracy Assessments

District	School Name	Literacy	Numeracy
23 (Central Okanagan)	Aberdeen Hall Senior	100%	100%
35 (Langley)	Fraser Valley Adventist Academy	100%	100%
36 (Surrey)	North Surrey Secondary	92%	91%
37 (Delta)	Southpointe Academy	98%	95%
38 (Richmond)	Matthew McNair Secondary	94%	94%
39 (Vancouver)	Vancouver Christian	98%	98%
39 (Vancouver)	Killarney Secondary	92%	93%
39 (Vancouver)	Point Grey Secondary	92%	92%
39 (Vancouver)	Vancouver Technical Secondary	99%	90%
41 (Burnaby)	Burnaby Central Secondary	95%	94%
41 (Burnaby)	Moscrop Secondary	94%	94%
41 (Burnaby)	Burnaby North Secondary	95%	94%
41 (Burnaby)	Burnaby South Secondary	92%	91%
43 (Coquitlam)	Port Moody Secondary	95%	97%
46 (Sunshine Coast)	Chatelech Secondary	90%	92%
53 (Okanagan Similkameen)	Osoyoos Secondary	92%	92%
79 (Cowichan Valley)	Brentwood College	97%	96%

Source: British Columbia, Ministry of Education (2021).

tios, or no results, rank at the bottom. For example, Burnaby is the top-ranked district overall, based on its third-place rank in both the 2019/20 Numeracy and 2019/20 Literacy Assessment ratios. Tellingly, though, in the District of Burnaby, 88 percent of grade 10 students wrote the Numeracy Assessment and 84 percent wrote the Literacy Assessment, both substantially below 100 percent of students completing the assessments. Also indicative of the deep-seated problems in participation rates is the fact that 19 of the province's total 60 school districts experienced declining par-

ticipation rates between the first Numeracy Assessment in 2017/18 and the 2019/20 assessment. In other words, the province experienced declining participation rates in nearly one-third of school districts, even though the participation rates were already worryingly low.

As table 2 details, only 17 secondary schools in the entire province recorded 90 percent or more of their grade 10 students completing the grade 10 Literacy and Numeracy Assessments. A total of 298 secondary schools in the province were included in this analysis, which means that

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only 5.7 percent of the schools included in the analysis achieved a participation rate of 90 percent or higher. This is commendable for these schools, but it highlights the need for other schools to improve their participation rates.

Appendix 2 shows that for all the schools included in the analysis for 2019/20, the participation rates range from zero to 100 percent for both literacy and numeracy. For example, in 2019/20, on the grade 10 Literacy Assessment 87 schools had participation rates below 25 percent and on the grade 10 Numeracy Assessment and 134 schools had participation rates above 75 percent. Appendix 2 is a detailed table listing participation rates in 2019/20 by assessment for each of the schools we were able to include in this analysis (i.e., for which we had enough data to calculate participation ratios for the grade 10 Literacy or Numeracy Assessment).

Participation rates for both of these assessments are generally low, especially given that their completion—not successfully passing, but just completing them—is considered a requirement for graduation in BC.

A number of factors could have affected the participation rates in 2019/20, but interestingly, BC's Ministry of Education has not yet determined or made public the explanation for the lower rates. Specifically, COVID-19 school closures in the spring of 2020 may have affected the participation rates as some of the students were permitted to write the assessments in the spring.

The grade 10 Literacy and Numeracy Assessments begin in the fall, but students can write the assessments at any one of four times during the school year: November, January, April, and June. BC Ministry of Education data show that participation in the June 2020 Numeracy

Assessment dropped to 2,964 students from 58,347 students³ the previous year (in June 2019).⁴ Participation rates vary from year to year, but this drop appears to be significant.

Importantly, however, overall participation rates in the grade 10 Numeracy Assessment were not dramatically different in 2018/19 compared to 2019/20 when all four writing periods (November, January, April, and June) are considered together. In other words, COVID-19 and associated government measures affected participation rates in BC secondary student assessments, but low participation rates in student assessments cannot be satisfactorily explained by the pandemic alone. Consider that two-thirds of schools included in this analysis saw their participation rates for the Numeracy Assessment increase between 2017/18 and 2019/20.

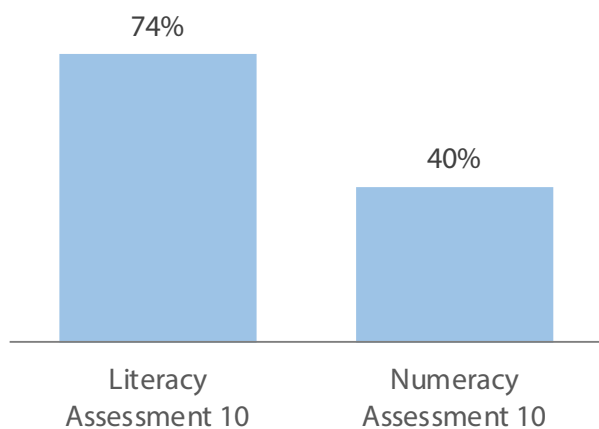
The grade 10 Literacy Assessment was introduced in 2019/20, but the grade 10 Numeracy Assessment was introduced in 2017/18, which means that we now have three years of assessment completion data, most of which show low participation rates. Appendix 1 indicates that in 2017/18, the province-wide share of grade 10 students who completed the grade 10 Numeracy Assessment was just 31 percent. In 2018/19, the share increased to 51 percent. In 2019/20, the share decreased only slightly to 47 percent.

³ There were 51,398 grade 10 students in BC in 2019/20 (British Columbia, 2021a) and 113,493 Numeracy 10 Assessments and 189,650 Literacy 10 Assessments written in 2019/20. The number of assessments written in the year greatly exceeds the number of grade 10 students because students in grades 11 and 12 can also write the assessment and students are allowed up to two re-writes.

⁴ Correspondence with British Columbia Ministry of Education, November 23, 2021, via email.

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Figure 2: Share of Grade 10 Students That Has Written the 2019/20 Literacy and Numeracy Assessment and That Is Proficient or Above Grade Level



Sources: British Columbia, 2021c.

The participation results for the Literacy Assessment, which was introduced in 2019/20, are only slightly better than the 2019/20 Numeracy Assessments for the province as a whole: 52 percent for Literacy versus 47 percent for Numeracy.

It's worth noting that the BC Teachers Federation, in an advocacy effort that long preceded the pandemic but was intensified following the BC school closures, is pushing for parents in the province to opt their children out of taking standardized tests. The union's message is that standardized student testing is unnecessary and should be stopped (Yuzda, 2021, February 16).

Student performance

There is a second concern beyond the low and in many cases declining participation rates: the performance levels achieved by those writing

Table 3: Grade 10 Students Who Have Taken the 2019/20 Literacy and Numeracy Assessment and Who Are Proficient or Above Grade Level

	Number of students who have written the assessment	Share of writers that is proficient or above grade level
Literacy Assessment 10	22,363	74%
Numeracy Assessment 10	20,069	40%

Sources: British Columbia, 2021c; 2021b.

the tests. Table 3 and Figure 2 show the share of BC grade 10 students that completed the grade 10 Literacy and Numeracy Assessments and who are proficient or above grade level. In total, 74 percent of grade 10 students writing the Literacy Assessment were deemed to be proficient or above grade level while only 40 percent achieved the same results for the Numeracy Assessment. Recall, however, that only 52 percent and 47 percent of grade 10 students wrote the two assessments, respectively. In other words, the limited data provided from the assessments on student performance levels—covering roughly half of grade 10 students—is worrying, particularly with respect to numeracy.

These findings are particularly concerning given the decline in students' math proficiency in Canada generally and in BC specifically. Results from the PISA test scores between 2003 and 2018 show a steady drop in student math scores in Canada. Internally, PISA scores declined in

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every province, with the steepest declines in British Columbia, Alberta, and Manitoba (Allison and Geloso, 2021).

Conclusion

The 2019/20 grade 10 student Literacy and Numeracy Assessment data in British Columbia reveal two significant issues facing BC's education system: low participation rates and low levels of academic proficiency.

Despite BC's long history with standardized testing, which has been used as a tool to inform and empower parents and all education stakeholders—and ultimately as a tool to improve schools and student achievement—the province has shifted from higher-stakes, meaningful exams to lower-stakes Literacy and Numeracy Assessments. Student participation in these assessments in the 2019/20 school year was poor. Only 52 percent of BC's grade 10 students completed the grade 10 Literacy Assessment in 2019/20, and only 47 percent of BC's grade 10 students completed the grade 10 Numeracy Assessment.

In the past, a portion of the exam mark that BC secondary students achieved on the standardized tests contributed to their final course grade, which gave students an incentive to perform to their best ability. Today, low-stakes student assessments come with no assigned percentage grades and comment-based evaluations do not affect grades. In making this change, the province eliminated the fairest, most objective type of measure of student performance that education stakeholders and policymakers have and replaced it with something far less useful.

Student performance in these assessments leaves much room for improvement. Of the grade 10 students who completed the grade 10 Literacy Assessment, only 74 percent were considered proficient or above. In Numeracy, the results were even more striking: only 40 percent of grade 10 students who completed the grade 10 Numeracy Assessment were considered proficient or above. This indicates not only a gap in student assessment, illustrated by low student participation rates, but a gap in student proficiency. These gaps are occurring in tandem with the learning loss experienced by all schooled students as a result of COVID-19 school shut-downs in BC.

The significant change to the nature of student testing in BC, the push by organized labour to have parents opt their children out of these assessments, and the pandemic-related learning disruptions have created a perfect storm for standardized testing in BC. Without the baseline understanding of academic performance made possible by standardized student testing that is transparently available to all stakeholders, improving academic achievement becomes very difficult. It is critical that in future, standardized student testing be a priority in BC, beginning with a significant increase in participation rates in student assessments. From there, the significant gaps in student performance must be addressed. Academic improvement is possible—indeed the success of BC students depends on it. A firm foundation provided by standardized testing is required to first understand where improvement is needed, then begin to achieve it.

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Appendix Table 1: Share of Grade 10 Students That Has Written the 2019/20 Literacy and Numeracy Assessments, by School District

District Name	2017/18 Numeracy	2018/19 Numeracy	2019/20 Numeracy	2019/20 Numeracy rank	Percentage point change, 2017/18 to 2019/20	2019/20 Literacy	2019/20 Literacy rank	Overall rank
Province	31%	51%	47%		15%	52%		
Burnaby	18%	56%	88%	3	71%	84%	3	1
Mission	0%	3%	82%	4	82%	81%	5	2
Haida Gwaii	0%	53%	95%	1	95%	67%	11	3
Coquitlam	75%	64%	74%	9	-2%	82%	4	4
Boundary	55%	72%	76%	7	21%	76%	7	5
Nicola-Similkameen	0%	8%	75%	8	75%	73%	9	6
Gold Trail	68%	66%	59%	17	-9%	62%	14	7
Vancouver	57%	78%	56%	19	-1%	64%	12	7
Quesnel	0%	0%	78%	6	78%	43%	27	9
Greater Victoria	1%	26%	63%	12	62%	50%	21	9
Nanaimo-Ladysmith	0%	3%	51%	21	51%	60%	15	11
Vancouver Island North	0%	0%	46%	27	46%	68%	10	12
Prince George	62%	68%	56%	18	-5%	53%	19	12
Rocky Mountain	49%	60%	63%	13	13%	44%	24	12
Okanagan Skaha	49%	55%	49%	23	0%	60%	17	15
Surrey	18%	36%	47%	25	29%	60%	16	16
Fort Nelson	0%	70%	47%	24	47%	58%	18	17
Sea to Sky	36%	38%	61%	14	25%	42%	32	18
Richmond	32%	72%	65%	11	34%	37%	42	19
Southeast Kootenay	15%	25%	41%	33	27%	52%	20	19
Abbotsford	1%	80%	45%	28	44%	44%	25	19
North Vancouver	88%	81%	2%	53	-87%	92%	1	22
Gulf Islands	13%	16%	0%	54	-13%	91%	2	23
West Vancouver	0%	0%	94%	2	94%	0%	55	24
Kootenay-Columbia	0%	3%	34%	44	34%	63%	13	24
Sunshine Coast	78%	71%	59%	16	-19%	37%	41	24
Langley	24%	47%	24%	49	-1%	74%	8	24
Maple Ridge-Pitt Meadows	5%	68%	44%	31	38%	43%	26	24
Vernon	5%	29%	45%	29	40%	42%	30	29
Arrow Lakes	53%	71%	81%	5	28%	0%	55	30

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Appendix Table 1: continued

District Name	2017/18 Numeracy	2018/19 Numeracy	2019/20 Numeracy	2019/20 Numeracy rank	Percentage point change, 2017/18 to 2019/20	2019/20 Literacy	2019/20 Literacy rank	Overall rank
Prince Rupert	47%	56%	0%	54	-47%	78%	6	30
Port Alberni	64%	49%	49%	22	-15%	39%	38	30
Central Okanagan	46%	73%	46%	26	0%	40%	34	30
Peace River North	78%	73%	69%	10	-9%	19%	52	34
North Okanagan-Shuswap	71%	77%	54%	20	-18%	36%	43	35
Cowichan Valley	42%	41%	43%	32	1%	42%	31	35
Fraser-Cascade	0%	0%	35%	40	35%	42%	28	37
Campbell River	0%	33%	32%	45	32%	44%	23	37
Revelstoke	86%	82%	60%	15	-26%	0%	55	39
Comox Valley	18%	71%	35%	38	17%	40%	35	40
Qualicum	0%	41%	44%	30	44%	36%	44	41
Coast Mountains	69%	67%	41%	35	-29%	38%	39	41
Kamloops-Thompson	13%	53%	35%	39	21%	39%	36	43
Vancouver Island West	0%	41%	0%	54	0%	47%	22	44
Bulkley Valley	71%	67%	24%	48	-47%	42%	29	45
Kootenay Lake	42%	52%	34%	43	-7%	39%	37	46
Sooke	0%	44%	40%	36	40%	36%	46	47
Saanich	8%	11%	9%	50	1%	41%	33	48
Okanagan Similkameen	13%	23%	37%	37	24%	34%	47	49
Conseil scolaire francophone	71%	81%	41%	34	-30%	21%	51	50
Cariboo-Chilcotin	31%	64%	34%	41	3%	36%	45	51
Powell River	14%	10%	34%	42	21%	32%	48	52
Chilliwack	2%	32%	2%	52	1%	38%	40	53
Nechako Lakes	21%	47%	30%	47	9%	27%	50	54
New Westminster	0%	0%	32%	46	32%	18%	53	55
Peace River South	4%	0%	0%	54	-4%	32%	49	56
Delta	64%	70%	3%	51	-61%	6%	54	57
Nisga'a	0%	0%	0%	54	0%	0%	55	58
Stikine	0%	0%	0%	54	0%	0%	55	58
Central Coast	0%	71%	0%	54	0%	0%	55	58

Source: British Columbia (2021b).

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Appendix Table 2: Participation Ratio on 2019/20 Literacy and Numeracy Assessments, by School, Sorted by District and Average Ratio

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Sparwood Secondary	Southeast Kootenay	88%	81%	84%
Fernie Secondary	Southeast Kootenay	59%	55%	57%
Mount Baker Secondary	Southeast Kootenay	41%	27%	34%
The Fernie Academy	Southeast Kootenay	0%	0%	0%
Golden Secondary	Rocky Mountain	n/a	92%	46%
Selkirk Secondary School	Rocky Mountain	24%	67%	45%
David Thompson Secondary	Rocky Mountain	n/a	47%	23%
L V Rogers Secondary	Kootenay Lake	62%	36%	49%
Mount Sentinel Secondary	Kootenay Lake	0%	97%	49%
Prince Charles Secondary	Kootenay Lake	61%	26%	43%
Salmo Secondary	Kootenay Lake	0%	0%	0%
J V Humphries Elem-Secondary	Kootenay Lake	n/a	0%	0%
Revelstoke Secondary	Revelstoke	18%	44%	31%
J Lloyd Crowe Secondary	Kootenay-Columbia	65%	30%	47%
Stanley Humphries Secondary	Kootenay-Columbia	61%	n/a	31%
Vernon Secondary	Vernon	57%	45%	51%
Clarence Fulton Secondary	Vernon	47%	53%	50%
Kalamalka Secondary	Vernon	n/a	73%	37%
Charles Bloom Elementary Secondary	Vernon	n/a	54%	27%
W L Seaton Secondary	Vernon	14%	21%	18%
Vernon Christian School	Vernon	0%	n/a	0%
Aberdeen Hall Senior	Central Okanagan	100%	100%	100%
Kelowna Secondary	Central Okanagan	44%	53%	48%
Okanagan Mission Secondary	Central Okanagan	34%	52%	43%
Immaculata Regional High School	Central Okanagan	42%	40%	41%
Mount Boucherie Senior Secondary	Central Okanagan	18%	47%	32%
Heritage Christian School	Central Okanagan	n/a	61%	30%
Rutland Senior Secondary	Central Okanagan	24%	25%	24%
George Elliot Secondary	Central Okanagan	39%	n/a	19%
Kelowna Christian School	Central Okanagan	33%	n/a	16%
Cariboo Adventist Academy	Cariboo-Chilcotin	100%	n/a	50%
Lake City Secondary	Cariboo-Chilcotin	43%	38%	41%
Peter Skene Ogden Secondary	Cariboo-Chilcotin	30%	35%	32%

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Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Timothy Christian School	Chilliwack	0%	94%	47%
Sardis Secondary	Chilliwack	46%	n/a	23%
Mount Cheam Christian School	Chilliwack	0%	0%	0%
Unity Christian School	Chilliwack	0%	0%	0%
Rick Hansen Secondary	Abbotsford	100%	50%	75%
Abbotsford Christian School	Abbotsford	51%	47%	49%
Yale Secondary	Abbotsford	54%	40%	47%
St John Brebeuf	Abbotsford	91%	n/a	45%
W J Mouat Secondary	Abbotsford	48%	40%	44%
Dasmesh Punjabi School	Abbotsford	51%	n/a	26%
Mennonite Educational Institute	Abbotsford	51%	n/a	25%
Robert Bateman Secondary	Abbotsford	n/a	48%	24%
Abbotsford Senior Secondary School	Abbotsford	n/a	42%	21%
Abbotsford Traditional Senior Secondary	Abbotsford	37%	n/a	19%
Fraser Valley Adventist Academy	Langley	100%	100%	100%
Langley Christian	Langley	96%	87%	91%
Brookwood Secondary	Langley	40%	76%	58%
Walnut Grove Secondary	Langley	97%	0%	48%
Langley Fine Arts School	Langley	95%	0%	47%
D W Poppy Secondary	Langley	89%	2%	45%
R E Mountain Secondary	Langley	90%	0%	45%
Aldergrove Community Secondary	Langley	33%	23%	28%
Langley Secondary	Langley	n/a	44%	22%
Langley Fundamental Middle/ Secondary Sch	Langley	0%	n/a	0%
Credo Christian Schools	Langley	0%	0%	0%
North Surrey Secondary	Surrey	92%	91%	91%
Elgin Park Secondary	Surrey	88%	90%	89%
Semiahmoo Secondary	Surrey	89%	89%	89%
Clayton Heights Secondary	Surrey	90%	87%	88%
White Rock Christian Academy	Surrey	88%	88%	88%
Fleetwood Park Secondary	Surrey	93%	81%	87%
L A Matheson Secondary	Surrey	75%	89%	82%
Khalsa Secondary School (Surrey)	Surrey	49%	87%	68%
Enver Creek Secondary	Surrey	85%	41%	63%

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Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Lord Tweedsmuir Secondary	Surrey	50%	57%	53%
Sullivan Heights Secondary	Surrey	50%	54%	52%
Fraser Heights Secondary	Surrey	50%	48%	49%
Princess Margaret Secondary	Surrey	45%	50%	48%
Ecole Salish Secondary	Surrey	1%	92%	46%
Earl Marriott Secondary	Surrey	93%	0%	46%
Kwantlen Park Secondary	Surrey	52%	39%	45%
Panorama Ridge Secondary	Surrey	50%	40%	45%
Johnston Heights Secondary	Surrey	89%	0%	44%
Guildford Park Secondary	Surrey	36%	47%	42%
Surrey Christian	Surrey	29%	41%	35%
Pacific Academy	Surrey	65%	n/a	32%
Regent Christian Academy	Surrey	n/a	49%	24%
Frank Hurt Secondary	Surrey	21%	24%	22%
Queen Elizabeth Secondary	Surrey	23%	21%	22%
Holy Cross Regional High School	Surrey	0%	n/a	0%
Diamond School	Surrey	0%	0%	0%
Southridge School	Surrey	0%	0%	0%
Southpointe Academy	Delta	98%	95%	96%
North Delta Secondary	Delta	0%	1%	1%
Burnsview Secondary	Delta	1%	1%	1%
South Delta Secondary	Delta	1%	0%	0%
Seaquam Secondary	Delta	0%	0%	0%
Delta Secondary	Delta	0%	0%	0%
Matthew McNair Secondary	Richmond	94%	94%	94%
Richmond Secondary	Richmond	0%	99%	49%
Robert Alexander McMath Secondary	Richmond	98%	0%	49%
Hugh McRoberts Secondary	Richmond	0%	98%	49%
J N Burnett Secondary	Richmond	0%	97%	49%
Steveston-London Secondary	Richmond	0%	96%	48%
A.R. MacNeill Secondary	Richmond	94%	0%	47%
R C Palmer Secondary	Richmond	0%	94%	47%
Hugh Boyd Secondary	Richmond	0%	92%	46%
Cambie Secondary	Richmond	90%	0%	45%
Richmond Christian School	Richmond	0%	n/a	0%
Vancouver Christian	Vancouver	98%	98%	98%

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Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Vancouver Technical Secondary	Vancouver	99%	90%	95%
Killarney Secondary	Vancouver	92%	93%	93%
Point Grey Secondary	Vancouver	92%	92%	92%
Lord Byng Secondary	Vancouver	92%	88%	90%
Kitsilano Secondary	Vancouver	91%	88%	89%
Sir Charles Tupper Secondary	Vancouver	86%	90%	88%
Gladstone Secondary	Vancouver	84%	86%	85%
Templeton Secondary	Vancouver	81%	85%	83%
St John's School	Vancouver	100%	50%	75%
West Point Grey Academy	Vancouver	93%	35%	64%
Stratford Hall	Vancouver	0%	100%	50%
Crofton House	Vancouver	0%	99%	50%
University Hill Secondary	Vancouver	0%	98%	49%
York House School	Vancouver	0%	97%	48%
St Patrick Regional Secondary	Vancouver	94%	n/a	47%
Windermere Community Secondary	Vancouver	46%	46%	46%
David Thompson Secondary	Vancouver	92%	0%	46%
Eric Hamber Secondary	Vancouver	0%	92%	46%
Notre Dame Regional Secondary	Vancouver	88%	n/a	44%
King David High School	Vancouver	86%	0%	43%
John Oliver Secondary	Vancouver	82%	0%	41%
Britannia Community Secondary	Vancouver	0%	76%	38%
St George's School	Vancouver	9%	9%	9%
Little Flower Academy	Vancouver	0%	10%	5%
Sir Winston Churchill Secondary	Vancouver	n/a	0%	0%
Prince of Wales Secondary	Vancouver	0%	0%	0%
Magee Secondary	Vancouver	n/a	0%	0%
Vancouver College	Vancouver	0%	0%	0%
New Westminster Secondary	New Westminster	32%	54%	43%
John Knox Christian – Secondary Campus	New Westminster	0%	n/a	0%
Burnaby Central Secondary	Burnaby	95%	94%	95%
Burnaby North Secondary	Burnaby	95%	94%	94%
Moscrop Secondary	Burnaby	94%	94%	94%
Burnaby South Secondary	Burnaby	92%	91%	92%

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Worrying Trends in BC's Testing of Grade 10 Students

Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Alpha Secondary	Burnaby	92%	89%	91%
Burnaby Mountain Secondary	Burnaby	79%	94%	86%
Cariboo Hill Secondary	Burnaby	84%	87%	85%
Deer Lake SDA School	Burnaby	95%	n/a	48%
Byrne Creek Community Secondary	Burnaby	21%	71%	46%
St Thomas More Collegiate	Burnaby	0%	47%	23%
Pitt Meadows Secondary	Maple Ridge-Pitt Meadows	90%	86%	88%
Maple Ridge Secondary	Maple Ridge-Pitt Meadows	n/a	96%	48%
Westview Secondary	Maple Ridge-Pitt Meadows	1%	83%	42%
Thomas Haney Centre	Maple Ridge-Pitt Meadows	46%	3%	25%
Garibaldi Secondary	Maple Ridge-Pitt Meadows	1%	1%	1%
Meadowridge School	Maple Ridge-Pitt Meadows	0%	n/a	0%
Samuel Robertson Technical Secondary	Maple Ridge-Pitt Meadows	n/a	0%	0%
Maple Ridge Christian School	Maple Ridge-Pitt Meadows	0%	0%	0%
Port Moody Secondary	Coquitlam	95%	97%	96%
Heritage Woods Secondary	Coquitlam	91%	89%	90%
Ecole Dr Charles Best Secondary	Coquitlam	93%	84%	89%
Centennial School	Coquitlam	81%	83%	82%
Ecole Riverside Secondary	Coquitlam	80%	50%	65%
Terry Fox Secondary	Coquitlam	61%	55%	58%
British Columbia Christian Academy	Coquitlam	97%	0%	48%
Pinetree Secondary	Coquitlam	51%	44%	47%
Gleneagle Secondary	Coquitlam	n/a	88%	44%
Inquiry Hub	Coquitlam	n/a	35%	18%
Archbishop Carney Regional Secondary	Coquitlam	0%	n/a	0%
Kenneth Gordon	North Vancouver	85%	86%	85%
Handsworth Secondary	North Vancouver	96%	7%	51%
Sutherland Secondary	North Vancouver	96%	1%	48%
Windsor Secondary	North Vancouver	95%	n/a	48%
Lions Gate Christian Academy	North Vancouver	n/a	85%	42%
Argyle Secondary	North Vancouver	49%	0%	25%
Carson Graham Secondary	North Vancouver	n/a	1%	0%

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Worrying Trends in BC's Testing of Grade 10 Students

Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Brockton Preparatory School	North Vancouver	0%	0%	0%
St Thomas Aquinas	North Vancouver	0%	0%	0%
Sentinel Secondary	West Vancouver	0%	93%	47%
Collingwood School	West Vancouver	n/a	49%	24%
Mulgrave School	West Vancouver	0%	n/a	0%
Chatelech Secondary	Sunshine Coast	90%	92%	91%
Brooks Secondary	Powell River	18%	24%	21%
Howe Sound Secondary	Sea to Sky	62%	52%	57%
Whistler Secondary	Sea to Sky	17%	73%	45%
Bella Bella Community School	Central Coast	0%	n/a	0%
ACWSALCTA BAND SCHOOL	Central Coast	n/a	0%	0%
Sir Alexander Mackenzie Secondary	Central Coast	0%	0%	0%
Gidgalang Kuuyas Naay	Haida Gwaii	100%	n/a	50%
Gudangaay Tlaats'gaa Naay	Haida Gwaii	0%	n/a	0%
Grand Forks Secondary	Boundary	89%	n/a	44%
Boundary Central Secondary	Boundary	28%	n/a	14%
Coast Tsimshian Academy	Prince Rupert	48%	42%	45%
Lach Klan School	Prince Rupert	30%	30%	30%
Osoyoos Secondary	Okanagan Similkameen	92%	92%	92%
Similkameen Elem-Secondary	Okanagan Similkameen	64%	0%	32%
Southern Okanagan Secondary	Okanagan Similkameen	0%	19%	9%
Ebenezer Canadian Reformed School	Bulkley Valley	93%	0%	47%
Houston Secondary	Bulkley Valley	49%	32%	40%
Smithers Secondary	Bulkley Valley	46%	29%	38%
Houston Christian School	Bulkley Valley	n/a	43%	22%
College Heights Secondary	Prince George	87%	89%	88%
Kelly Road/Shas ti Secondary	Prince George	89%	86%	88%
Valemount Secondary	Prince George	100%	n/a	50%
Westside Academy	Prince George	100%	0%	50%
Mackenzie Secondary	Prince George	51%	48%	49%
Duchess Park Secondary	Prince George	42%	33%	37%
Cedars Christian School	Prince George	0%	73%	36%
D P Todd Secondary	Prince George	28%	38%	33%
Prince George Secondary	Prince George	29%	33%	31%

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Worrying Trends in BC's Testing of Grade 10 Students

Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
McBride Secondary	Prince George	0%	n/a	0%
Merritt Secondary	Nicola-Similkameen	82%	77%	80%
Princeton Secondary	Nicola-Similkameen	53%	68%	60%
Chetwynd Secondary	Peace River South	38%	n/a	19%
Dawson Creek Secondary	Peace River South	38%	n/a	19%
Tumbler Ridge Secondary	Peace River South	0%	0%	0%
Energetic Learning Campus	Peace River North	0%	97%	49%
North Peace Secondary	Peace River North	26%	44%	35%
Christian Life School	Peace River North	0%	0%	0%
Esquimalt High	Greater Victoria	73%	80%	77%
Pacific Christian School	Greater Victoria	78%	57%	67%
Oak Bay Secondary	Greater Victoria	0%	92%	46%
Reynolds Secondary	Greater Victoria	91%	n/a	46%
Mount Douglas Secondary	Greater Victoria	n/a	87%	44%
Victoria High	Greater Victoria	30%	47%	39%
Spectrum Community	Greater Victoria	39%	27%	33%
St Andrew's Regional High	Greater Victoria	56%	0%	28%
St Michaels University School - Senior	Greater Victoria	0%	48%	24%
Discovery School	Greater Victoria	n/a	10%	5%
Maria Montessori Academy	Greater Victoria	0%	n/a	0%
St Margaret's	Greater Victoria	0%	0%	0%
Glenlyon Norfolk School	Greater Victoria	0%	0%	0%
Royal Bay Secondary	Sooke	29%	47%	38%
Belmont Secondary	Sooke	30%	27%	29%
Edward Milne Community School	Sooke	13%	32%	23%
Claremont Secondary	Saanich	45%	n/a	23%
Stelly's Secondary	Saanich	33%	10%	21%
Parkland Secondary	Saanich	38%	n/a	19%
Gulf Islands Secondary	Gulf Islands	n/a	0%	0%
Summerland Secondary	Okanagan Skaha	46%	47%	47%
Princess Margaret Secondary	Okanagan Skaha	0%	91%	46%
Penticton Secondary	Okanagan Skaha	42%	8%	25%
Nanaimo Christian School	Nanaimo-Ladysmith	93%	89%	91%
Dover Bay Secondary	Nanaimo-Ladysmith	86%	85%	86%
Aspengrove School	Nanaimo-Ladysmith	91%	n/a	45%
Wellington Secondary	Nanaimo-Ladysmith	88%	0%	44%

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Worrying Trends in BC's Testing of Grade 10 Students

Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Ladysmith Secondary	Nanaimo-Ladysmith	34%	51%	42%
Nanaimo District Secondary	Nanaimo-Ladysmith	43%	28%	35%
Kwalikum Secondary	Qualicum	93%	n/a	46%
Ecole Secondaire Ballenas Secondary	Qualicum	0%	n/a	0%
Ucluelet Secondary	Port Alberni	n/a	85%	43%
Alberni District Secondary	Port Alberni	n/a	60%	30%
Maaqtusiis Secondary	Port Alberni	n/a	0%	0%
Mark R. Isfeld Senior Secondary	Comox Valley	25%	33%	29%
Highland Secondary	Comox Valley	n/a	51%	26%
Georges P Vanier Secondary	Comox Valley	n/a	36%	18%
Campbell River Christian School	Campbell River	93%	71%	82%
Timberline Secondary School	Campbell River	38%	n/a	19%
Carihi Secondary	Campbell River	38%	n/a	19%
Chase Elementary-Secondary	Kamloops-Thompson	56%	72%	64%
Valleyview Secondary	Kamloops-Thompson	37%	60%	48%
Kamloops School of the Arts	Kamloops-Thompson	95%	0%	47%
Clearwater Secondary	Kamloops-Thompson	n/a	91%	46%
Barriere Elementary-Secondary	Kamloops-Thompson	51%	32%	42%
South Kamloops Secondary	Kamloops-Thompson	22%	55%	38%
Sa-hali Secondary	Kamloops-Thompson	27%	34%	31%
NorKam Senior Secondary	Kamloops-Thompson	44%	0%	22%
St Ann's Academy	Kamloops-Thompson	0%	n/a	0%
Desert Sands Community School	Gold Trail	89%	48%	68%
Kumsheen Elem-Secondary	Gold Trail	50%	n/a	25%
Mission Senior Secondary	Mission	76%	77%	76%
Seabird Island Community	Fraser-Cascade	0%	n/a	0%
Brentwood College	Cowichan Valley	97%	96%	96%
Queen Margaret's	Cowichan Valley	0%	100%	50%
Frances Kelsey Secondary	Cowichan Valley	0%	87%	43%
Cowichan Secondary	Cowichan Valley	84%	1%	42%
Lake Cowichan Secondary	Cowichan Valley	n/a	80%	40%
Chemainus Secondary	Cowichan Valley	n/a	74%	37%
Shawnigan Lake	Cowichan Valley	0%	n/a	0%
Duncan Christian School	Cowichan Valley	0%	0%	0%
Fort Nelson Secondary	Fort Nelson	n/a	37%	18%
Hazelton Secondary	Coast Mountains	41%	53%	47%

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Worrying Trends in BC's Testing of Grade 10 Students

Appendix Table 2: continued

School Name	School District	Literacy 10	Numeracy 10	Average ratio
Caledonia Secondary	Coast Mountains	32%	48%	40%
Mount Elizabeth Middle/ Secondary	Coast Mountains	61%	n/a	31%
Bear Valley School	Coast Mountains	0%	n/a	0%
Centennial Christian School	Coast Mountains	0%	0%	0%
Pleasant Valley Secondary	North Okanagan-Shuswap	n/a	71%	36%
J.L. Jackson Secondary	North Okanagan-Shuswap	35%	n/a	18%
A L Fortune Secondary	North Okanagan-Shuswap	28%	n/a	14%
Eagle River Secondary	North Okanagan-Shuswap	n/a	17%	8%
King's Christian School	North Okanagan-Shuswap	0%	n/a	0%
Gold River Secondary	Vancouver Island West	91%	0%	45%
North Island Secondary	Vancouver Island North	77%	n/a	39%
Port Hardy Secondary	Vancouver Island North	52%	n/a	26%
Dease Lake School	Stikine	0%	n/a	0%
Northside Christian School	Nechako Lakes	100%	n/a	50%
Nechako Valley Secondary	Nechako Lakes	29%	53%	41%
Lakes District Secondary	Nechako Lakes	18%	51%	34%
Fort St James Secondary	Nechako Lakes	53%	0%	27%
Secondaire de Nanaimo	Conseil scolaire francophone	94%	n/a	47%
Secondaire Carihi	Conseil scolaire francophone	65%	29%	47%
Secondaire de Penticton	Conseil scolaire francophone	29%	n/a	15%
Au Coeur de L'île	Conseil scolaire francophone	25%	n/a	13%
Secondaire Brooks	Conseil scolaire francophone	16%	0%	8%
de l'Anse-au-sable	Conseil scolaire francophone	0%	n/a	0%

Source: Source: British Columbia, Ministry of Education (2021).

Note: "n/a" indicates that data were masked; they are treated as zero for the average ratio calculation.

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