



PART IV

Appendices



Appendix A: Data tables

Chapter 3: A Profile of the Educational System

Table 1: Distribution of students across the province (2014/15)

(a) By school district and region

District/region		Number of students	Percentage
NLESD	Labrador	3,348	5.0
	Western	10,967	16.3
	Central	11,692	17.4
	Eastern	40,928	60.8
CSFP		358	0.5
Province		67,293	100.0

(b) By population density

Area	Number of students (n)	Percentage
Urban regions	43,072	64.0
Rural regions	24,221	36.0
Province	67,293	100.0

Table 2: Enrolment trends

(a) Provincial enrolment

Year	Student enrolment
2010/11	68,729
2011/12	67,933
2012/13	67,604
2013/14	67,436
2014/15	67,293
Actual change*	1,436
Percentage change*	-2.1

Note:

* Between 2010/11 and 2014/15

(b) Urban and rural enrolment

Year	Urban regions	Rural regions	Province
2010/11	42,225	26,504	68,729
2011/12	42,185	25,748	67,933
2012/13	42,483	25,121	67,604
2013/14	42,829	24,607	67,436
2014/15	43,072	24,221	67,293
Actual change*	847	-2,283	-1,436
Percentage change*	2.0	-8.6	-2.1

Note:

* Between 2010/11 and 2014/15

(c) District enrolment

Year	NLESD				CSFP
	Labrador	Western	Central	Eastern	
2010/11	3,413	12,046	12,331	40,673	266
2011/12	3,386	11,600	12,083	40,558	306
2012/13	3,348	11,331	11,928	40,649	348
2013/14	3,335	11,147	11,781	40,817	356
2014/15	3,348	10,967	11,692	40,928	358
Actual change*	-65	-1079	-639	255	92
Percentage change*	-1.9	-9.0	-5.2	0.6	34.6

Note:

* Between 2010/11 and 2014/15

(d) Enrolment by grade level

Year	Primary (K-3)	Elementary (4-6)	Intermediate (7-9)	High School (10-12)
2010/11	19,319	15,384	16,210	17,087
2011/12	19,340	15,115	16,016	16,840
2012/13	19,531	14,994	15,905	16,684
2013/14	19,947	14,858	15,615	16,511
2014/15	20,143	14,794	15,379	16,453
Actual change*	824	-590	-831	-205
Percentage change*	4.3	-3.8	-5.1	-3.7

Note:

* Between 2010/11 and 2014/15

Table 3: A profile of the province's FTE educators (2014/15)

(a) Breakdown by position

Position	Number of educators	Percentage
Administrative	662	12.3
Classroom teacher	3,437	63.9
Instructional Resource Teacher	809	15.0
Other	471	8.8
Total	5,379	100.0

(b) By district and region

District/region		Number of educators	Percentage
NLESD	Labrador	267	5.0
	Western	950	17.7
	Central	971	18.1
	Eastern	3139	58.4
CSFP		52	1.0
Province		5,379	100.0

(c) By age

Age	Number of educators	Percentage
Younger than 30 years	497	9.2
30-39 years	1,580	29.4
40-49 years	2,016	37.5
50 years or older	1,286	23.9
Province	5,379	100.0

(d) By experience

Years of experience	Number of educators	Percentage
Less than 10 years	1,819	33.8
10-19 years	1,848	34.4
20 years or more	1,712	31.8
Province	5,379	100.0

Table 4: Trends in the number of FTE educators (2010/11 – 2014/15)

(a) Provincial

Year	Number of educators
2010/11	5,544
2011/12	5,529
2012/13	5,515
2013/14	5,357
2014/15	5,379
Actual change*	-165
Percentage change*	-3.0

Note:

* Between 2010/11 and 2014/15

(b) By district and regional

Year	NLESD				CSFP	Province
	Labrador	Western	Central	Eastern		
2010/11	287	1,075	1,039	3,101	42	5,544
2011/12	289	1,074	1,041	3,083	42	5,529
2012/13	313	1,033	1,035	3,090	45	5,515
2013/14	281	1,000	1,007	3,020	49	5,357
2014/15	267	950	971	3,139	52	5,379
Actual change*	-20	-125	-68	38	10	-165
Percentage change*	-7.0	-11.6	-6.5	1.2	23.8	-3.0

Note:

* Between 2010/11 and 2014/15



(c) By age

Year	Number of educators	Percentage who were ...			
		Younger than 30 years	30-39 years	40-49 years	50 years or older
2010/11	5,544	12.3	26.0	40.7	20.9
2011/12	5,529	12.3	25.5	39.9	22.3
2012/13	5,515	11.5	26.9	39.4	22.2
2013/14	5,357	10.4	28.2	39.2	22.2
2014/15	5,379	9.2	29.4	37.5	23.9
Actual change*	-165	-187	139	-242	125
Percentage change*	-3.0	-27.3	9.6	-10.7	10.

Note:

* Between 2010/11 and 2014/15

(d) By gender

Year	Number of educators	Male		Female	
		Number	Percentage	Number	Percentage
2010/11	5,544	1,600	28.9	3,944	71.1
2011/12	5,529	1,565	28.3	3,964	71.7
2012/13	5,515	1,535	27.8	3,980	72.2
2013/14	5,357	1,466	27.4	3,891	72.6
2014/15	5,379	1,461	27.2	3,918	72.8
Actual change*	-165	-139	--	-26	--
Percentage change*	-3.0	-8.7	--	-0.7	--

Note:

* Between 2010/11 and 2014/15



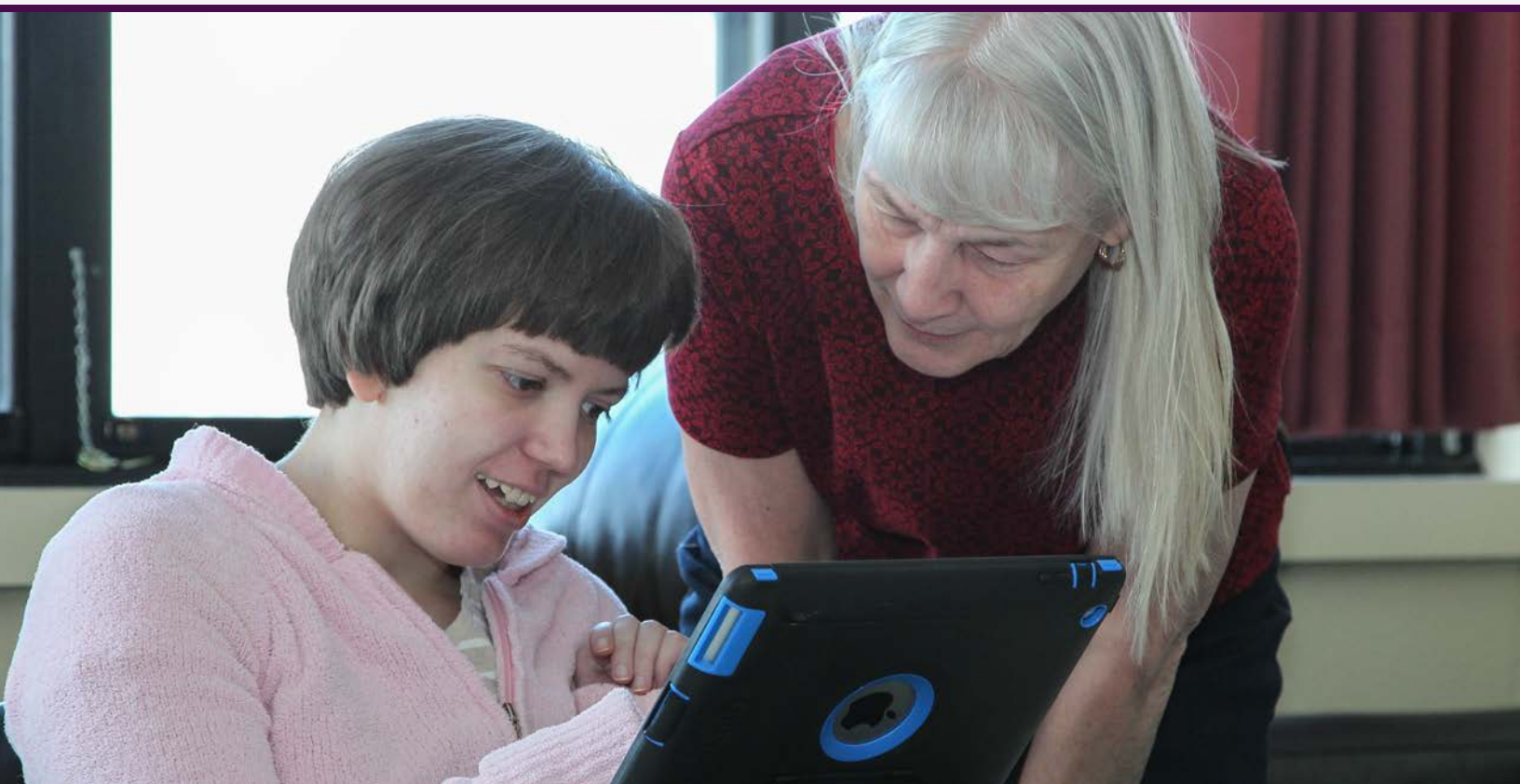


Table 5: Provincial and district PTR's (2014/15)

District/region		PTR
NLESD	Labrador	12.1
	Western	11.2
	Central	11.6
	Eastern	12.5
CSFP		6.9
Province		12.1

Table 6: Trends in the PTR (2010/11-2014/15)

(a) Provincial, district and regional

District/region		2010/11	2011/12	2012/13	2013/14	2014/15
NLESD	Labrador	11.5	11.3	10.3	11.5	12.1
	Western	10.9	10.5	10.6	10.8	11.2
	Central	11.5	11.2	11.1	11.3	11.6
	Eastern	12.7	12.7	12.7	13.0	12.5
CSFP		6.3	7.3	7.3	7.3	6.9
Province		12.0	11.9	11.8	12.1	12.1

(b) Canadian and jurisdictional PTR¹ (2010/11)

Jurisdiction	PTR
Canada	13.8
Newfoundland and Labrador	11.8
Prince Edward Island	12.8
Nova Scotia	12.9
New Brunswick	13.6
Quebec	12.7
Ontario	13.5
Manitoba	13.7
Saskatchewan	13.6
Alberta	15.9
British Columbia	16.8
North West Territories	13.8
Yukon	n/a
Nunavut	13.1

Table 7: School indicators (2014/15)

(a) Number of schools by district/region

District/region		Number of schools	Percentage
NLESD	Labrador	15	5.7
	Western	62	23.7
	Central	65	24.8
	Eastern	115	43.9
CSFP		5	1.9
Province		262	100.0

(b) By population density

Area	Number of schools	Percentage
Urban regions	97	37.0
Rural regions	164	62.6
Province	262	100.0

1 Adapted from: Statistics Canada Table C.2.3 - Student-educator ratio in public elementary and secondary schools, Canada, provinces and territories, 2001/2002 to 2010/2011. Retrieved from <http://www.statcan.gc.ca/pub/81-582-x/2013001/tbl/tblc2.3-eng.htm>

Table 8: Change in the number of schools (20010/11 -2014/15)

(a) Provincial, district and regional trends

Year	NLESD				CSFP	Province
	Labrador	Western	Central	Eastern		
2010/11	15	65	66	121	5	272
2011/12	15	65	65	118	5	268
2012/13	15	65	65	118	5	268
2013/14	15	63	65	116	5	264
2014/15	15	62	65	115	5	262
Actual change*	0	-3	-1	-6	0	-10
Percentage change*	0.0	-4.6	-1.5	-5.0	0.0	-3.7

Note:

* Between 2010/11 and 2014/15

(b) Population density trends

Year	Urban regions	Rural regions	Province
2010/11	102	170	272
2011/12	99	169	268
2012/13	99	169	268
2013/14	99	164	264
2014/15	97	164	262
Actual change*	-5	-6	-10
Percentage change*	-4.9	-3.5	-3.7

Note:

* Between 2010/11 and 2014/15

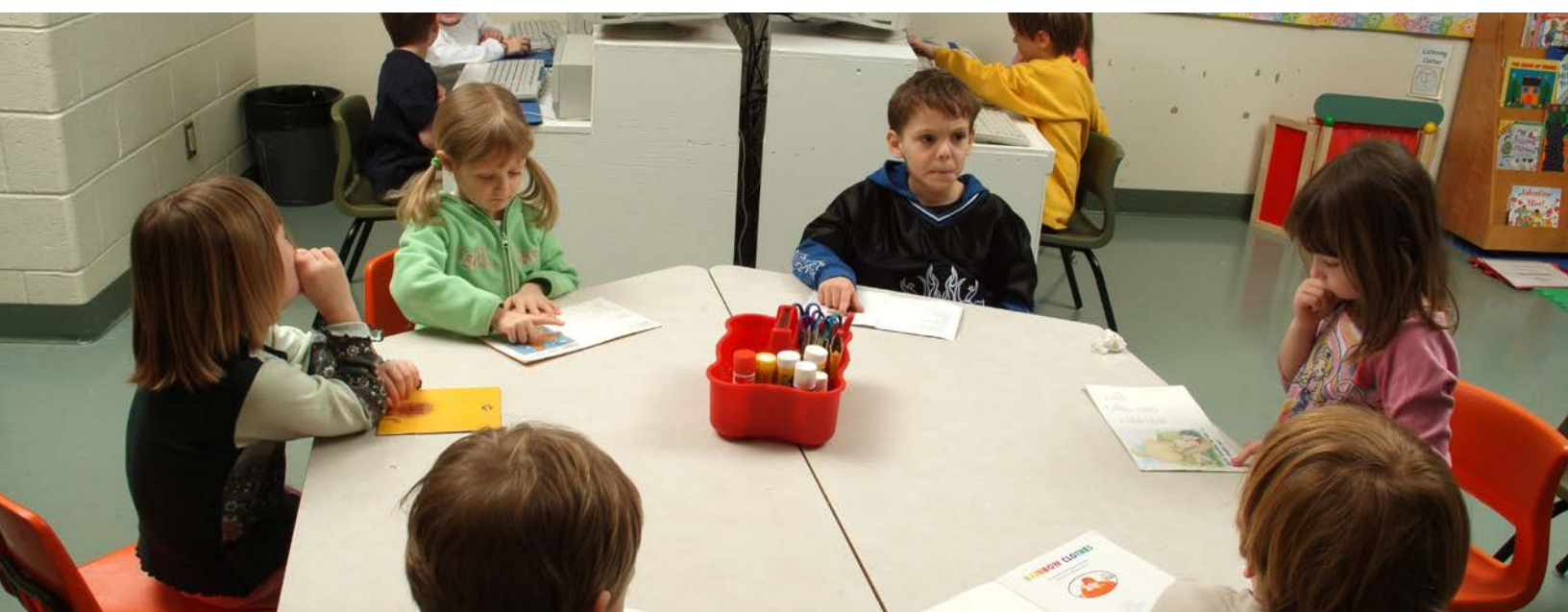


Table 9: School Configurations (2014/15)

(a) Provincial breakdown

School configuration	Number of schools	Percentage
Primary	12	4.6
Elementary	97	37.0
Intermediate	20	7.6
Secondary	24	9.2
Senior High	24	9.2
K-12	85	32.4
Total	262	100.0

(b) By population density

School configuration	Percentage of schools in	
	Urban regions (n=97)	Rural regions (n=165)
Primary	6.2	3.6
Elementary	48.5	30.3
Intermediate	17.5	1.8
Secondary	5.2	11.5
Senior High	18.6	3.6
K-12	4.1	49.1
Total	100.0	100.0

(c) By district and region

School configuration	NLESD				CSFP (n=5)	Province (n=262)
	Labrador (n=15)	Western (n=62)	Central (n=65)	Eastern (n=115)		
Primary	13.3	1.6	9.2	2.6	0.0	4.6
Elementary	20.0	30.6	27.7	47.8	40.0	37.0
Intermediate	0.0	4.8	4.6	12.2	0.0	7.6
Secondary	13.3	3.2	13.8	9.6	0.0	9.2
Senior High	0.0	9.7	6.2	12.2	0.0	9.2
K-12	53.3	50.0	38.5	15.7	60.0	32.4
Total	100.0	100.0	100.0	100.0	100.0	100.0

Note:

* Between 2010/11 and 2014/15

Table 10: Average class size (2014/15)

Grade level	NLESD				CSFP	Province
	Labrador	Western	Central	Eastern		
Primary (K-3)	15.6	14.7	16.1	18.3	11.1	17.0
Elementary (4-6)	16.4	16.1	17.2	18.9	13.5	17.9
Intermediate (7-9)	17.1	18.2	18.2	21.2	10.0	19.8
K-9	16.5	16.3	17.2	19.3	11.8	18.2

(b) Trends in average class size (2010/11 – 2014/15)

Grade level	2010/11	2011/12	2012/13	2013/14	2014/15
Primary (K-3)	16.9	16.6	16.7	17.0	17.0
Elementary (4-6)	18.2	18.0	18.2	18.0	18.0
Intermediate (7-9)	19.8	19.4	19.5	19.0	20.0
K-9	18.2	17.9	18.1	18.0	18.0

Chapter 5: Provincial Assessments in English Language Arts (ELA)

Table 11: Grade 3 student performance (2014/15)

(a) Average reading scores by region

Region	Number of students assessed	Average score
Labrador	179	79.6
Western	689	84.2
Central	689	82.4
Eastern	2,494	84.0
Province ¹	4,129	83.6

(b) Gender differences in average reading scores

Gender	Number of students assessed	Average score
Male	2,169	82.7
Female	1,960	84.6
Gender gap ²	--	1.9

(c) Percentage of students who met/exceeded grade level expectations

Region	Number of students assessed	Reading	Writing
Labrador	179	71.3	64.7
Western	689	75.4	71.1
Central	689	76.9	70.5
Eastern	2,494	77.4	75.4
Province	4,129	76.8	73.6

(d) Gender differences in the percentage of students who met/exceeded grade level expectations

Gender	Number of students assessed	Reading	Writing
Male	2,169	72.7	65.8
Female	1,960	81.0	82.0
Gender gap	--	8.4	16.2

Table 12: Provincial trends in Grade 3 student performance (2009/10 – 2014/15)

(a) Average score

Year	Number of students assessed	Average score
2009/10	4,317	92.2
2010/11	4,315	79.7
2011/12	4,212	67.5
2012/13	4,176	72.7
2014/15	4,129	83.6

(b) Percentage who met/exceeded grade level expectations

Year	Number of students assessed	Reading	Writing
2009/10	4,317	73.9	67.5
2010/11	4,315	65.4	71.9
2011/12	4,212	56.2	81.7
2012/13	4,176	72.6	64.4
2014/15	4,129	76.8	73.6

Table 13: Grade 6 student performance (2014/15)

(a) Average reading scores by region

Region	Number of students assessed	Average score
Labrador	231	76.7
Western	789	79.7
Central	835	81.0
Eastern	2,891	81.5
Province	4,820	81.0

(b) Gender differences in average reading scores

Gender	Number of students assessed	Average score
Male	2,422	79.8
Female	2,398	82.1
Gender gap	--	2.0

(c) Percentage of students who met/exceeded grade level expectations

Region	Number of students assessed	Reading	Writing
Labrador	231	82.6	76.6
Western	789	87.0	84.3
Central	835	88.0	84.2
Eastern	2,891	88.1	85.9
Province	4,820	87.8	85.1

(d) Gender differences in the percentage of students who met/exceeded grade level expectations

Gender	Number of students assessed	Reading	Writing
Male	1,422	85.0	78.2
Female	2,398	90.5	92.0
Gender gap	--	5.5	13.9

Table 14: Provincial trends in Grade 6 student performance (2009/10 – 2014/15)

(a) Average score

Year	Number of students assessed	Average score
2009/10	5,181	81.0
2010/11	5,157	79.5
2011/12	5,020	71.1
2012/13	4,877	78.5
2014/15	4,820	81.0

(b) Percentage who met/exceeded grade level expectations

Year	Number of students assessed	Reading	Writing
2009/10	5,181	69.2	81.4
2010/11	5,157	62.5	74.7
2011/12	5,020	54.4	74.8
2012/13	4,877	82.9	76.5
2014/15	4,820	87.8	85.1

Table 15: Grade 9 student performance (2014/15)

(a) Average reading scores by region

Region	Number of students assessed	Average score
Labrador	225	64.6
Western	819	67.7
Central	936	68.5
Eastern	2,930	68.7
Province	4,963	68.4

(b) Gender differences in average reading scores

Gender	Number of students assessed	Average score
Male	2,588	67.5
Female	2,375	69.2
Gender gap	--	1.7

(c) Percentage of students who met/exceeded grade level expectations

Region	Number of students assessed	Reading	Writing
Labrador	225	66.5	71.4
Western	819	82.6	84.5
Central	936	82.1	86.8
Eastern	2,930	80.7	86.1
Province	4,963	80.6	85.3

(d) Gender differences in the percentage of students who met/exceeded grade level expectations

Gender	Number of students assessed	Reading	Writing
Male	2,588	77.6	78.3
Female	2,375	83.8	92.8
Gender gap	--	6.2	14.5

Table 16: Provincial trends in Grade 9 student performance (2009/10 – 2014/15)

(a) Average score

Year	Number of students assessed	Average score
2009/10	5,306	82.2
2010/11	5,297	68.0
2011/12	5,117	71.7
2012/13	4,951	55.9
2014/15	4,963	68.4

(b) Percentage who met/exceeded grade level expectations

Year	Number of students assessed	Reading	Writing
2009/10	5,306	71.6	85.4
2010/11	5,297	65.3	83.3
2011/12	5,117	88.8	90.7
2012/13	4,951	86.2	92.7
2014/15	4963	80.6	85.3

Table 17: Change in student performance (2014/15)

(a) Provincial

		Grade 3 (n= 4,129)	Grade 6 (n=4,820)	Grade 9 (n=4,963)
Average reading score		83.6	81.0	68.4
Percentage meeting/ exceeding grade level expectations in:	Reading	76.8	87.8	80.6
	Writing	73.6	85.1	85.3

(b) Gender differences in average scores

Gender	Grade 3	Grade 6	Grade 9
Male	82.7	79.8	67.5
Female	84.6	82.1	69.2
Gender gap	-1.9	2.3	1.7

(c) Gender differences in reading proficiency levels

Gender	Grade 3	Grade 6	Grade 9
Male	72.7	85.0	77.6
Female	81.0	90.5	83.8
Gender gap	-8.4	5.5	6.2

(d) Gender differences writing proficiency levels

Gender	Grade 3	Grade 6	Grade 9
Male	65.8	78.2	78.3
Female	82.0	92.0	92.8
Gender gap	16.2	13.9	14.5



Chapter 6: Public Examinations

Table 18: Student performance on public examination courses (2014/15)

	Course name	Number of students	Success rate	Average course mark
Languages	Français 3202 (Immersion)	620	99.2	75.7
	English 3201	4,003	97.6	69.9
Mathematics	Mathematics 3201 (Academic)	2,782	87.4	66.1
	Mathematics 3200 (Advanced)	1,114	97.3	77.4
	Mathématiques 3231	5	0.0	30.8
Social studies	World History 3201	1,137	92.3	69.7
	World Geography 3202	2,570	95.5	69.7
	Histoire mondiale 3231	462	95.7	72.1
Science	Biology 3201	2,825	91.4	67.6
	Biologie 3231	5	0.0	41.6
	Chemistry 3202	1,761	93.9	72.8
	Physics 3204	1,080	92.9	73.4
	Earth Systems 3209	868	83.4	61.1

Table 19: Student performance in language courses

(a) District/regional results (2014/15)

Course name	District/region	Number of students	Average final course mark
English 3201	NLESD – Labrador	156	63.8
	NLESD – Western	718	69.1
	NLESD – Central	677	69.7
	NLESD – Eastern	2,382	70.6
	CSFP	5	50.8
Français 3202 (Immersion)	NLESD – Labrador	23	74.7
	NLESD – Western	43	75.9
	NLESD – Central	43	80.1
	NLESD – Eastern	511	75.3

(b) Gender differences (2014/15)

Course name	Male		Female		Gender gap
	Number of students	Average final course mark	Number of students	Average final course mark	
English 3201	1,857	66.9	2,146	72.5	5.7
Français 3202 (Immersion)	212	72.9	408	77.1	4.1

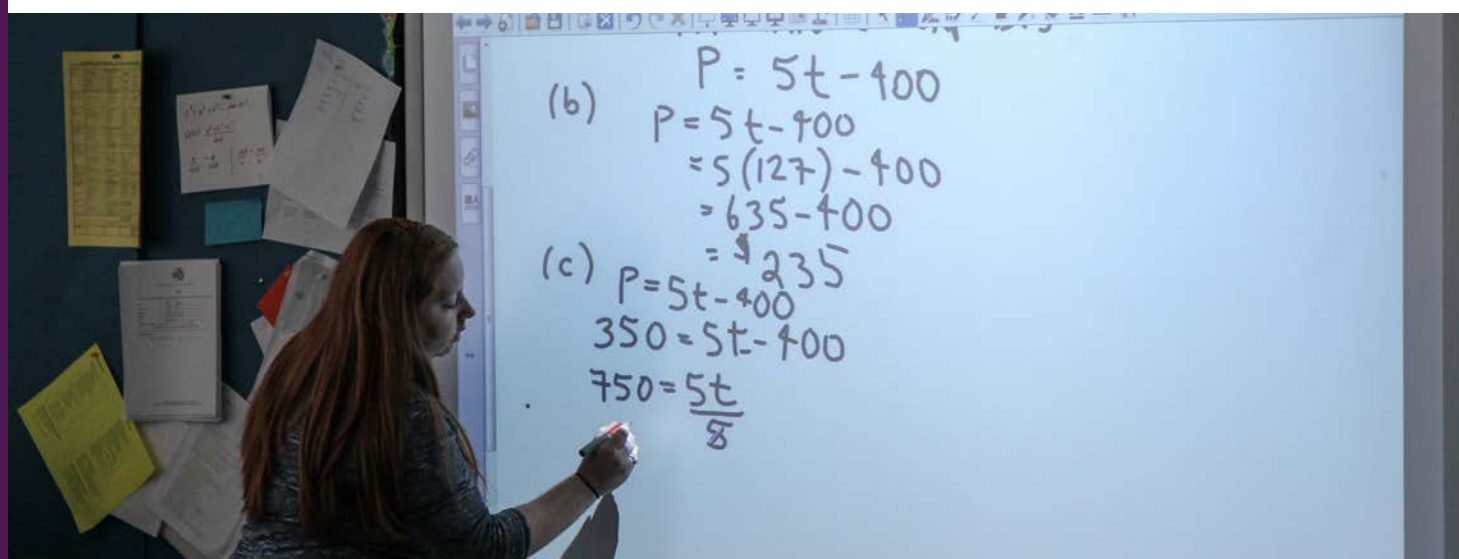
(c) Provincial trends (2010/11 – 2014/15)

Course name	2010/11	2011/12	2012/13	2013/14	2014/15
English 3201	66.2	65.0	69.3	71.0	69.9
Français 3202 (Immersion)	73.7	75.6	75.7	75.0	75.7

Table 20: Student performance in mathematics courses

(a) District/regional results (2014/15)

Course name	District/region	Number of students	Average final course mark
Mathematics 3201 (Academic)	NLESD – Labrador	92	64.4
	NLESD – Western	577	64.7
	NLESD – Central	466	68.2
	NLESD – Eastern	1,590	66.1
Mathematics 3200 (Advanced)	NLESD – Labrador	35	73.2
	NLESD – Western	127	81.5
	NLESD – Central	193	79.9
	NLESD – Eastern	748	76.2
Mathématiques 3231	CSFP	5	30.8



(b) Gender differences (2014/15)

Course name	Male		Female		Gender gap
	Number of students	Average final course mark	Number of students	Average final course mark	
Mathematics 3201 (Academic)	1,298	63.8	1,484	68.1	4.3
Mathematics 3200 (Advanced)	514	77.4	600	77.3	-0.1
Mathématiques 3231	2	31.5	3	30.3	-1.2

(c) Provincial trends (2010/11 – 2014/15)

Course name	2010/11	2011/12	2012/13	2013/14	2014/15
Mathematics 3201 (Academic)	62.0	62.7	61.3	64.0	66.1
Mathematics 3200 (Advanced)	79.3	79.1	79.7	78.0	77.4
Mathématiques 3231	54.8	55.0	60.5	53.7	30.8

Table 21: Student performance in social studies courses

(a) District/regional results (2014/15)

Course name	District/region	Number of students	Average final course mark
World History 3201	NLESD – Labrador	36	66.0
	NLESD – Western	109	67.8
	NLESD – Central	108	70.1
	NLESD – Eastern	836	69.8
World Geography 3202	NLESD – Labrador	120	64.8
	NLESD – Western	584	70.3
	NLESD – Central	473	73.1
	NLESD – Eastern	1,370	68.8
Histoire mondiale 3231	NLESD – Labrador	26	64.0
	NLESD – Western	35	72.9
	NLESD – Central	21	70.9
	NLESD – Eastern	369	73.4
	CSFP	11	48.3

(b) Gender differences (2014/15)

Course name	Male		Female		Gender gap
	Number of students	Average final course mark	Number of students	Average final course mark	
World History 3201	571	69.1	565	70.3	1.2
World Geography 3202	1,253	68.6	1,316	70.8	2.1
Histoire mondiale 3231	166	72.5	296	71.9	-0.7

(c) Provincial trends (2010/11 – 2014/15)

Course name	2010/11	2011/12	2012/13	2013/14	2014/15
World History 3201	69.3	70.3	68.5	70.0	69.7
World Geography 3202	68.0	68.7	69.9	70.0	69.7
Histoire mondiale 3231	69.0	74.7	72.7	71.0	72.1



Table 22: Student performance in science courses

(a) District/regional results (2014/15)

Course name	District/region	Number of students	Average final course mark
Biologie 3231	CSFP	5	41.6
Biology 3201	NLESD – Labrador	119	64.4
	NLESD – Western	619	66.5
	NLESD – Central	445	68.4
	NLESD – Eastern	1,584	68.1
Chemistry 3202	NLESD – Labrador	45	72.5
	NLESD – Western	272	74.4
	NLESD – Central	267	74.4
	NLESD – Eastern	1,160	71.9
Physics 3204	NLESD – Labrador	30	74.5
	NLESD – Western	151	71.8
	NLESD – Central	152	78.4
	NLESD – Eastern	734	72.6
Earth Systems 3209	NLESD – Labrador	21	61.5
	NLESD – Western	94	61.1
	NLESD – Central	63	61.1
	NLESD – Eastern	681	60.9

(b) Gender differences (2014/15)

Course name	Male		Female		Gender gap
	Number of students	Average final course mark	Number of students	Average final course mark	
Biologie 3231	2	37.5	3	44.3	6.8
Biology 3201	1,023	64.4	1,801	69.4	5.0
Chemistry 3202	750	72.7	1,011	72.8	0.1
Physics 3204	699	72.0	381	76.1	4.1
Earth Systems 3209	505	59.4	363	63.4	4.0

(c) Provincial trends (2010/11 – 2014/15)

Course name	2010/11	2011/12	2012/13	2013/14	2014/15
Biologie 3231	48.1	39.0	56.5	58.0	41.6
Biology 3201	64.0	65.8	66.5	65.3	67.6
Chemistry 3202	71.1	71.2	71.9	72.8	72.8
Physics 3204	73.9	74.5	75.0	73.3	73.4
Earth Systems 3209	61.7	62.6	60.3	61.8	61.1

Chapter 7: International Computer and Information Literacy Study (ICILS)

Table 23: Computer and Information Literacy (CIL) average score (ICILS 2013)

(a) National and international jurisdictions

	Country/province	Average score	95% CI*	95% Confidence Interval	
				Lower limit	Upper limit
Significantly higher than NL	Czech Republic	553	4.1	548.9	557.1
	Ontario	547	6.3	540.7	553.3
	Australia	542	4.5	537.5	546.5
No significant difference from NL	Poland	537	4.7	532.3	541.7
	Norway (Grade 9)	537	4.7	532.3	541.7
	Korea	536	5.3	530.7	541.3
	Newfoundland and Labrador	528	5.5	522.5	533.5
	Germany	523	4.7	518.3	527.7
	Slovak Republic	517	9.0	508.0	526.0
Significantly lower than NL	Russian Federation	516	5.5	510.5	521.5
	Croatia	512	5.7	506.3	517.7
	Slovenia	511	4.3	506.7	515.3
	Lithuania	494	7.1	486.9	501.1
	Chile	487	6.1	480.9	493.1
	Thailand	373	9.2	363.8	382.2
	Turkey	361	9.8	351.2	370.8

Note:

CI is the 95 Confidence Interval and is calculated with the following formula
 $CI = 1.96 * \text{Standard Error}$

Table 24: Gender differences in student performance (ICILS 2013)

Country/ province	Female		Male		Gender gap
	Average score	95% CI	Average score	95% CI	
Korea	556	6.1	517	7.3	38
Newfoundland and Labrador	544	8.0	509	7.3	35
Slovenia	526	5.5	497	5.5	29
Ontario	560	7.8	535	6.7	25
Chile	499	7.6	474	7.6	25
Australia	554	5.5	529	6.5	24
Norway (Grade 9)	548	5.5	525	6.1	23
Lithuania	503	8.2	486	7.4	17
Germany	532	5.7	516	6.3	16
Croatia	520	6.1	505	7.1	15
Russian Federation	523	5.5	510	6.7	13
Slovak Republic	524	9.4	511	10.0	13
Poland	544	5.7	531	6.1	13
Czech Republic	559	3.9	548	5.5	12
Thailand	378	11.2	369	10.4	9
Turkey	362	10.2	360	10.6	2
International	509	2.0	491	2.0	18



Table 25: Percentage of students at each CIL proficiency level (ICILS 2013)

Country/ province	Below level 1	Level 1	Level 2	Level 3	Level 4
Czech Republic	2	13	48	34	3
Ontario	4	18	42	32	5
Norway (Grade 9)	5	19	46	27	3
Australia	5	18	42	30	4
Poland	6	20	42	29	4
Newfoundland and Labrador	7	24	40	25	4
Germany	7	22	45	24	1
Slovenia	8	28	47	16	0
Russian Federation	9	27	41	21	2
Korea	9	19	36	30	5
Croatia	11	25	42	31	1
Slovak Republic	12	21	40	25	2
Lithuania	15	30	39	15	1
Chile	18	30	40	13	0
Thailand	64	23	11	2	2
Turkey	67	24	8	1	1
International	17	23	38	21	2



Chapter 8: The Pan-Canadian Assessment Program (PCAP)

Table 26: Average scores in science (PCAP 2013)

(a) Across Canada

	Jurisdiction	Average score	95% CI	95% Confidence Interval	
				Lower limit	Upper limit
Significantly higher than NL	Alberta	521	4.9	516.1	525.9
	Ontario	511	4.5	506.5	515.5
No significant difference from NL	British Columbia	501	4.2	496.8	505.2
	Newfoundland and Labrador	500	4.3	495.7	504.3
	Canada	500	1.9	498.1	501.9
	Nova Scotia	492	3.6	488.4	495.6
	Prince Edward Island	491	5.0	486	496
Significantly lower than NL	Saskatchewan	486	4.2	481.8	490.2
	Quebec	485	3.6	481.4	488.6
	New Brunswick	469	3.7	465.3	472.7
	Manitoba	465	3.1	461.9	468.1

(b) Gender differences

Jurisdiction	Female		Male		Gender gap
	Average score	95% CI	Average score	95% CI	
British Columbia	503	5.4	498	4.8	5
Alberta*	525	6.2	516	6.4	9
Saskatchewan*	481	5	490	6.1	-9
Manitoba	463	4.6	467	4.6	-4
Ontario	511	5.6	511	5.7	0
Quebec	485	4.8	485	4.5	0
New Brunswick	472	5.5	467	5.3	5
Nova Scotia	491	5.7	492	5.2	-1
Prince Edward Island	488	7.2	495	5.6	-7
Newfoundland and Labrador	500	6.7	500	7.7	0
Canada	503	5.4	498	4.8	5

Note

* significant gender difference present

Table 27: Student proficiency in science (PCAP 2013)

(a) Percentage of students at each proficiency level across Canada

Jurisdiction	Level 1	Level 2	Level 3	Level 4
British Columbia	9	43	39	9
Alberta	6	37	44	12
Saskatchewan	11	47	35	6
Manitoba	15	53	29	4
Ontario	7	41	43	10
Quebec	9	50	36	5
New Brunswick	13	52	31	4
Nova Scotia	9	48	37	6
Prince Edward Island	7	50	37	6
Newfoundland and Labrador	6	47	39	8
Canada	8	44	39	8

(b) Gender differences in proficiency levels

Jurisdiction	Level 1		Level 2		Level 3		Level 4	
	Female	Male	Female	Male	Female	Male	Female	Male
BC	8	10	43	42	39	38	9	9
AB	6	7	37	38	45	44	13	11
SK	12	10	49	46	33	38	6	6
MB	15	14	53	52	28	29	4	4
ON	6	8	43	38	42	43	9	10
QC	9	8	50	51	36	36	5	4
NB	11	15	53	50	32	31	4	4
NS	8	9	50	46	35	38	6	6
PE	6	7	51	48	36	38	7	6
NL	6	7	47	47	39	39	8	8
CAN	8	9	45	43	39	40	8	8

Table 28: Student performance on the science sub-domains (PCAP 2013)

(a) Average scores across Canada

Jurisdiction	Nature of Science		Life science		Physical science		Earth science	
	Average score	95% CI	Average score	95% CI	Average score	95% CI	Average score	95% CI
BC	496	3.6	513	4.0	498	3.6	497	3.8
AB	524	3.9	513	4.0	509	3.7	513	4.2
SK	485	3.1	491	4.2	489	4.6	494	3.7
MB	469	3.0	481	4.2	470	3.2	477	3.5
ON	508	3.5	508	3.9	511	3.7	505	3.7
QC	489	2.7	482	3.2	489	3.1	494	3.4
NB	477	3.2	474	4.0	477	3.2	481	2.7
NS	492	3.8	490	3.4	497	4.1	498	3.7
PE	490	5.5	488	4.3	494	5.1	504	5.6
NL	495	5.1	506	4.6	494	4.3	506	5.9
CAN	500	2.0	500	2.0	500	2.0	500	1.6

(b) Gender differences - (i) Nature of Science

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	497	5.0	495	6.4
Alberta	526	6.2	521	7.0
Saskatchewan	482	4.8	488	3.8
Manitoba	470	4.9	469	5.4
Ontario	508	6.3	509	7.0
Quebec	491	5.1	488	4.6
New Brunswick	480	4.3	475	5.8
Nova Scotia	494	5.6	491	6.5
Prince Edward Island	486	7.2	494	7.7
Newfoundland and Labrador	493	7.2	496	6.5
Canada	501	2.7	499	2.8

(ii) Life science

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia*	517	4.9	508	5.0
Alberta*	517	5.7	508	6.2
Saskatchewan	487	4.1	494	9.1
Manitoba	478	4.9	484	5.4
Ontario	506	5.1	510	4.7
Quebec	484	5.3	481	4.6
New Brunswick	478	5.3	471	4.8
Nova Scotia	491	4.3	489	5.6
Prince Edward Island	491	7.8	486	8.0
Newfoundland and Labrador	506	7.8	507	7.6
Canada	501	2.5	499	2.1

Note:

* significant gender difference present

(iii) Physical science

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	500	5.7	496	5.5
Alberta	509	6.6	510	6.9
Saskatchewan*	484	4.7	493	6.1
Manitoba*	466	5.7	475	5.7
Ontario	511	5.5	511	5.7
Quebec*	484	5.4	493	5
New Brunswick	477	4.6	477	4.5
Nova Scotia	494	5.9	500	4.8
Prince Edward Island	489	6.9	499	6.5
Newfoundland and Labrador	490	5.5	499	7.2
Canada	499	2.5	501	2.4

Note:

* significant gender difference present

(iv) Earth science

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	497	5.2	497	4.6
Alberta*	519	6.1	507	6.1
Saskatchewan*	489	4.5	498	4.8
Manitoba	475	5.3	479	4.9
Ontario	506	6.1	504	5.6
Quebec	493	3.8	495	4.1
New Brunswick	179	4.6	483	4.4
Nova Scotia*	493	4.5	503	5.2
Prince Edward Island	497	6.5	511	6.7
Newfoundland and Labrador*	512	6.9	500	6.8
Canada	501	3.3	500	2.9

Note:

* significant gender difference present

Table 29: Student performance on the science competencies (PCAP 2013)

(a) Average scores

Jurisdiction	Science Inquiry		Problem solving		Scientific reasoning	
	Average score	95% CI	Average score	95% CI	Average score	95% CI
BC	496	3.4	495	3.6	507	3.7
AB	525	3.7	506	3.7	515	4.5
SK	485	3.3	492	3.4	489	4.3
MB	469	3.8	473	3.4	472	2.8
ON	508	4.7	510	4.1	509	3.4
QC	489	3.3	491	3.4	484	3.4
NB	475	3.2	482	4.7	471	3.8
NS	494	4.4	495	4.1	492	4.4
PE	492	5.7	501	5.2	492	6.5
NL	496	4.7	498	5.5	505	5.4
CAN	500	1.7	500	1.8	500	2.0

(b) Gender differences

(i) Science Inquiry

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia*	501	5.2	492	6.4
Alberta*	530	6.3	520	5.8
Saskatchewan	483	4.8	488	6.0
Manitoba	471	5.1	467	5.3
Ontario	510	6.7	505	5.1
Quebec*	493	5.6	486	3.8
New Brunswick*	479	4.5	472	5.2
Nova Scotia*	498	5.0	490	5.6
Prince Edward Island	489	7.6	494	6.9
Newfoundland and Labrador	498	6.8	494	7.3
Canada*	503	2.6	497	3.3

Note:

* significant gender difference present

(ii) Problem solving

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	497	4.9	493	5.2
Alberta	506	5.1	506	5.4
Saskatchewan*	485	4.8	498	5.4
Manitoba*	469	6.3	476	4.6
Ontario	509	5.5	512	5.7
Quebec*	488	4.9	494	3.8
New Brunswick*	486	5.1	478	5.1
Nova Scotia	493	5.8	497	5.8
Prince Edward Island	500	6.5	501	8.1
Newfoundland and Labrador	497	6.9	499	5.5
Canada	499	3.0	501	2.4

Note:

* significant gender difference present

(iii) Scientific reasoning

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	507	4.5	507	5.4
Alberta*	518	5.5	511	7.5
Saskatchewan*	486	5.2	493	6.8
Manitoba*	468	5.7	477	4.7
Ontario	508	5.1	512	6.1
Quebec	482	5.1	485	4.3
New Brunswick	470	5.1	473	6.3
Nova Scotia	488	4.5	495	4.9
Prince Edward Island	486	6.7	497	7.1
Newfoundland and Labrador	504	8.3	506	6.9
Canada	499	2.5	501	2.7

Note:

* significant gender difference present

Table 30: Reading assessment (PCAP 2013)

(a) Across Canada

Jurisdiction	Jurisdiction	Average score	95% CI	95% Confidence Interval	
				Lower limit	Upper limit
Significantly higher than NL	Ontario	524	3.6	520.4	527.6
	Canada	508	2.0	506.0	510.0
	Quebec	503	2.5	500.5	505.5
No significant difference from NL	British Columbia	502	3.4	498.6	505.4
	Alberta	502	3.7	498.3	505.7
	Newfoundland and Labrador	495	3.8	491.2	498.8
	Prince Edward Island	494	4.4	489.6	498.4
	Nova Scotia	488	3.2	484.8	491.2
Significantly lower than NL	Saskatchewan	487	3.1	483.9	490.1
	New Brunswick	471	3.0	468.0	474.0
	Manitoba	469	2.9	466.1	471.9

(b) Gender differences

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia*	518	4.2	486	4.7
Alberta*	518	5.1	485	5.1
Saskatchewan*	498	3.9	476	5.3
Manitoba*	480	4.3	459	4.2
Ontario*	538	4.8	510	5.5
Quebec*	514	4.6	493	4.3
New Brunswick*	485	4.0	459	5.2
Nova Scotia*	499	5.2	477	5.0
Prince Edward Island*	509	5.9	479	7.2
Newfoundland and Labrador*	503	4.8	486	7.8
Canada*	521	2.2	494	2.3

Note:

* significant gender difference present

(c) Change over time (2007 – 2013)

Jurisdiction	2007		2010		2013	
	Average score	95% CI	Average score	95% CI	Average score	95% CI
British Columbia	495	4.1	499	3.7	502	3.4
Alberta	502	4.1	506	4.0	502	3.7
Saskatchewan	482	4.1	491	3.9	487	3.1
Manitoba**	477	3.9	478	3.8	469	2.9
Ontario*	515	4.2	515	3.9	524	3.6
Quebec*	538	5.7	481	3.6	503	2.5
New Brunswick*	471	3.1	479	3.9	471	3.0
Nova Scotia	483	4.1	489	4.0	488	3.2
Prince Edward Island ⁺	471	4.6	481	9.0	494	4.4
Newfoundland and Labrador**	478	4.1	486	5.2	495	3.8
Canada*	512	2.3	500	2.2	508	2.0

Note:

significant gender difference present between

* 2010 and 2013

⁺ 2007 and 2013

Table 31: Mathematics assessment (PCAP 2013)

(a) Across Canada

	Jurisdiction	Average score	95% CI	95% Confidence Interval	
				Lower limit	Upper limit
Significantly higher than NL	Quebec	527	2.9	524.1	529.9
	Ontario	512	3.5	508.5	515.5
	Canada	507	2.0	505.0	509.0
	Alberta	502	3.9	498.1	505.9
No significant difference from NL	Prince Edward Island	492	3.7	488.3	495.7
	British Columbia	489	3.2	485.8	492.2
	Saskatchewan	488	3.9	484.1	491.9
	Nova Scotia	488	3.3	484.7	491.3
	Newfoundland and Labrador	487	4.7	482.3	491.7
	New Brunswick	480	3.5	476.5	483.5
Sig. lower than NL	Manitoba	471	3.3	467.7	474.3

(b) Gender differences

Jurisdiction	Female		Male	
	Average score	95% CI	Average score	95% CI
British Columbia	491	4.3	487	4.4
Alberta	504	5.1	499	5.3
Saskatchewan	487	4.6	488	6.6
Manitoba	470	3.8	471	4.1
Ontario	511	5.3	514	5.6
Quebec	528	4.8	526	3.4
New Brunswick	483	4.3	477	5.2
Nova Scotia	489	4.0	487	4.4
Prince Edward Island*	498	5.9	485	7.2
Newfoundland and Labrador	489	4.9	484	6.8
Canada	507	1.9	507	2.9

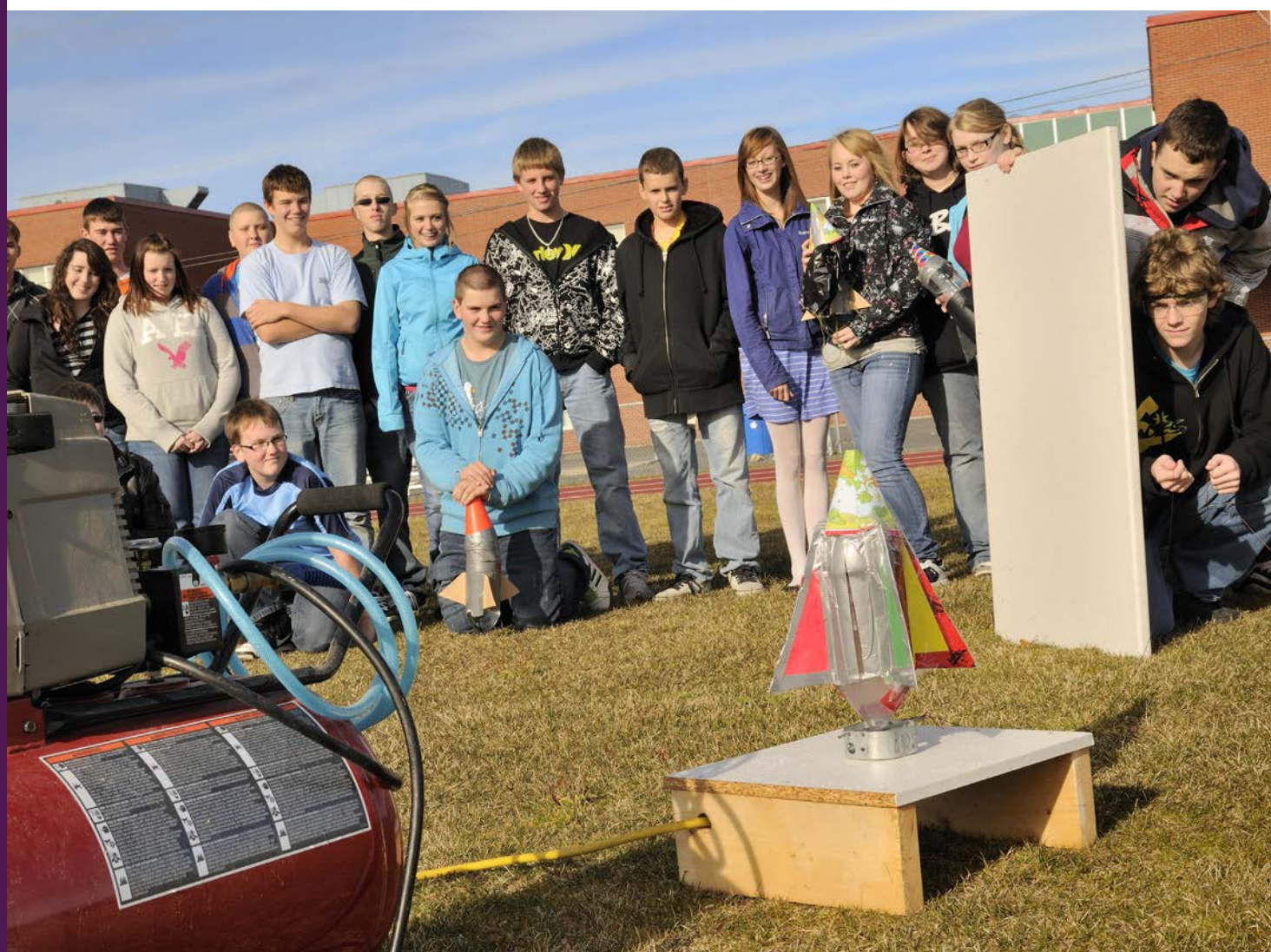
Note:

* significant gender difference present

(c) Change over time (2010 – 2013)

Jurisdiction	2010		2013	
	Average score	95% CI	Average score	95% CI
British Columbia*	481	3.6	489	3.2
Alberta*	495	4.0	502	3.9
Saskatchewan*	474	3.8	488	3.9
Manitoba	468	4.2	471	3.3
Ontario	507	4.0	512	3.5
Quebec*	515	3.9	527	2.9
New Brunswick	478	3.9	480	3.5
Nova Scotia*	474	3.9	488	3.3
Prince Edward Island*	460	8.3	492	3.7
Newfoundland and Labrador*	472	5.2	487	4.7
Canada*	500	2.2	507	2.0

Note:
significant gender difference present between 2010 and 2013



Chapter 9: Early School Leavers

Table 32: Early School Leaver Rate (2013/14)

(a) Provincial, district and region

District/region		Early School Leaver Rate (ESL)
NLESD	Labrador	11.5
	Western	10.8
	Central	11.3
	Eastern	13.0
CSFP		7.3
Province		12.1

Table 33: Trends in the Early School Leaver Rate (2009/10 – 2013/14)

(a) Provincial, district and regional trends

District/region		2009/10	2010/11	2011/12	2012/13	2013/14
NLESD	Labrador	9.5	10.2	11.4	11.2	5.3
	Western	6.8	6.9	6.4	6.6	4.7
	Central	6.5	6.6	6.6	5.6	4.3
	Eastern	8.6	8.7	8.8	7.8	6.8
CSFP		8.7	8.3	0.0	8.3	0.0
Province		8.1	8.2	8.4	7.7	6.5

(b) Gender differences

Gender	2009/10	2010/11	2011/12	2012/13	2013/14
Male	8.1	8.2	8.4	7.7	6.5
Female	5.9	6.4	6.4	6.0	5.9
Gender gap	-2.2	-1.8	-2.0	-1.7	-0.6

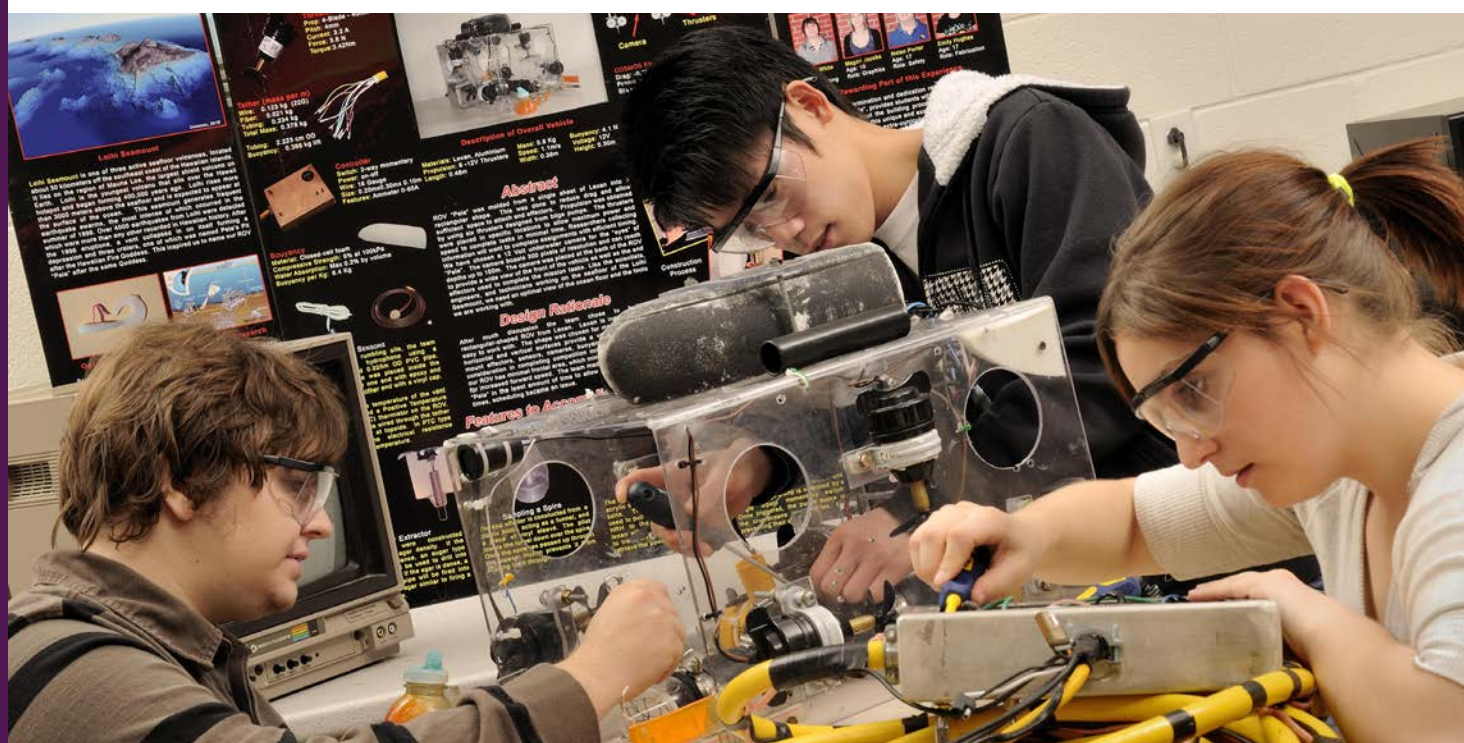
Table 34: Dropout rates across Canada

(a) Across Canada (2012)

Jurisdiction	Dropout rate
British Columbia	5.9
Alberta	10.0
Saskatchewan	9.2
Manitoba	10.4
Ontario	6.6
Quebec	10.6
New Brunswick	7.4
Nova Scotia	7.6
Prince Edward Island	8.1
Newfoundland and Labrador	8.7
Canada	8.1

(b) Canadian and provincial dropout trends (2008 – 2012)

Year	Canada	Newfoundland and Labrador
2008	9.3	9.6
2009	9.2	8.1
2010	8.9	7.4
2011	8.5	8.2
2012	8.1	8.7



Chapter 10: Graduation

Table 35: High school pass rate (2014/15)

(a) Provincial, district and region

District/region		Number of students who actually graduate (Actual)	Number of students eligible to graduate (Eligible)	Pass rate (Actual/Eligible)
NLESD	Labrador	211	221	95.5
	Western	839	882	95.1
	Central	864	892	96.9
	Eastern	2,664	2,795	95.3
CSFP		0	4	0.0
Province		4,693	4,919	95.4

(b) Gender differences

Gender	Number of students who...		Pass rate (Actual/Eligible)
	Actually graduate (Actual)	Are eligible to graduate (Eligible)	
Male	2,337	2,464	97.8
Female	2,356	2,455	96.0
Gender gap	--	--	-1.8

Table 36: Trends in the high school pass rate (2010/11 – 2014/15)

(a) By district and region

District/region		2010/11	2011/12	2012/13	2013/14	2014/15
NLESD	Labrador	92.6	87.6	93.9	97.1	95.5
	Western	92.8	93.4	95.5	94.6	95.1
	Central	91.1	98.5	96.6	96.7	96.9
	Eastern	91.4	92.5	96.0	94.9	95.3
CSFP		77.8	75.0	100.0	66.7	0.0
Province		91.7	92.7	95.7	95.2	95.4

(b) Gender differences

Gender	2010/11	2011/12	2012/13	2013/14	2015/16
Male	90.9	91.8	95.5	94.9	94.8
Female	92.4	93.6	95.9	95.5	96.0
Gender gap	1.5	1.9	0.3	0.6	1.1

Table 37: Graduation status (2014/15)

(a) Across the province

District/region		Total number of graduates	Percentage of students with a/an	
			General diploma	Honours or Academic diploma
NLESD	Labrador	211	45.5	54.5
	Western	839	29.6	70.4
	Central	864	31.6	68.4
	Eastern	2,664	25.5	74.5
CSFP	--	0	0.0	0.0
Province	--	4,693	29.0	71.0

(b) Gender differences

Gender	Total number of graduates	Percentage of students with a/an	
		General diploma	Honours or Academic diploma
Male	2,337	35.6	64.4
Female	2,356	22.5	77.5
Gender gap	--	-13.1	13.1

Table 38: Trends in the percentage of students graduating with an academic/ honours diploma (2010/11 – 2014/15)

(a) Across the province

District/region		2010/11	2011/12	2012/13	2013/14	2014/15
NLESD	Labrador	57.0	58.4	58.8	57.0	54.5
	Western	64.6	66.6	69.3	68.6	70.4
	Central	63.3	66.6	61.6	62.6	68.4
	Eastern	71.3	71.3	70.4	73.1	74.5
CSFP		42.9	0.0	57.1	0.0	0.0
Province		67.0	67.8	67.1	69.5	71.0

(b) Gender differences

Gender	2010/11	2011/12	2012/13	2013/14	2014/15
Male	60.2	60.7	59.9	64.0	64.4
Female	64.6	66.6	69.3	68.5	77.5
Gender gap	4.4	5.9	9.4	4.6	6.0

Table 39: Graduation rates across Canada (2009/10²)

Jurisdiction	Graduation Rate
Canada	78.3
Newfoundland and Labrador	84.5
Prince Edward Island	82.3
Nova Scotia	84.2
New Brunswick	86.5
Quebec	77.9
Ontario	83.2
Manitoba	66.4
Saskatchewan	78.2
Alberta	70.8
British Columbia	71.8
Yukon	69.1
Northwest Territories	55.7
Nunavut	38.1