

Rainy River District School Board



Schools for Student-Centered Learning

January 26, 2016

Rainy River District School Board - Demographics

The District of Rainy River's population declined by approximately 1,195 persons between 2006 and 2011

	2006	2011	Change	Percentage Change
Population by Age				
0 - 3	985	930	(55)	-5.6%
4 - 13	2,925	2,520	(405)	-13.8%
14-17	1,350	1,170	(180)	-13.3%
Occupied Households				
Number of	8,590	8,375	(215)	-2.5%
Population per Unit				
0 - 3	0.1147	0.1110	(0.0036)	-3.2%
4 - 13	0.3405	0.3009	(0.0396)	-11.6%
14-17	0.1572	0.1397	(0.0175)	-11.1%

Average Household Size is Decreasing consistent with an aging population

Average Family Size	2006 Census	2011 Census	Change	Percentage Change
District of Rainy River				
Rainy River District	3.00	2.90	(0.10)	-3.3%
Fort Frances	2.80	2.80	-	0.0%
Rainy River (Town)	2.80	2.80	-	0.0%
Atikokan	2.80	2.70	(0.10)	0.0%

School Age Population - District of Rainy River

- Between 2006 and 2011 the total number of children in the District of Rainy River has decreased by 640 children or 12.2%.
- This decrease has occurred in each of the pre-school and school-age groups
 - 0-3 year olds with a decrease of 55 children (5.6%)
 - 4-13 year olds with an decrease of 405 children (13.8%)
 - 14-17 year olds has shown a decrease of 180 children (13.3%)

	2006 Census	2011 Census	Change	% Change
District of Rainy River				
0-3	985	930	(55)	-5.6%
4-13	2,925	2,520	(405)	-13.8%
14-17	1,350	1,170	(180)	-13.3%
Total	5,260	4,620	(640)	-12.2%
Atikokan				
0-3	135	85	(50)	-37.0%
4-13	375	305	(70)	-18.7%
14-17	160	135	(25)	-15.6%
Total	670	525	(145)	-21.6%
Fort Frances				
0-3	355	305	(50)	-14.1%
4-13	995	890	(105)	-10.6%
14-17	460	445	(15)	-3.3%
Total	1,810	1,640	(170)	-9.4%
Rainy River				
0-3	30	40	10	33.3%
4-13	115	85	(30)	-26.1%
14-17	55	45	(10)	-18.2%
Total	200	170	(30)	-15.0%

Rainy River District – Aboriginal Identity

The figures below represent the total aboriginal population for the Rainy River District and is composed of persons who reported identifying with at least one Aboriginal group; those who reported being a Treaty Indian or a registered Indian (as defined by the *Indian Act of Canada*) and members of an Indian Band or First Nation. It is important to note that this data combines the self-reported First Nation ‘on-reserve’ population and the self-reported Métis population that are incorporated into the general Census.

DISTRICT OF RAINY RIVER

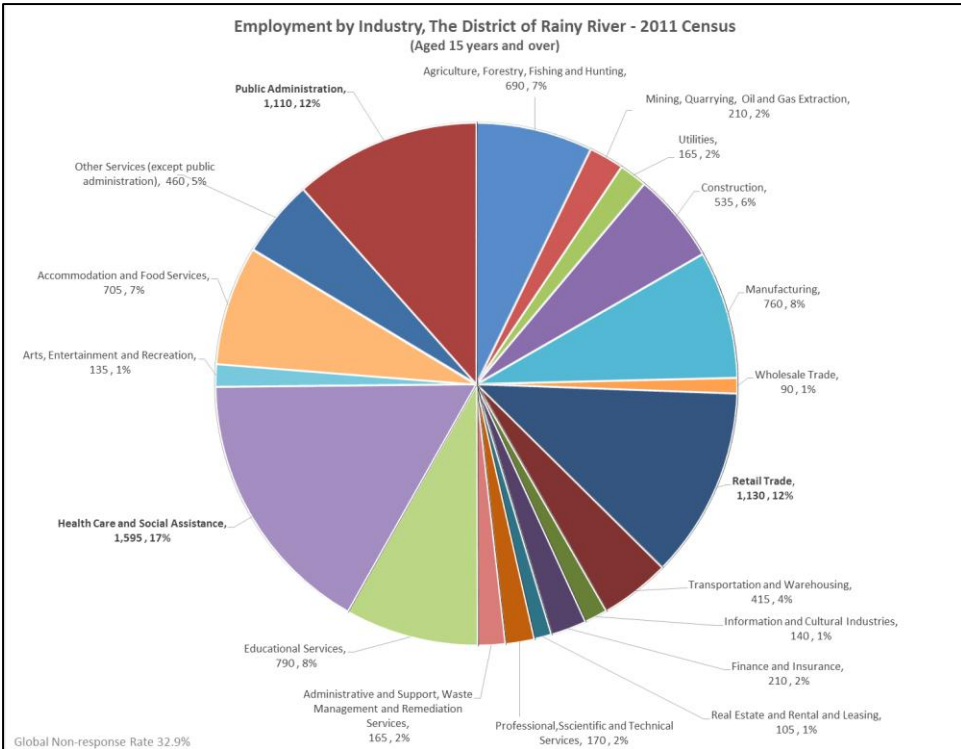
	2001 Census	2006 Census	2001-06 Change	2001-06 % Change	2011 Census	2001-06 Change	2006-11 % Change
Aboriginal Identity Population - Total Population	3,630	4,615	985	27%	4,475	(140)	-3%
0-4 year olds	375	495	120	32%	430	(65)	-13%
5-14 year olds	785	860	75	10%	855	(5)	-1%
15-19 year olds	335	475	140	42%	495	20	4%
Total Pre-school & School-age Population	1,495	1,830	335	22%	1,780	(50)	-3%
Sources: 2001 Census Community Profile - Aboriginal Population Profile; 2006 Census Community Profile - Aboriginal Population Profile; 2011 National Household Survey (Note: Voluntary Census in 2011 - Non Response Rate of 32.9% for the Rainy River District) - Aboriginal Population Profile							

Area Economic Trends

- Negative net migration reduces tax revenues at a time when infrastructure investment requirements are growing;
- Aging population and increasing numbers of migrants who are not economic entities will increase the need for health care services, decrease the tax base to support health care infrastructure costs (e.g. need to construct long-term care facilities, expand hospitals, etc.), as well costs to deal with an aging infrastructure and the community expectations to retain, if not improve levels of service
- Persons over the age of 65 years in Rainy River District are expected to increase by almost 50% (2015 to 2036) from 3,841 to 5,752 (an increase of 1,911 persons); this will impact the local housing market and in turn, the local economy; house prices will decrease when there are more sellers than buyers of homes
- Employed persons over the age of 15 in Rainy River District has decreased by more than 11% during the 2006 to 2011 Census period – with significant declines in construction, manufacturing and hospitality more than offsetting an increase in employment in the mining industry

Employment by Industry (Aged 15 years and Older)	2006 Census	2011 Census	Change	Percentage Change
District of Rainy River				
Total	10,795	9,585	(1,210)	-11.2%
Agriculture, Forestry, Fishing and Hunting	735	690	(45)	-6.1%
Mining, Quarrying, Oil and Gas Extraction	70	210	140	200.0%
Utilities	115	165	50	43.5%
Construction	790	535	(255)	-32.3%
Manufacturing	1,455	760	(695)	-47.8%
Wholesale Trade	200	90	(110)	-55.0%
Retail Trade	1,060	1,130	70	6.6%
Transportation and Warehousing	505	415	(90)	-17.8%
Information and Cultural Industries	110	140	30	27.3%
Finance and Insurance	280	210	(70)	-25.0%
Real Estate and Rental and Leasing	110	105	(5)	-4.5%
Professional, Scientific and Technical Services	155	170	15	9.7%
Management of Companies and Enterprises	-	-	-	0.0%
Administrative and Support, Waste Management and Remediation Services	215	165	(50)	-23.3%
Educational Services	870	790	(80)	-9.2%
Health Care and Social Assistance	1,460	1,595	135	9.2%
Arts, Entertainment and Recreation	150	135	(15)	-10.0%
Accommodation and Food Services	1,030	705	(325)	-31.6%
Other Services (except public administration)	520	460	(60)	-11.5%
Public Administration	960	1,110	150	15.6%

Note: The Global non-response rate for 2011 32.9%



Employment Trends

Area Economic Trends - Migration 2009-2013

	Net International Migration	Net Interprovincial Migration	Net Intraprovincial Migration	Total Net Migration	Natural Increase
2009/2010	(9)	(189)	(62)	(260)	(18)
2010/2011	(1)	(19)	(63)	(83)	11
2011/2012	4	(14)	(33)	(43)	(14)
2012/2013	(82)	(180)	(134)	(396)	8

Population Forecast – District of Rainy River

0-19 Population Forecast for the District of Rainy River

Age	2011 Census	Projections			2011 - 2025	
		2015	2020	2025	Difference	%
0-4	1,150	1,079	1,000	994	(156)	-13.6%
5-9	1,225	1,095	1,084	1,012	(213)	-17.4%
10-14	1,370	1,171	1,094	1,088	(282)	-20.6%
15-19	1,470	1,385	1,196	1,135	(335)	-22.8%
Total	5,215	4,730	4,374	4,229	(986)	-18.9%

Source: Ministry of Finance Fall 2014 Age Cohort Projections

The District of Rainy River's population under 19 years of age is projected to decrease by 18.9% by 2025

Rainy River District School Board – Historical Enrolment

Historically, between 2010 and 2015:

- JK-8 enrolment has decreased by 19 students or 1.1%.
- 9-12 enrolment has decreased by 130 students or 11.3%

	Retention Rates		
	5 Year	3 Year	1 Year
Avg Annual	-1%	-2%	-1.8%
SK	108%	106%	101%
Gr. 1	100%	101%	106%
Gr. 2	101%	101%	99%
Gr. 3	100%	101%	100%
Gr. 4	102%	101%	99%
Gr. 5	102%	101%	97%
Gr. 6	102%	101%	99%
Gr. 7	103%	103%	102%
Gr. 8	103%	103%	103%

Elementary Enrolment						
	2010 2011	2011 2012	2012 2013	2013 2014	2014 2015	2015 2016
JK	155	157	155	152	164	145
SK	180	163	181	174	160	166
1	176	178	162	178	175	169
2	165	183	176	164	183	173
3	182	163	180	177	170	182
4	173	179	173	181	184	169
5	175	180	181	177	190	179
6	187	182	188	181	181	189
7	176	189	195	195	187	185
8	199	179	197	200	205	192
Total	1,768	1,753	1,788	1,779	1,799	1,749

	Retention		
	5 year	3 year	1year
Avg Annual	-1%	-2%	0.9%
Gr. 10	98%	98%	102%
Gr. 11	100%	101%	106%
Gr. 12	151%	156%	153%

Secondary Enrolment						
	2010 2011	2011 2012	2012 2013	2013 2014	2014 2015	2015 2016
9	264	268	276	251	248	256
10	290	257	261	264	245	252
11	326	276	267	245	270	259
12	449	457	418	411	397	413
Total	1,329	1,258	1,222	1,171	1,160	1,179

Rainy River District School Board – Total Projected Enrolment

- JK-8 enrolment is projected to decrease by 222 students or 12.5%
- 9-12 enrolment is projected to decrease by 101 students or 8.5%

Elementary Enrolment																				
Grade	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
JK	155	157	155	152	164	150	147	145	142	142	141	139	138	138	137	136	135	134	133	133
SK	180	163	181	174	160	164	153	155	153	150	150	149	147	146	146	145	143	142	141	140
1	176	178	162	178	175	170	168	158	160	158	155	155	154	152	151	151	150	149	148	147
2	165	183	176	164	183	170	172	171	161	163	161	157	157	157	154	153	153	152	151	150
3	182	163	180	177	170	181	174	172	172	161	163	161	157	157	157	154	153	153	152	151
4	173	179	173	181	184	174	187	177	176	175	164	166	164	160	160	159	157	156	156	155
5	175	180	181	177	190	180	178	192	183	181	179	169	170	168	165	165	164	162	161	161
6	187	182	188	181	181	195	189	181	193	184	183	181	170	172	170	166	166	165	163	162
7	176	189	195	195	187	185	203	199	187	199	190	189	186	176	178	175	172	172	171	168
8	199	179	197	200	205	197	186	212	208	196	208	199	198	193	184	185	183	179	179	178
Total	1,768	1,753	1,788	1,779	1,799	1,766	1,757	1,762	1,735	1,709	1,694	1,665	1,642	1,620	1,601	1,590	1,577	1,564	1,554	1,545

Secondary																				
Grade	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029
	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030
9	264	268	276	251	248	256	253	237	271	258	244	262	252	250	244	239	243	240	235	235
10	290	257	261	264	245	252	249	250	234	267	254	241	259	248	246	241	236	240	237	232
11	326	276	267	245	270	259	247	254	253	239	271	258	245	263	252	250	245	241	245	241
12	449	457	418	411	397	413	400	396	408	404	387	423	410	395	414	403	400	395	390	395
Total	1,329	1,258	1,222	1,171	1,160	1,179	1,149	1,136	1,165	1,168	1,156	1,184	1,166	1,157	1,157	1,133	1,125	1,116	1,107	1,103

Status Quo School Capacity and Facility Utilization – Elementary Panel

ELEMENTARY PANEL	Year 1	Year 5	Year 10	Year 14	OTG	Utilization					
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025		2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Atikokan Elementary											
Atikokan High School Elementary	46	48	35	42	40	69	66.7%	69.6%	50.6%	61.4%	57.7%
North Star Community School	143	130	140	136	132	239	59.8%	54.4%	58.7%	57.0%	55.1%
Atikokan Elementary Total	189	178	175	179	172	308	61.4%	57.8%	56.9%	58.0%	55.7%
Mine Centre Public School	65	59	63	65	61	127	51.2%	46.7%	49.5%	51.0%	47.6%
Fort Frances Elementary											
J W Walker Public School	364	354	330	301	288	328	111.0%	107.9%	100.6%	91.7%	87.7%
Robert Moore Public School	483	487	446	401	386	547	88.3%	89.1%	81.6%	73.2%	70.6%
Fort Frances Elementary Total	847	841	776	701	674	875	96.8%	96.2%	88.7%	80.1%	77.0%
La Vallee, Devlin, Emo, Barwick & Stratton											
Donald Young Public School	195	196	199	191	184	225	86.7%	87.1%	88.6%	84.8%	81.9%
Crossroads Elementary Public School	161	150	160	152	156	222	72.5%	67.7%	72.0%	68.4%	70.3%
Sturgeon Creek School	107	111	100	94	91	185	57.8%	59.9%	53.9%	50.7%	49.3%
La Vallee, Devlin, Emo, Barwick & Stratton Total	463	457	459	436	432	632	73.3%	72.3%	72.6%	69.0%	68.3%
McCrosson-Tovell Public School	27	21	23	16	12	90	30.0%	23.3%	25.4%	17.8%	13.3%
Nestor Falls Public School	15	18	18	20	20	46	32.6%	39.1%	39.1%	43.5%	43.5%
River Rainy Elementary											
Riverview Elementary School	125	124	124	122	113	208	60.1%	59.6%	59.8%	58.6%	54.1%
GRAND TOTAL	1,731	1,699	1,638	1,539	1,482	2,286	75.7%	74.3%	71.7%	67.3%	64.8%

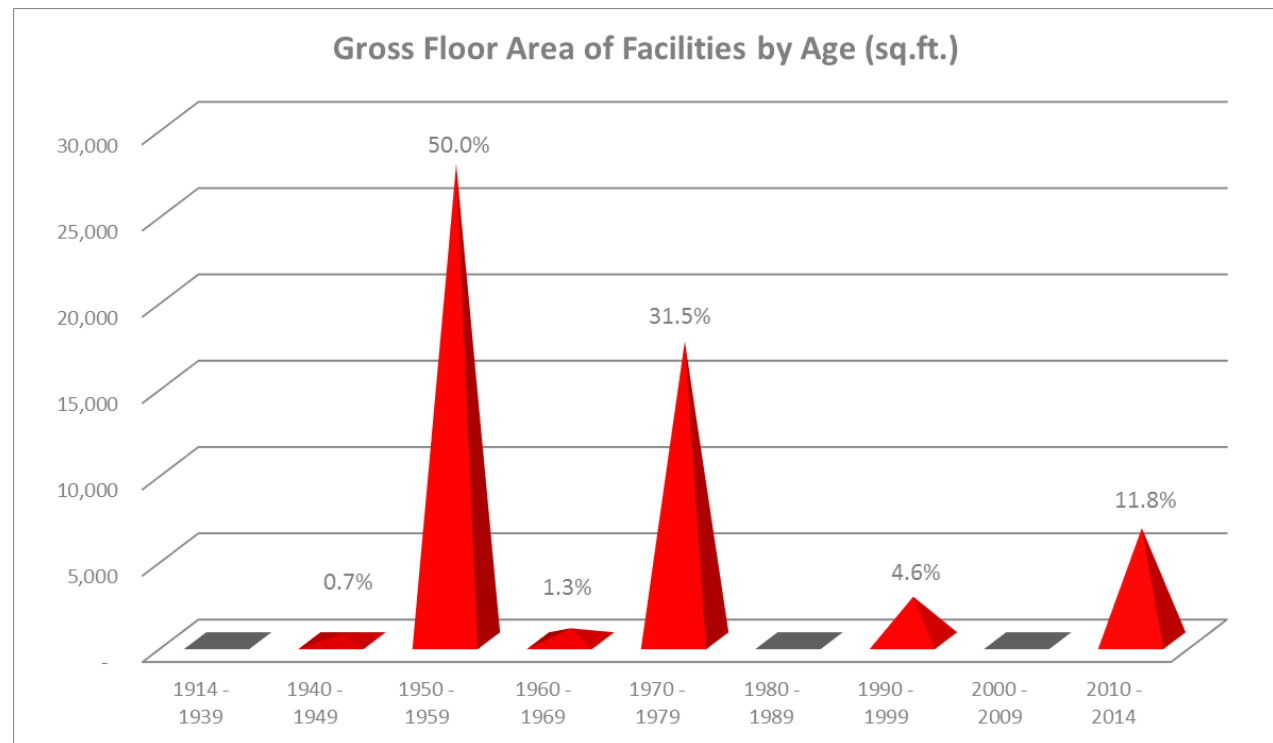
School Capacity and Facility Utilization – Secondary Panel

SECONDARY PANEL	Year				OTG	Utilization			
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025		2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025
Atikokan High School	149	150	133	123	537	27.7%	27.9%	24.7%	22.9%
Fort Frances High School	862	880	893	815	1,038	83.0%	84.8%	86.1%	78.5%
Rainy River High School	112	115	112	109	357	31.3%	32.2%	31.2%	30.6%
TOTAL	1,122	1,145	1,137	1,047	1,932	58.1%	59.2%	58.9%	54.2%

Note: Northwest Catholic DSB has advised that they will be seeking Ministry approval to provide secondary accommodation to students in the Fort Frances area. If approved, there will be fewer RRDSB secondary students at Fort Frances HS.

Rainy River DSB Schools – Study Findings

- A total of 55,207 sq.ft. of GFA
- 50.0% of the District's school facility space was constructed during 1950-1959; 31.5% during 1970-1979 and 11.8% post 2010
- Donald Young, Atikokan HS, North Star CS, JW Walker and Rainy River HS are around 60 years old, with Nestor Falls PS more than 70 years old



Rainy River DSB Schools – Facility Condition

- Facility Condition Index (FCI) is a measure of deferred maintenance and renewal measured against the replacement value of the school. Cumulative facility renewal needs indicate future FCI trends. An FCI in excess of 100% means that the renewal needs *exceed* the replacement value. FCIs approaching or in excess of 65% are an indicator of a need to replace a school. Replacement value of RRDSB schools is \$176.64 million
- The 2 largest campuses – Atikokan HS and Fort Frances HS will require potential replacement within the next 15 years, along with Donald Young and Nestor Falls

Facility Name	Replacement Value (2015)	FCI					
		2015	2020	2025	2030	2031	2032
Nestor Falls PS, Campus ID 10141	\$ 1,961,490	31.9%	58.4%	65.3%	65.3%	65.3%	65.3%
Donald Young PS, Campus ID 10136	\$ 8,866,450	49.0%	104.8%	110.2%	110.2%	110.2%	110.2%
North Star Community School, Campus ID 10143	\$ 12,466,300	23.8%	44.0%	50.9%	50.9%	50.9%	50.9%
Atikokan HS, Campus ID 5122	\$ 29,246,550	57.5%	75.4%	79.1%	79.1%	79.1%	79.1%
J W Walker PS, Campus ID 10139	\$ 11,424,970	3.8%	8.3%	19.6%	19.6%	19.6%	19.6%
Rainy River HS, Campus ID 10147	\$ 18,522,640	32.7%	41.4%	44.0%	44.0%	44.0%	44.0%
McCrosson-Tovell PS, Campus ID 10140	\$ 5,287,490	37.3%	48.0%	48.2%	48.2%	48.2%	48.2%
Fort Frances HS , Campus ID 10139	\$ 44,003,660	46.7%	61.0%	65.1%	65.1%	65.1%	65.1%
Riverview E S, Campus ID 10134	\$ 8,919,760	26.4%	40.5%	40.6%	40.6%	40.6%	40.6%
Sturgeon Creek S, Campus ID 10145	\$ 8,357,640	45.6%	56.7%	57.6%	57.6%	57.6%	57.6%
Crossroads E PS, Campus ID 10135	\$ 8,893,010	24.4%	37.1%	43.9%	43.9%	43.9%	43.9%
Robert Moore School, Campus ID 10142	\$ 17,230,120	0.0%	40.5%	42.0%	42.0%	42.0%	42.0%

Potential Financial Impacts

- On March 26, 2015 the Ministry announced the 2015-16 Grants for Student Needs (GSN). Over the next 3 years, the Province will begin to eliminate the *Base Top-up Funding* for school facility operations and facility renewal. Some of the savings will be used to fund energy, materials and wage increases and some may be used to enhance funding to supported schools.
- The RRDSB is expected to realize a reduction in Base Top-up funding of \$4.86 million, that would have been allocated to the Board over the 2015/16 to 2025/26 period, had the changes to the top-up funding structure not been made by the Province.
- Mitigating a loss in the order of \$4.86 million would require the elimination of 513 elementary and 407 secondary equivalent pupil places from the Board's inventory
- \$672,781 of the \$4.86 million is as a result of no top-up funds for schools constructed post 2010
- As stated above, the Province may offset a portion of this loss with 'enhanced' funding to schools where distance is a factor. However, the details of the potential adjustments are not known at this stage.

Potential Financial Impacts

- In addition, top-up for ‘rural’ and ‘supported’ schools will be replaced with ‘enhanced’ top-up funds, where the distance criteria has been altered to reflect:
 - An elementary school qualifies only if the next closest elementary or secondary school is more than 10 km away;
 - A secondary school qualifies only if the next closest secondary school is more than 20 km away
- While the financial impact of replacing the previous ‘rural’ and ‘supported’ grant allocations with an enhanced allocation is not fully known as yet (i.e. until the 2016/17 and 2017/18 GSNs are announced), the overall impact is expected to be significant.

Panel	Loss in Base School Operations Top-up	Loss in Base School Renewal Top-up	Equivalent Number of Pupil Places
Elementary	\$ 2,109,045	\$ 259,620	513
Secondary	\$ 2,185,672	\$ 306,506	407
Totals	\$ 4,294,717	\$ 566,126	920

School Consolidation Capital

- Province recognizes that for school boards to effectively and efficiently manage their excess capacity, they will need to, in some cases, adjust their capital footprint;
- 2016 School Consolidation Capital (SCC) program is supported through the \$750 million in funding that was announced in the 2014-15 SBEM (School Board Efficiencies and Modernization)
- Intended to assist school boards in adjusting their cost structure in response to reductions in funding that used to support underutilized schools, and to replace child care spaces that would be lost due to a school closure;
- Boards invited to submit Business Cases for SCC funding for consolidation projects that will be completed by the 2019-20 school year
- Eligible projects include:
 - Consolidating two or more schools into one facility and building an addition and/or undertaking a major renovation to an existing school (s) that are being closed, or
 - Right-sizing existing schools by renovating existing excess space for other uses including community hubs

School Consolidation Capital – cont'd

- Business Cases will be reviewed by the Ministry with the focus being on the cost effectiveness of the proposed solutions; joint use capital projects will receive higher priority
- SCC projects must be linked to accommodation review decisions and must have a final trustee decision no later than March 28, 2016
- Boards may submit requests January 15th – February 29th
- Funding decisions and announcements should occur early Spring 2016
- Must submit an affirmation letter signed by the CMSM/DSSAB Manager of Children's Services and the Director of Education if the project submission includes construction of child care spaces
- Board must have an approved CAPT consistent with the 2014-15 Financial Statement
- A draft Business Case for the construction of a JK-12 school to serve Rainy River has been prepared and submitted for review by Board staff

An Evolution of the Traditional Classroom

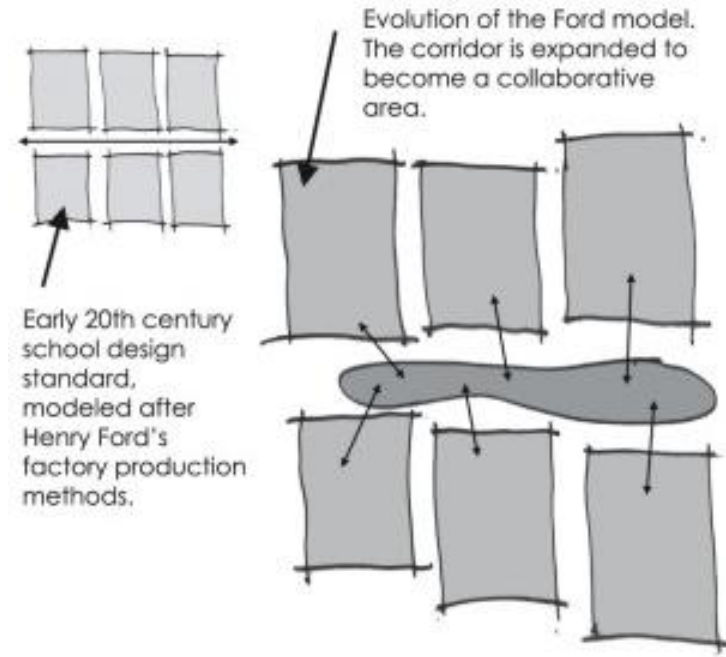
Note: materials on slides 27, 28 and 30-35 taken from the publication 'The Language of School Design', created by: internationally recognized experts in 21st Century learning environments



“The classroom is the most visible symbol of an educational philosophy.”

Historically, the classroom model that worked best was the *Cells-and-Bells (Ford) Model* which was a series of identical boxes placed next to each other along a corridor, that would allow for easier supervision of students moving from class to class as the bell rang.

Existing schools can be reconfigured at lower costs than replacement in order to create small learning communities (SLCs) (*ideally 80-150 students – 4 to 5 advisory groups*), Learning Studios and Learning Suites (see diagrammatic pattern on the right)



Why Does the Traditional Classroom Need to Evolve?

“We now have abundant evidence that learning is not linear, but holistic, and that it is not unidimensional but multifaceted.”

“Our most valuable export as a country will be creativity and innovation and these skills are not developed in the cells-and-bells-model.”



How does this fit into the changing global economy?

- Office ‘hoteling’ is becoming more common;
- Economic initiatives like the TPP (Trans-Pacific Partnership) will complement our ability to export creativity and innovation as a valuable commodity;
- European and Middle Eastern countries more advanced in the development of global citizenship as a means of advancing economic opportunities
- Intergenerational learning

Intergenerational Learning

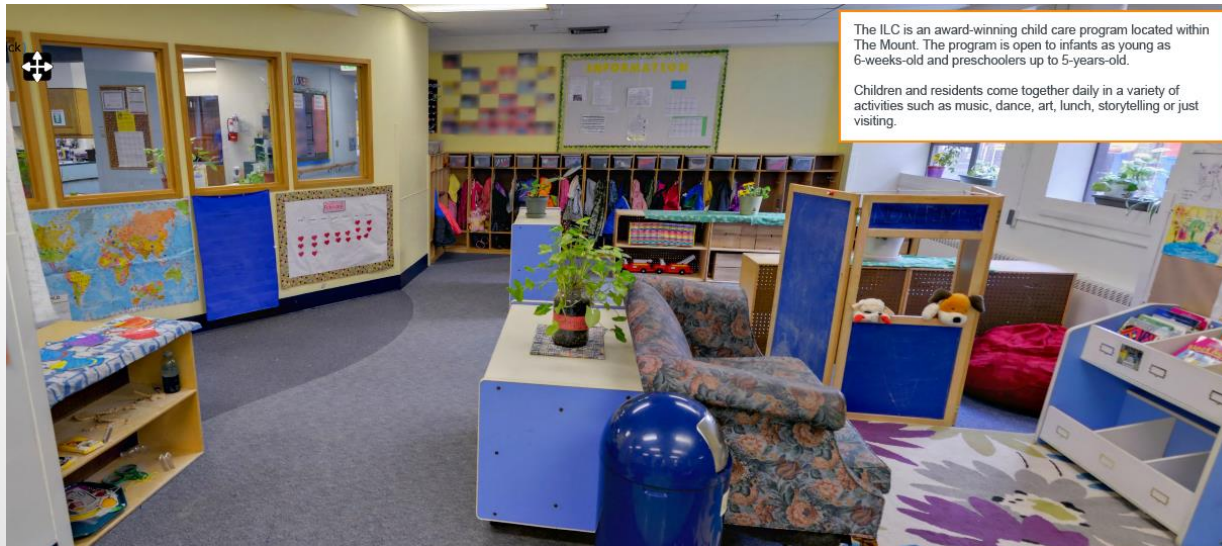
The 'Mount' in Seattle Washington has created an Intergenerational Learning Center for 400 seniors and 125 pre-school age children, using a problem-solving curriculum.

The ILC offers children opportunities:

- To learn about the normal aging process;
- To accept people with disabilities;
- To be involved with people who are two or three generations apart;
- To become part of an extended family;
- To help them reduce their fear of older adults; and
- To receive and give unconditional and unbounded love and attention.

In addition, residents and program participants benefit from:

- Frequent interaction with children throughout their day;
- Physical activity in playing with the children;
- Opportunities to play, laugh and enjoy the spirit and joy that children bring to their home environment;
- A renewed sense of self-worth;
- An opportunity to transfer knowledge; and
- The ability to serve as role models.



Learning Attributes

Realms of Human Experience within the Purview of School Planning & Design	Attributes
Spatial	Intimate, Open, Bright, Closed, Active, Quiet, Connected to Nature, Monumental, Technological
Psychological	Soothing, Safe, Awe-inspiring, Joyful, Playful, Stimulating, Creative, Encourages reflection, Spiritually uplifting, Creates a sense of community
Physiological	Warm, Cool, Cozy, Breezy, Healthy, Aromatic, Textured, Visually Pleasing
Behavioral	Independent Study, Collaborative work, Teamwork, Physical activity, research, writing, reading, computer work, performing & visual arts, presenting, large group work, communing with nature, designing, building, teaching, relaxing, reflecting, playing



Examples of Learning Patterns (although not an exhaustive list)

1. Principal Learning Areas – Classrooms, Learning Studios, Advisories and Small Learning Communities, Science Labs, Art Studios, Da Vinci Studios, Life Skills areas, Music and Performance, Health & Physical Fitness, Areas for Casual Eating and Congregation, Home-like spaces and washrooms
2. Welcome Entry with Community Space
3. Student Display Space
4. Home Base and Individual Storage
5. Transparency and Passive Supervision, Interior and Exterior Vistas, Dispersed Technology, Indoor/Outdoor Connection, Furniture: Soft Seating, Flexibility, Adaptability and Variety
6. Campfire Space, Watering Hole Space, Cave Space, Designing for Multiple Intelligences
7. Daylight and Solar Energy, Natural Ventilation, Learning, Lighting and Color, Sustainable Elements and Building as a 3-D textbook
8. Local Signature, Connected to the Community, Intergenerational programs and Community programs
9. Teachers as Professionals
10. Shared Learning Resources
11. Safety and Security, Eyes-on-the-Street
12. Bringing it all together



Learning Modalities

1. Independent study
2. Peer tutoring
3. Team Collaboration
4. One-on-one learning with teacher
5. Lecture format – teacher directed
6. Project-based learning (wet and dry spaces)
7. Mobile technology
8. Distance learning
9. Internet-based research
10. Student presentation , performance-based learning, story telling
11. Seminar-style instruction
12. Inter-disciplinary learning
13. Naturalist learning
14. Social/emotional/spiritual learning
15. Art-based learning
16. Design-based learning
17. Team teaching/learning
18. Play-based learning



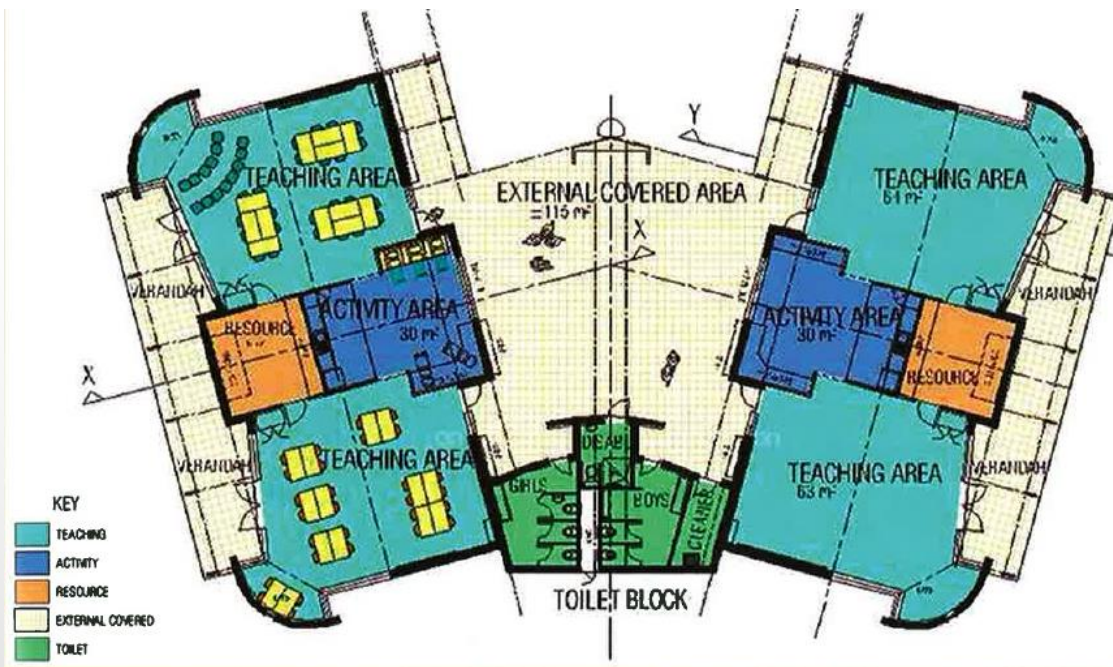
Small Learning Communities

Flexibility and customization is available within the pattern of the SLC, however it has several features that define it:

- A 'home base' function for between 80 and 150 students (more than 150 students increases sense of isolation and anonymity);
- SLC provides more than 60% of the student's curricular needs;
- A teaching team assigned to the SLC works in the SLC for more than 60% of the time;
- Students are not restricted in their use of the space and design maximizes opportunities for passive supervision;

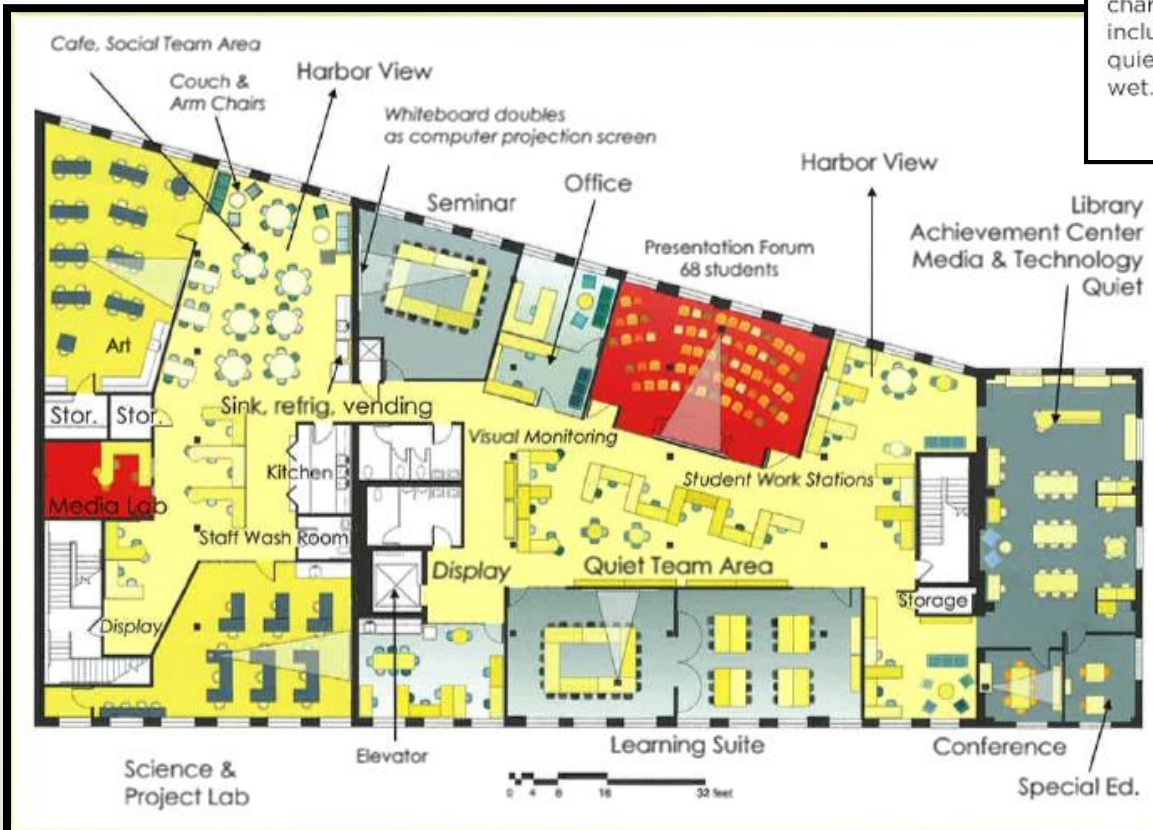
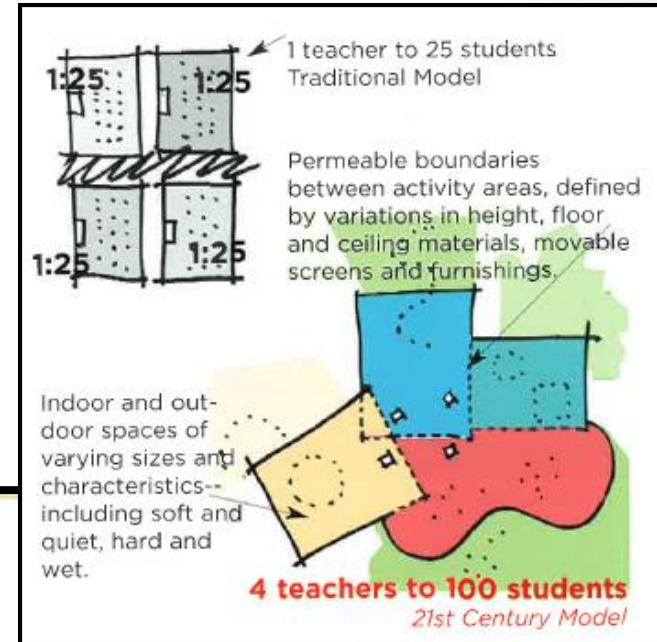
Physical features of the SLC include:

- Learning Suites
- Small room groups
- Multi-purpose lab (Da Vinci Studio)
- Commons place doubling as a café
- Cubbies for student belongings
- Staff work areas
- Lots of storage, a kitchenette, a resource room, staff and student washrooms
- A dedicated entry and ample outdoor connections



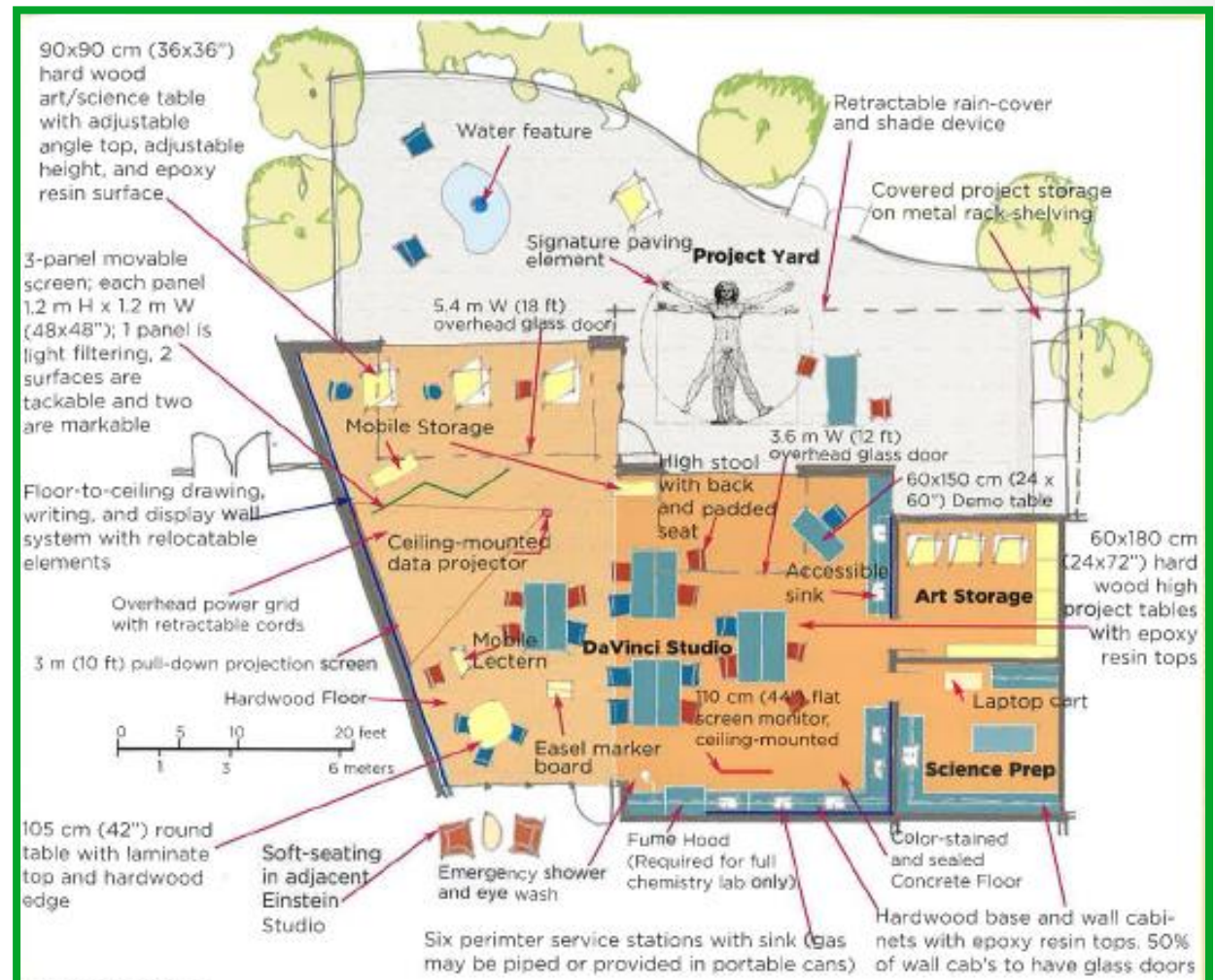
Learning Studios and Suites

A Learning Suite supports a significant number of learning modalities – it supports small groups and individualized study, multiple teaching modes, in pursuing a wide variety of activities



A Learning Studio addresses multiple learning modalities and flexible spaces and several Learning Studios can be arranged to form a Learning Suite

Da Vinci Studio Example



Da Vinci Studio

Interdisciplinary Studio for 24 Learners and one or two advisors:

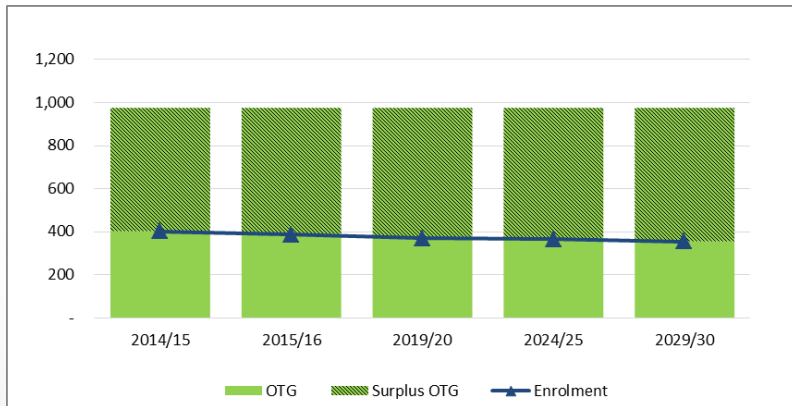
In an age where versatility and creativity are keys to success, the DaVinci Studio arms learners with the tools they need to cross departmental boundaries. The studio adapts from a science lab to an art studio in minutes, and also allows multiple learning modalities to occur simultaneously, including:

1. Science Lab and demonstration, including Biology, Chemistry and Physics
2. Fine Arts, including drawing, painting and sculpture
3. Project-based Learning, including individual student projects—building a bridge, a kite, robot, computer or stage set
4. Interdisciplinary—individual and small groups engaging in independent projects in science, art, and technology simultaneously

RRDSB Proposed Long-term Accommodation Strategy for Consideration & Discussion

Atikokan – Status Quo

	Enrolment					OTG	Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030		2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Atikokan											
Atikokan High School Elementary	46	48	35	42	40	69	66.7%	69.6%	50.6%	61.4%	57.7%
North Star Community School	143	130	140	136	132	239	59.8%	54.4%	58.7%	57.0%	55.1%
Mine Centre Public School	65	59	63	65	61	127	51.2%	46.7%	49.5%	51.0%	47.6%
Atikokan High School	149	150	133	123	122	537	27.7%	27.9%	24.7%	22.9%	22.7%

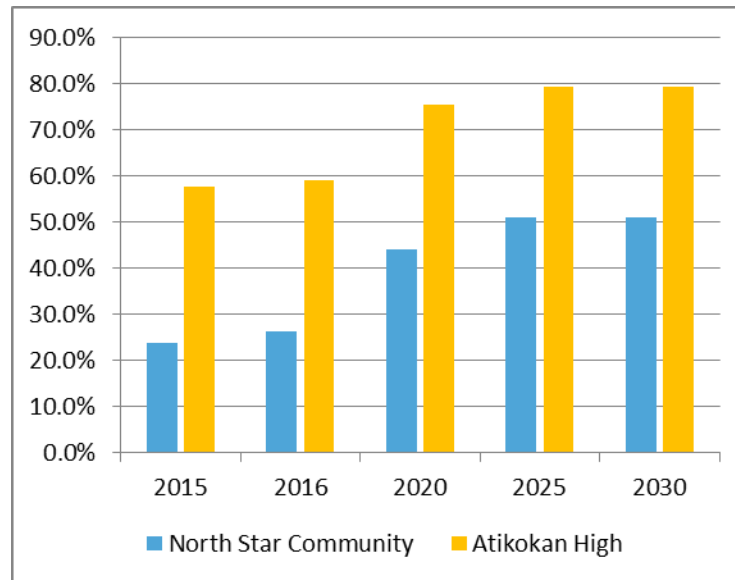


Observations:

- Board staff indicated more than 80% of the students can walk to AHS, while most of North Star students are bussed
- AHS has 2nd highest FCI
- There is a need to right-size facilities to better match enrolment
- Mine Centre replaced within the last 5 years

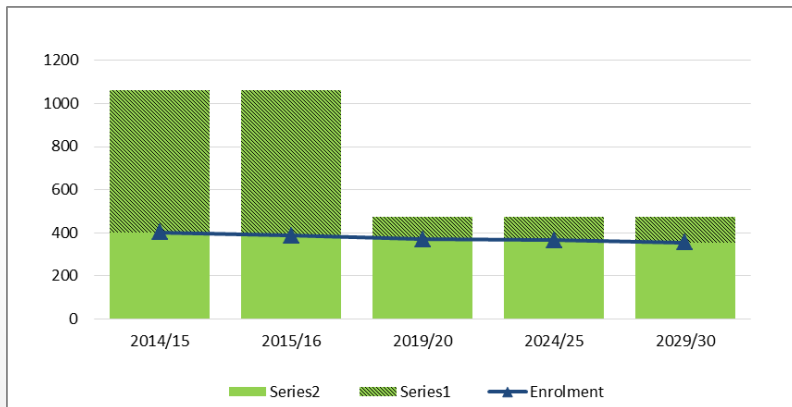
Atikokan - Renewal

Facility Name	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	Replacement Value	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
North Star Community	\$ 2,971,072	\$ 3,260,608	\$ 5,487,220	\$ 6,351,344	\$ 6,351,344	\$ 12,466,300	23.8%	26.2%	44.0%	50.9%	50.9%
Atikokan High	\$ 16,813,265	\$ 17,276,481	\$ 22,052,222	\$ 23,132,289	\$ 23,132,289	\$ 29,246,550	57.5%	59.1%	75.4%	79.1%	79.1%
						\$ 41,712,850					



Atikokan - Recommendations

	Enrolment					OTG					Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Atikokan															
Atikokan High School - Elementary	46	48	0	0	0	69	69				66.7%	69.6%			
North Star Community School	143	130	0	0	0	331	331				43.2%	39.3%			
Mine Centre Public School	65	59	63	65	61	127	127	127	127	127	51.2%	46.7%	49.5%	51.0%	47.6%
Atikokan High School	149	150	0	0	0	537	537				27.7%	27.9%			
New Atikokan JK-12 school	0	0	308	302	294			350	350	350			87.9%	86.2%	83.9%
Total	403	387	371	367	354	1064	1064	477	477	477	37.9%	36.4%	77.7%	76.8%	74.3%



Recommendations:

- There is a need to construct a replacement JK-12 on AHS site and examine potential community space partnerships with the Town
- There is a need to examine North Star alternative community use where the board retains ownership of the building and land
- Potential for reduced transportation costs, admin costs and operating costs and long-term capital investment requirements (i.e.. trading a \$41.7 million asset for a \$10 million asset).

Atikokan

New Atikokan JK-12 school

SFIS

0

Grades:

JK-12

Review Area: S01

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boundary or Program Adjustments +(In) - (Out):																
Redirected Grade 7/8 pupils from existing Atikokan HS				43	32	35	43	42	39	41	42	41	40	40	40	40
Redirected Grade 9-12 pupils from existing Atikokan HS				148	145	133	122	117	114	115	123	125	122	124	124	122
Redirected existing JK-6 pupils from North Star Community School				136	141	140	138	139	139	137	136	136	135	134	133	132
Total Assumed Enrolment	-	-	-	328	318	308	303	298	291	294	302	303	297	298	297	294
Capacity Summary:																
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar				300												
Total B & M Capacity	-	-	-	300	300	300	300	300	300	300	300	300	300	300	300	300
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-			1				(1)								
Total Assumed Temporary Capacity	-	-	-	23	23	23	23	-	-	-	-	-	-	-	-	-
Total Capacity Available	-	-	-	323	323	323	323	300	300	300	300	300	300	300	300	300
Difference	-	-	-	(5)	5	15	20	3	9	6	(2)	(3)	3	2	3	6
Capacity Utilization (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% of Enrolment In Temporary Space	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	99.2%	97.0%	97.9%	100.0%	100.0%	99.0%	99.3%	98.9%	97.9%

Proposed Site Acquisition and Accommodation Strategy:

Add STEM Centre

Construct 300 pp replacement school on existing Atikokan HS site. There maybe potential to partner with Town of Atikokan which is looking to construct a new community centre.

Examine potential to repurpose North Star Community School building for Long Term Care facility. RRDSB to retain existing North Star Community School lands.

Atikokan

Mine Centre Public School SFIS 11676 Grades: JK - 8

Review Area E01: Atikokan and Mine Center Child Care: 0

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	65	59	64	63	62	63	63	63	65	66	65	64	63	62	61	61
Boundary or Program Adjustments +(In) - (Out):																
Total Assumed Enrolment	65	59	64	63	62	63	63	63	65	66	65	64	63	62	61	61
Capacity Summary:																
Existing OTG Capacity	127															
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar																
Total B & M Capacity	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-															
Total Assumed Temporary Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
Difference	62	68	63	64	65	64	64	64	62	61	62	63	64	65	66	67
Capacity Utilization (Base Case Scenario)	51.2%	46.7%	50.2%	49.9%	48.8%	49.5%	49.6%	49.9%	51.3%	51.7%	51.0%	50.3%	49.6%	48.9%	48.2%	47.6%
% of Enrolment In Temporary Space (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	51.2%	46.7%	50.2%	49.9%	48.8%	49.5%	49.6%	49.9%	51.3%	51.7%	51.0%	50.3%	49.6%	48.9%	48.2%	47.6%

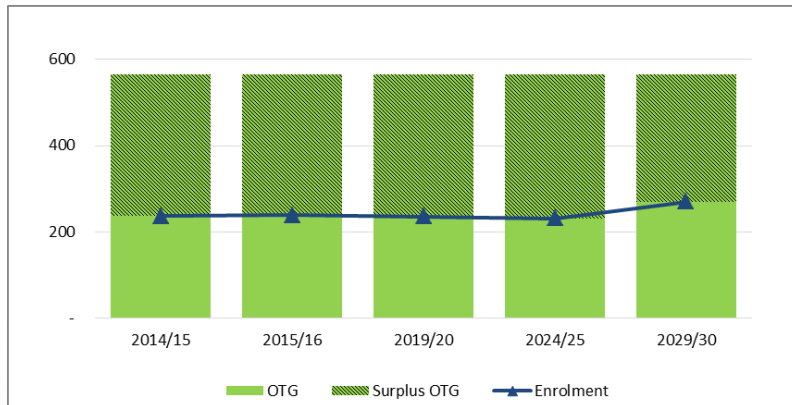
Proposed Site Acquisition and Accommodation Strategy:

Requires only facility renewal over forecast period.

The school was built in 2011 with a GFA of 1742 sq.ft. and on 5.44 acres.

Rainy River – Status Quo

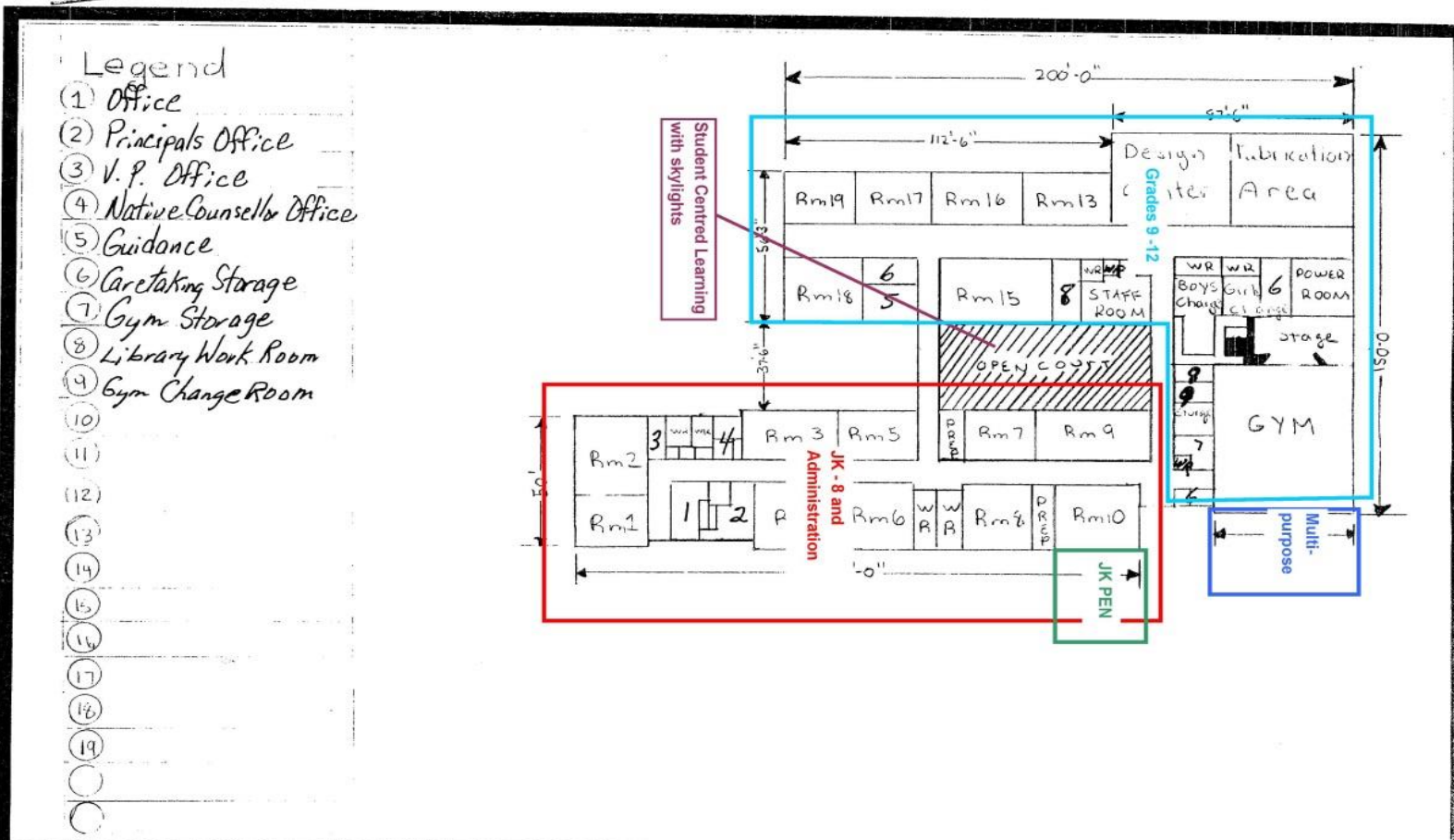
	Enrolment					OTG	Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030		2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
River Rainy											
Riverview Elementary School	125	124	124	122	113	208	60.1%	59.6%	59.8%	58.6%	54.1%
Rainy River High School	112	115	112	109	157	357	31.3%	32.2%	31.2%	30.6%	44.1%
Totals	237	239	236	231	270	565	41.9%	42.3%	41.8%	40.9%	47.8%



Observations:

- There is a need to right-size capacity required to student enrolment with utilization rates dropping below 50%
- There is sufficient space in Rainy River HS to accommodate a JK-12 program from a classroom perspective
- The configuration of Rainy River HS lends itself to a school-within-a-school, with modifications
- Community representatives indicated that they are looking to construct new community facilities and there is a potential for partnership (subject to funding by the Town)

Rainy River High School



Rainy River High School
Technological Program

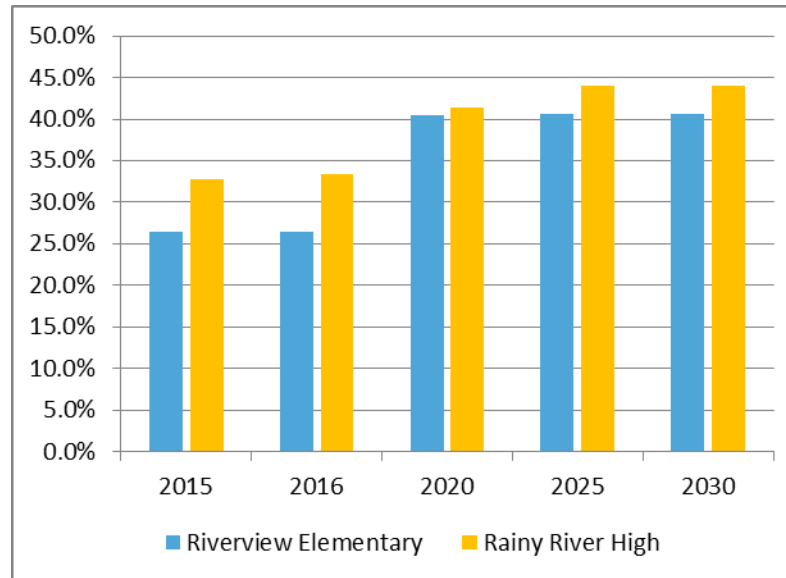
Title: Rainy River High School Floor - Plan

Drawn: M. Medwechuk
Date: Feb 13, 1998
Class Code:

Scale: 1" = 250'
DWG. NO.

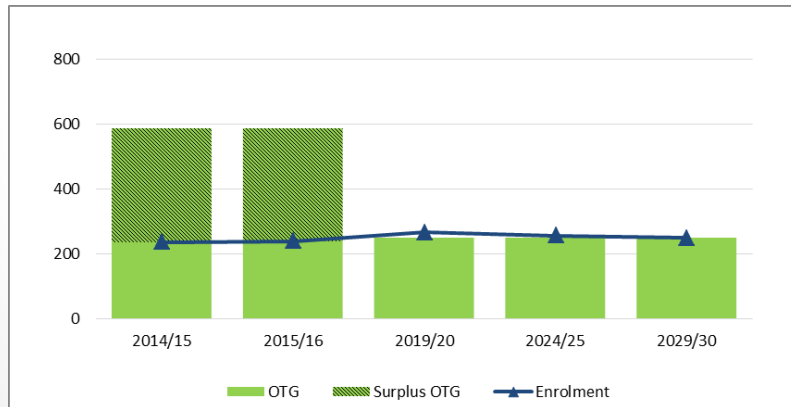
Rainy River - Renewal

Facility Name	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	Replacement Value	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Riverview Elementary	\$ 2,352,896	\$ 2,352,896	\$ 3,614,260	\$ 3,625,636	\$ 3,625,636	\$ 8,919,760	26.4%	26.4%	40.5%	40.6%	40.6%
Rainy River High	\$ 6,064,448	\$ 6,180,928	\$ 7,667,020	\$ 8,155,866	\$ 8,155,866	\$ 18,522,640	32.7%	33.4%	41.4%	44.0%	44.0%
						\$ 27,442,400					



Rainy River – Recommendations

	Enrolment					OTG					Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Rainy River															
Riverview Elementary School	125	124	0	0	0	231	231				54.1%	53.6%			
Rainy River High School	112	115	0	0	0	357	357				31.3%	32.2%			
New Rainy River JK-12 school	0	0	267	256	250			250	250	250			106.8%	102.5%	100.1%
Total	237	239	267	256	250	588	588	250	250	250	40.3%	40.6%	106.8%	102.5%	100.1%



Recommendations:

- While we have reflected construction of a new JK-12 school on the same site, consideration should be given to retrofit of Rainy River HS as a JK-12 facility

Rainy River

New Rainy River JK-12 school

SFIS

0

Grades: JK-12

Review Area: S03

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boundary or Program Adjustments +(In) - (Out):																
Redirect JK-8 pupils from Riverview ES						124	124	119	120	124	122	120	117	115	114	113
Redirect Grade 9-12 pupils from Rainy River HS						112	122	121	115	110	105	99	103	112	112	109
Redirect pupils from Sturgeon Creek PS						31	29	29	28	28	29	29	29	28	28	28
Total Assumed Enrolment	-	-	-	-	-	267	275	269	263	263	256	248	249	255	254	250
Capacity Summary:																
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar						250										
Total B & M Capacity	-	-	-	-	-	250	250	250	250	250	250	250	250	250	250	250
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-					1						(1)				
Total Assumed Temporary Capacity	-	-	-	-	-	23	23	23	23	23	23	-	-	-	-	-
Total Capacity Available	-	-	-	-	-	273	273	273	273	273	273	250	250	250	250	250
Difference	-	-	-	-	-	6	(2)	4	10	10	17	2	1	(5)	(4)	(0)
Capacity Utilization (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
% of Enrolment In Temporary Space	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	99.1%	99.5%	100.0%	100.0%	100.0%

Proposed Site Acquisition and Accommodation Strategy:

Add STEM Centre

Construct JK-12 replacement school on existing site north east of Riverview ES. The Town of Rainy River has indicated that there is a need to replace the community center. There is an opportunity for potential facility partnership with the Town. Examine additional potential for Long Term Care facility on-site as well as day care. Site size is 14.21 acres plus adjacent Town lands.

Rainy River SCC Business Case

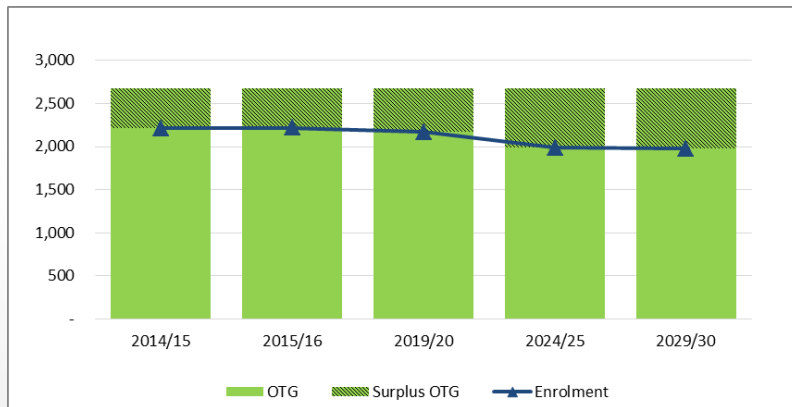
Ministry's Business Case Criteria:

1. Improvement in facility utilization – net reduction of 360 pp (1,713 sq. m. of space) with construction of 228 OTG
2. Impact on reducing operating and renewal costs – annual operating & admin savings in the order of \$115,000 – no transportation savings anticipated
3. Enrolment projections for schools in the area - McCrossen-Tovell and Sturgeon Creek both expected to decline, with an combined utilization of 52% within 10 years
4. Existing renewal needs of schools - Provincial taxpayer cost avoidance in the order of \$8.3 million for the period 2015 to 2025
5. Other benefits – safety, potential for program enhancements and increased collaboration, potential for community partnerships and increased community engagement
6. Results of ARC process – modified ARC process



Fort Frances – Status Quo

	Enrolment					OTG	Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030		2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
La Vallee, Devlin, Emo, Barwick & Stratton											
Donald Young Public School	195	196	199	191	184	225	86.7%	87.1%	88.6%	84.8%	81.9%
Crossroads Elementary Public School	161	150	160	152	156	222	72.5%	67.7%	72.0%	68.4%	70.3%
Sturgeon Creek School	107	111	100	94	91	185	57.8%	59.9%	53.9%	50.7%	49.3%
McCrossoon-Tovell Public School	27	21	23	16	12	90	30.0%	23.3%	25.4%	17.8%	13.3%
Nestor Falls Public School	15	18	18	20	20	46	32.6%	39.1%	39.1%	43.5%	43.5%
Fort Frances											
J W Walker Public School	364	354	330	301	288	328	111.0%	107.9%	100.6%	91.7%	87.7%
Robert Moore Public School	483	487	446	401	386	547	88.3%	89.1%	81.6%	73.2%	70.6%
Fort Frances High School	862	880	893	815	839	1,038	83.0%	84.8%	86.1%	78.5%	80.9%

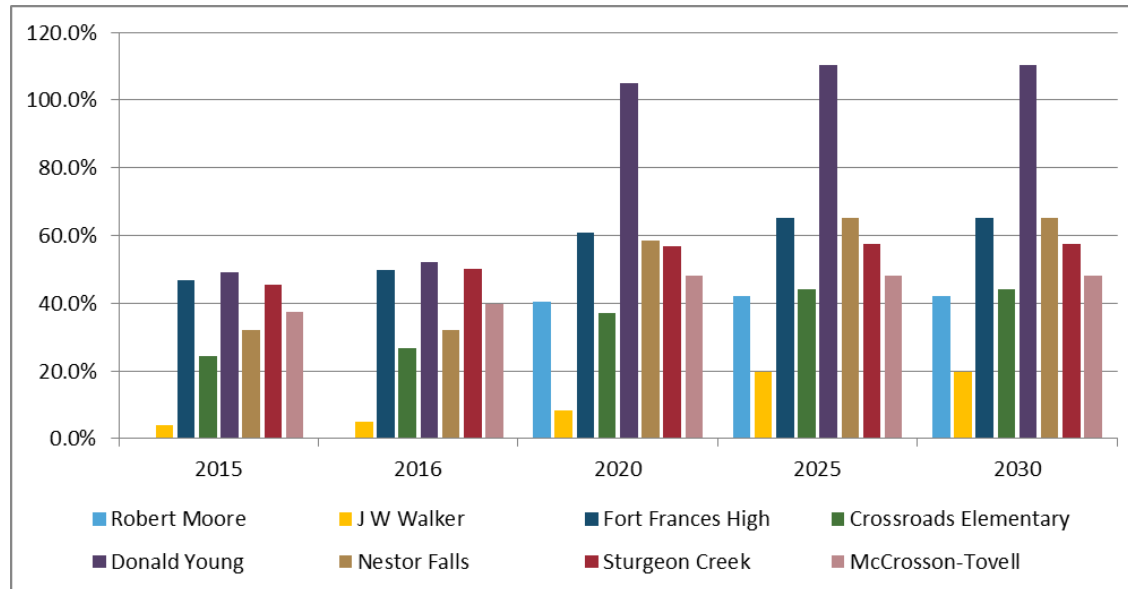


Observations:

- McCrossoon-Tovell PS and Nestor Falls PS will continue to see low utilization rates but are too distant to consider any amalgamation
- Donald Young has the highest FCI of the RRDSB schools
- Robert Moore recently rebuilt
- Northwest Catholic is seeking secondary presence in Fort Frances (may reduce 9-12 pupils by as much as 20%)

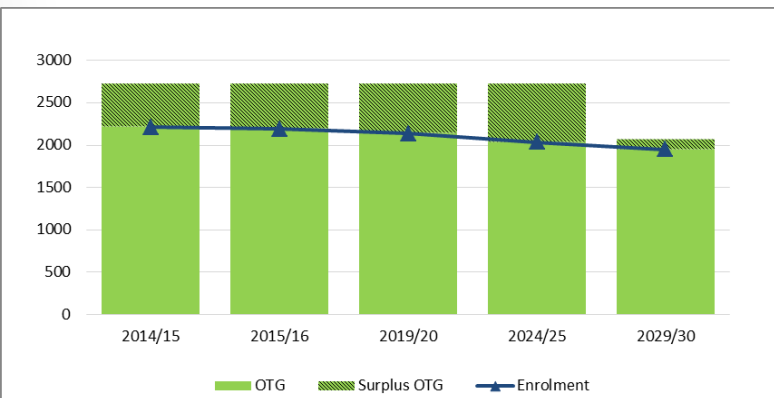
Fort Frances – Renewal

Facility Name	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	Replacement Value	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
Robert Moore	\$ -	\$ -	\$ 6,979,393	\$ 7,231,680	\$ 7,231,680	\$ 17,230,120	0.0%	0.0%	40.5%	42.0%	42.0%
J W Walker	\$ 435,290	\$ 566,746	\$ 948,377	\$ 2,243,841	\$ 2,243,841	\$ 11,424,970	3.8%	5.0%	8.3%	19.6%	19.6%
Fort Frances High	\$ 20,554,768	\$ 21,885,968	\$ 26,821,829	\$ 28,637,367	\$ 28,637,367	\$ 44,003,660	46.7%	49.7%	61.0%	65.1%	65.1%
Crossroads Elementary	\$ 2,170,480	\$ 2,361,840	\$ 3,296,905	\$ 3,907,751	\$ 3,907,751	\$ 8,893,010	24.4%	26.6%	37.1%	43.9%	43.9%
Donald Young	\$ 4,342,788	\$ 4,617,348	\$ 9,296,003	\$ 9,772,742	\$ 9,772,742	\$ 8,866,450	49.0%	52.1%	104.8%	110.2%	110.2%
Nestor Falls	\$ 626,184	\$ 626,184	\$ 1,144,612	\$ 1,280,509	\$ 1,280,509	\$ 1,961,490	31.9%	31.9%	58.4%	65.3%	65.3%
Sturgeon Creek	\$ 3,808,584	\$ 4,184,648	\$ 4,741,333	\$ 4,815,757	\$ 4,815,757	\$ 8,357,640	45.6%	50.1%	56.7%	57.6%	57.6%
McCrosson-Tovell	\$ 1,970,072	\$ 2,103,192	\$ 2,538,670	\$ 2,548,878	\$ 2,548,878	\$ 5,287,490	37.3%	39.8%	48.0%	48.2%	48.2%
						\$ 106,024,830					



Fort Frances – Recommendation

	Enrolment					OTG					Utilization				
	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030	2014/ 2015	2015/ 2016	2019/ 2020	2024/ 2025	2029/ 2030
La Vallee, Devlin, Emo, Barwick & Stratton															
Donald Young Public School	195	196	199	191	320	213	213	213	213	305	91.5%	92.0%	93.6%	89.5%	104.9%
Crossroads Elementary Public Schoc	161	150	131	129	0	222	222	222	222		72.5%	67.7%	59.2%	57.9%	
McCrosen-Tovell Public School	27	21	23	16	12	124	124	124	124	124	21.8%	16.9%	18.5%	12.9%	9.6%
Sturgeon Creek School	107	111	69	65	0	196	196	196	196		54.6%	56.5%	35.1%	33.0%	
Nestor Falls Public School	15	18	18	20	20	46	46	46	46	46	32.6%	39.1%	39.1%	43.5%	43.5%
Fort Frances															
JW Walker Public School	364	354	251	232	0	328	328	328	328		111.0%	107.9%	76.5%	70.8%	
Robert Moore School	483	487	333	300	516	550	550	550	550	550	87.8%	88.6%	60.6%	54.6%	93.8%
Fort Frances High School	862	855	1114	1085	1081	1038	1038	1038	1038	1038	83.0%	82.4%	107.3%	104.5%	104.1%



Recommendations:

- Redirect ~ 31 pupils from Sturgeon Creek to Rainy River JK-12
- Ministry approval to construct 8 classroom replacement of old wing at Donald Young plus new Admin space
- Potential Grade 7-12 in Fort Frances HS to include Crossroads and JW Walker(2017/18), Robert Moore(2018/19) and Donald Young and Sturgeon Creek (2027/28)
- Conduct ARC in 2025/26 to examine consolidation JK-6 from Sturgeon Creek and Crossroads into Donald Young (with a 4 classroom addition) for 2027/28 (would eliminate all split grades) and to examine closure of JW Walker into Robert Moore as a JK-6 school
- Examine potential to lease JW Walker for seniors living
- Creation of programs at JW Walker to address aging population and culinary arts (cold climate greenhouses initiatives)

Fort Frances

Donald Young Public School

SFIS

9377

Grades: JK - 8

Review Area E03: Emo and Berwick

Child Care: 0

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	195	196	196	198	203	199	207	199	195	191	191	189	188	187	185	184
Boundary or Program Adjustments +(In) - (Out):																
Redirect JK-6 pupils from Sturgeon Creek PS														45	45	45
Redirect JK-6 pupils from Crossroads Elem PS														130	130	130
Redirect Grade 7 & 8 pupils to Fort Frances HS														-39	-39	-39
Total Assumed Enrolment	195	196	196	198	203	199	207	199	195	191	191	189	188	322	321	320
Capacity Summary:																
Existing OTG Capacity	213															
Capacity Declared Surplus to Operating Needs														92		
Construct New Bricks and Mortar																
Total B & M Capacity	213	213	213	213	213	213	213	213	213	213	213	213	213	305	305	305
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapak	1			(1)												
Total Assumed Temporary Capacity	23	23	23	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	236	236	236	213	213	213	213	213	213	213	213	213	213	305	305	305
Difference	41	40	40	15	10	14	6	14	18	22	22	24	26	(17)	(16)	(15)
Capacity Utilization (Base Case Scenario)	91.5%	92.0%	92.2%	93.1%	95.3%	93.6%	97.0%	93.5%	91.5%	89.5%	89.5%	88.5%	88.0%	87.6%	87.0%	86.5%
% of Enrolment In Temporary Space (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	91.5%	92.0%	92.2%	93.1%	95.3%	93.6%	97.0%	93.5%	91.5%	89.5%	89.5%	88.5%	88.0%	105.6%	105.2%	104.9%
Facility Condition Index		49.0%	52.1%	59.4%	61.9%	69.5%	104.8%	104.8%	104.8%	110.2%	110.2%	110.2%	110.2%	110.2%	110.2%	110.2%
Renewal Funds (Cumulative) '000s		\$ 4,343	\$ 4,617	\$ 5,265	\$ 5,491	\$ 6,160	\$ 9,296	\$ 9,296	\$ 9,296	\$ 9,773	\$ 9,773	\$ 9,773	\$ 9,773	\$ 9,773	\$ 9,773	\$ 9,773

Proposed Site Acquisition and Accommodation Strategy:

Undertake ARC process in 2025.

In 2016, the old wing of Donald Young will be replaced with a new 8 classroom addition and administration space. Construct 4 classroom addition in 2028/29

The school was built in 1955 with a GFA of 1987 sq.ft. and on 4.94 acres.

Fort Frances

McCrosen-Tovell Public School

SFIS

9382

Grades: JK - 8

Review Area E05: Nestor Falls, Bergland, Gameland and Morson

Child Care: 0

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	27	21	25	24	23	23	21	20	20	19	16	16	15	14	13	12
Boundary or Program Adjustments +(In) - (Out):																
Total Assumed Enrolment	27	21	25	24	23	23	21	20	20	19	16	16	15	14	13	12
Capacity Summary:																
Existing OTG Capacity	124															
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar																
Total B & M Capacity	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-															
Total Assumed Temporary Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124	124
Difference	97	103	99	100	101	101	103	104	104	105	108	108	109	110	111	112
Capacity Utilization (Base Case Scenario)	21.8%	16.9%	20.2%	19.3%	18.5%	18.5%	16.9%	16.1%	16.1%	15.2%	12.9%	12.9%	12.0%	11.2%	10.4%	9.6%
% of Enrolment in Temporary Space (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	21.8%	16.9%	20.2%	19.3%	18.5%	18.5%	16.9%	16.1%	16.1%	15.2%	12.9%	12.9%	12.0%	11.2%	10.4%	9.6%
Facility Condition Index		37.3%	39.8%	40.3%	40.3%	42.1%	48.0%	48.0%	48.0%	48.2%	48.2%	48.2%	48.2%	48.2%	48.2%	48.2%
Renewal Funds (Cumulative) '000s		\$ 1,970	\$ 2,103	\$ 2,130	\$ 2,130	\$ 2,225	\$ 2,539	\$ 2,539	\$ 2,539	\$ 2,549	\$ 2,549	\$ 2,549	\$ 2,549	\$ 2,549	\$ 2,549	\$ 2,549

Proposed Site Acquisition and Accommodation Strategy:

Requires facility renewal only over forecast period - no ability to consolidate program or alter grade structure offering due to distance to nearest school.

The school was built in 1968 with a GFA of 724 sq.ft. and on 4.94 acres.

Fort Frances

Nestor Falls Public School

SFIS

9383

Grades: JK - 8

Review Area E05: Nestor Falls, Bergland, Gameland and Morson

Child Care: 0

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	15	18	18	19	19	18	20	20	18	20	20	20	20	20	20	20
Boundary or Program Adjustments + (In) - (Out):																
Total Assumed Enrolment	15	18	18	19	19	18	20	20	18	20	20	20	20	20	20	20
Capacity Summary:																
Existing OTG Capacity	46															
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar																
Total B & M Capacity	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-															
Total Assumed Temporary Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46	46
Difference	31	28	28	27	27	28	26	26	28	26	26	26	26	26	26	26
Capacity Utilization (Base Case Scenario)	32.6%	39.1%	39.1%	41.3%	41.3%	39.1%	43.5%	43.5%	39.1%	43.5%	43.5%	43.5%	43.5%	43.5%	43.5%	43.5%
% of Enrolment in Temporary Space (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	32.6%	39.1%	39.1%	41.3%	41.3%	39.1%	43.5%	43.5%	39.1%	43.5%	43.5%	43.5%	43.5%	43.5%	43.5%	43.5%
Facility Condition Index		31.9%	31.9%	31.9%	32.5%	37.4%	58.4%	64.6%	64.7%	65.3%	65.3%	65.3%	65.3%	65.3%	65.3%	65.3%
Renewal Funds (Cumulative) '000s		\$ 626	\$ 626	\$ 626	\$ 637	\$ 734	\$ 1,145	\$ 1,266	\$ 1,268	\$ 1,281	\$ 1,281	\$ 1,281	\$ 1,281	\$ 1,281	\$ 1,281	\$ 1,281

Proposed Site Acquisition and Accommodation Strategy:

Requires facility renewal only over forecast period - no ability to consolidate program or alter grade structure offering due to distance to nearest school.

The school was built in 1944 with a GFA of 412 sq.ft. and on 1.78 acres.

Fort Frances

Robert Moore School

SFIS

11300

Grades: JK - 8

Review Area E02: Fort Frances

Child Care: B&A

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Total Projected Enrolment	483	487	477	473	458	446	432	431	414	401	401	397	394	391	389	386
Boundary or Program Adjustments + (In) - (Out):																
Redirect Grade 7 & 8 students to Fort Frances HS					(125)	(113)	(113)	(124)	(108)	(99)	(100)	(99)	(97)	(96)	(96)	(94)
Redirected JK-6 pupils from J W Walker														227	225	224
Total Assumed Enrolment	483	487	477	473	333	333	319	307	306	303	300	298	297	522	518	516
Capacity Summary:																
Existing OTG Capacity	550															
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar																
Total B & M Capacity	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-															
Total Assumed Temporary Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550	550
Difference	67	63	73	77	217	217	231	243	244	247	250	252	253	28	32	34
Capacity Utilization (Base Case Scenario)	87.8%	88.6%	86.7%	86.1%	83.3%	81.1%	78.5%	78.4%	75.3%	72.9%	72.8%	72.1%	71.6%	71.1%	70.7%	70.2%
% of Enrolment in Temporary Space (Base Case Scenario)	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	87.8%	88.6%	86.7%	86.1%	60.6%	60.6%	57.9%	55.8%	55.7%	55.0%	54.6%	54.2%	53.9%	95.0%	94.2%	93.8%
Facility Condition Index		0.0%	0.0%	28.4%	40.5%	40.5%	40.5%	41.5%	41.5%	42.0%	42.0%	42.0%	42.0%	42.0%	42.0%	42.0%
Renewal Funds (Cumulative) *000s	\$ -	\$ -	\$ 4,891	\$ 6,971	\$ 6,979	\$ 6,979	\$ 7,152	\$ 7,152	\$ 7,232	\$ 7,232	\$ 7,232	\$ 7,232	\$ 7,232	\$ 7,232	\$ 7,232	\$ 7,232

Proposed Site Acquisition and Accommodation Strategy:

Facility renewal only required.

The school was built in 2010 with a GFA of 4787 sq.ft. and on 5.78 acres.

Fort Frances

Fort Frances High School

SFIS

9395

Grades: 9 - 12

Review Area: S02

Child Care: 0

	Hist 2014 /2015	Curr 2015 /2016	Year 1 2016 /2017	Year 2 2017 /2018	Year 3 2018 /2019	Year 4 2019 /2020	Year 5 2020 /2021	Year 6 2021 /2022	Year 7 2022 /2023	Year 8 2023 /2024	Year 9 2024 /2025	Year 10 2025 /2026	Year 11 2026 /2027	Year 12 2027 /2028	Year 13 2028 /2029	Year 14 2029 /2030
Enrolment Summary:																
Existing Community Enrolment	701	700	711	689	715	736	721	756	745	736	736	716	707	691	682	682
UNFC Campus Enrolment	161	155	154	157	161	157	157	157	158	158	157	157	157	158	158	157
Total Projected Enrolment	862	855	865	846	876	893	878	914	903	893	893	873	865	849	839	839
Boundary or Program Adjustments +(In) - (Out):																
Redirected Grade 7/8 pupils from J W Walker & Crossroads				110	107	108	100	95	114	105	92	93	92	91	91	90
Redirected Grade 7/8 pupils from Robert Moore					125	113	113	124	108	99	100	99	97	96	96	94
Redirected Grade 7/8 pupils from Sturgeon Creek														18	18	18
Redirected Grade 7/8 pupils from Donald Young														39	39	39
Total Assumed Enrolment	862	855	865	956	1,108	1,114	1,091	1,133	1,124	1,096	1,085	1,065	1,054	1,092	1,083	1,081
Capacity Summary:																
Existing OTG Capacity	1,038															
Capacity Declared Surplus to Operating Needs																
Construct New Bricks and Mortar																
Total B & M Capacity	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038
Change in Temporary Space:																
Acquisition/Disposition of Portables, RCMs or Portapaks	-															
Total Assumed Temporary Capacity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Capacity Available	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038	1,038
Difference	176	183	173	82	(70)	(76)	(53)	(95)	(86)	(58)	(47)	(27)	(16)	(54)	(45)	(43)
Capacity Utilization (Base Case Scenario)	83.0%	82.4%	83.3%	81.5%	84.4%	86.1%	84.6%	88.0%	87.0%	86.1%	86.1%	84.1%	83.3%	81.7%	80.9%	80.9%
% of Enrolment In Temporary Space	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Capacity Utilization (Proposed Scenario)	83.0%	82.4%	83.3%	92.1%	106.7%	107.3%	105.1%	109.1%	108.3%	105.6%	104.5%	102.6%	101.5%	105.2%	104.4%	104.1%
Facility Condition Index		46.7%	49.7%	49.8%	52.3%	55.3%	61.0%	63.4%	63.4%	65.1%	65.1%	65.1%	65.1%	65.1%	65.1%	65.1%
Renewal Funds (Cumulative) *000s		\$ 20,555	\$ 21,886	\$ 21,911	\$ 23,014	\$ 24,335	\$ 26,822	\$ 27,892	\$ 27,892	\$ 28,637	\$ 28,637	\$ 28,637	\$ 28,637	\$ 28,637	\$ 28,637	\$ 28,637

Proposed Site Acquisition and Accommodation Strategy:

Requires facility renewal only. Reconfigure a portion of the space to add a STEM Centre and examine potential to construct a cold climate geo-thermal greenhouse on SW corner of F W Walker site (Federal grants funds should be available Spring 2016. Co-terminous board seeking a secondary presence in Fort Frances and could retain apportionment up to 40%)

Explore opportunities to create hospitality, horticulture, culinary, dietetic & food services management program to make more efficient use of school kitchens (e.g. co-ordinated school breakfast and lunch programs), community events and feeding seniors as a cost recovery and job creation program.

The school was built in 1971 with a GFA of 13850 sq.ft.. and on 14.08 acres.