

## WATERFORD VALLEY HIGH SCHOOL SYSTEM REVIEW



## BACKGROUND

The Board of Trustees has directed the staff of the Newfoundland and Labrador English School District (NLESD) to investigate options for the reconfiguration of the Waterford Valley High school system to accommodate projected enrolment pressures at St. Mary's Elementary.

## CURRENT CONFIGURATION

The Waterford Valley High school system consists of Cowan Heights Elementary (K-7), Hazelwood Elementary (K-6), St. Mary's Elementary (K-6), St. Matthew's Elementary (K-7), St. John Bosco (K-9), Beaconsfield Junior High (7-9), and Waterford Valley High (10-12) in St. John's.

### COWAN HEIGHTS ELEMENTARY

- Cowan Heights Elementary is a grade K-7 school with 23 classrooms.
- Building was constructed in 1974.

### HAZELWOOD ELEMENTARY

- Hazelwood Elementary is a grade K-6 school with 25 classrooms.
- Building was constructed in 1975.

### ST. MARY'S ELEMENTARY

- St. Mary's Elementary is a grade K-6 school with 7 classrooms.
- Building was constructed in 1961.

### ST. MATTHEW'S ELEMENTARY

- St. Matthew's Elementary is a grade K-7 school with 24 classrooms.
- Building was constructed in 1983.

### ST. JOHN BOSCO (K-9)

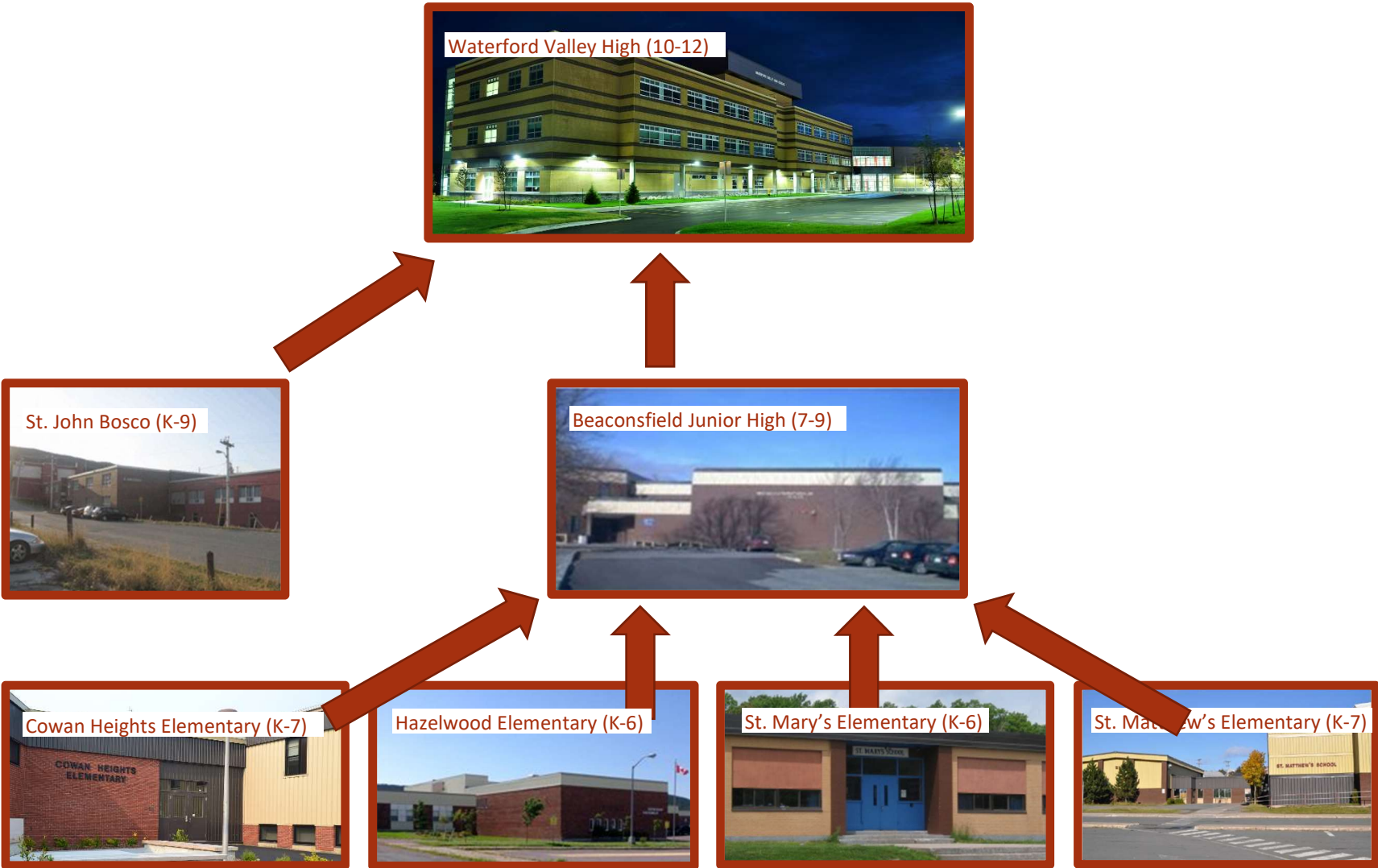
- St. John Bosco is a grade K-9 school with 25 classrooms.
- Building was constructed in 1960.

### BEACONSFIELD JUNIOR HIGH

- Beaconsfield Junior High is a grade 7-9 school with 25 classrooms.
- Building was constructed in 1973.

### WATERFORD VALLEY HIGH

- Waterford Valley High is a grade 10-12 school with 32 classrooms.
- Building was constructed in 2015.



## ENROLMENT PROJECTIONS AND ROOM REQUIREMENTS

Enrolment projections were conducted by NLESD using Baragar Systems, a custom planning software suite for use by school districts across Canada.

Room requirements are calculated on the basis of maximum class caps. For example, the class cap in primary grades is 25 students, so if there were 50 students projected in grade 2, this means the room requirement would be listed as 2 rooms of 25 students per class. However, if there were 51 students projected for the next year in grade 3, the room requirement would be listed as 3 rooms of 17 students per class. Combined classes of up to 18 students for grades 1 to 6 are assumed and included in room requirement calculations. Schools with less than 25 students may use multi-grading, in which the cap on number of students depends on the grade configuration. Senior high classes have no official cap; these room requirement calculations assume a cap of 30.

## COWAN HEIGHTS ELEMENTARY

Assuming the current K-7 configuration, the enrolment projections for Cowan Heights Elementary are shown in Figure 1 below.

	K	1	2	3	4	5	6	7	Total	Rooms
2019	60	54	39	44	50	53	54	33	387	21
2020	46	58	53	38	45	49	52	50	391	22
2021	46	45	58	53	39	43	48	48	380	20
2022	40	46	45	57	55	37	42	44	366	19
2023	41	39	46	44	59	52	37	40	358	20
2024	39	41	39	45	46	57	52	35	354	19
2025	38	38	40	39	47	44	57	48	351	19
2026	35	37	38	40	40	45	44	53	332	18
2027	35	35	37	38	42	39	44	41	311	19
2028	33	34	35	37	40	41	38	41	299	16
2029	33	33	35	35	39	38	40	35	288	16

Figure 1: Cowan Heights Elementary enrolment projections

The projection model shows enrolment decreasing to a low of 288 in 2023. The school is projected to require a maximum of 22 classrooms in 2020.

## HAZELWOOD ELEMENTARY

Assuming the current K-6 configuration, the enrolment projections for Hazelwood Elementary are shown in Figure 2 below.

	K	1	2	3	4	5	6	Total	Rooms
2019	90	55	64	73	55	74	81	492	22
2020	65	92	54	62	75	55	76	479	21
2021	74	66	90	52	64	76	57	479	22
2022	65	75	65	87	54	64	78	488	22
2023	66	66	73	63	89	54	67	478	21
2024	66	67	65	71	64	89	56	478	21
2025	66	67	66	63	72	65	92	491	22
2026	66	67	65	64	64	73	67	466	22
2027	66	67	65	64	65	65	75	467	21
2028	66	67	65	64	65	66	67	460	22
2029	66	68	65	64	65	66	68	462	22

Figure 2: Hazelwood Elementary enrolment projections

The projection model shows enrolment decreasing to a low of 460 in 2028. The school is projected to require a maximum of 22 classrooms in 2021, 2022, 2025, 2026, 2028, and 2029.

## ST. MARY'S ELEMENTARY

Assuming the current K-6 configuration, the enrolment projections for St. Mary's Elementary are shown in Figure 3 below.

	K	1	2	3	4	5	6	Total	Rooms
2019	32	25	25	19	37	29	23	190	9
2020	21	33	25	26	18	34	30	187	11
2021	16	22	33	27	25	17	36	176	9
2022	20	17	22	34	26	24	18	161	8
2023	24	20	18	23	34	24	25	168	9
2024	24	25	21	18	23	32	25	168	9
2025	24	25	25	22	18	22	33	169	9
2026	24	25	25	26	21	17	23	161	9
2027	24	25	25	26	26	20	18	164	9
2028	24	25	25	26	26	24	21	171	9
2029	24	25	25	26	26	24	25	175	9

Figure 3: St. Mary's Elementary enrolment projections

The projection model shows enrolment decreasing to a low of 161 in 2022 and 2026. The school is projected to require a maximum of 11 classrooms in 2020.

**ST. MATTHEW'S ELEMENTARY**

Assuming the current K-7 configuration, the enrolment projections for St. Matthew's Elementary are shown in Figure 4 below.

	<b>K</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>Total</b>	<b>Rooms</b>
2019	52	56	51	47	60	50	63	60	439	23
2020	48	50	57	52	42	60	48	65	422	22
2021	48	46	51	57	46	43	59	52	402	22
2022	38	46	47	52	53	46	41	60	383	19
2023	50	37	47	47	46	53	44	43	367	21
2024	51	48	37	47	43	46	51	49	372	21
2025	51	49	49	37	43	43	45	51	368	19
2026	51	49	50	49	34	43	41	47	364	20
2027	51	49	50	51	45	34	41	42	363	20
2028	52	49	50	51	46	45	33	42	368	20
2029	52	50	50	51	46	46	43	33	371	21

Figure 4: St. Matthew's Elementary enrolment projections

The projection model shows enrolment decreasing to a low of 363 in 2027. The school is projected to require a maximum of 22 classrooms in 2020 and 2021.



## ST. JOHN BOSCO

Assuming the current K-9 configuration, the enrolment projections for St. John Bosco are shown in Figure 5 below.

	K	1	2	3	4	5	6	7	8	9	Total	Rooms
2019	18	10	22	17	18	22	20	14	22	25	188	10
2020	19	18	11	23	17	19	22	21	14	22	186	10
2021	14	20	19	11	23	18	19	23	21	14	182	10
2022	13	14	21	19	10	24	18	20	23	21	183	10
2023	15	14	15	21	19	11	24	19	20	24	182	10
2024	14	15	15	16	21	20	11	25	19	20	176	10
2025	14	14	16	15	15	22	20	13	25	19	173	10
2026	13	13	14	15	14	16	22	22	13	25	167	10
2027	12	13	14	14	15	15	16	23	22	13	157	10
2028	11	12	13	14	14	16	15	18	23	22	158	10
2029	11	11	13	13	13	15	16	17	18	24	151	10

Figure 5: St. John Bosco enrolment projections

The projection model shows enrolment decreasing to a low of 151 in 2029. The school is projected to require a maximum of 10 classrooms in all years.

## BEACONSFIELD JUNIOR HIGH

Assuming the current 7-9 configuration, the enrolment projections for Beaconsfield Junior High are shown in Figure 6 below.

	7	8	9	Total	Rooms
2019	120	186	227	533	21
2020	114	211	190	515	19
2021	103	232	215	550	22
2022	98	208	236	542	21
2023	108	207	212	527	21
2024	100	199	211	510	20
2025	85	190	203	478	19
2026	135	188	194	517	20
2027	95	238	193	526	20
2028	104	184	242	530	20
2029	95	190	189	474	18

Figure 6: Beaconsfield Junior High enrolment projections

The projection model shows enrolment decreasing to a low of 474 in 2029. The school is projected to require a maximum of 18 classrooms in 2029.

## WATERFORD VALLEY HIGH

Assuming the current 10-12 configuration, the enrolment projections for Waterford Valley High are shown in Figure 7 below.

	10	11	12	13	Total	Rooms
2019	201	217	212	37	667	23
2020	241	207	196	37	681	23
2021	206	246	190	37	679	23
2022	219	208	224	37	688	23
2023	245	223	189	37	694	24
2024	229	248	204	37	718	24
2025	223	232	226	37	718	24
2026	211	225	213	37	686	23
2027	203	213	206	37	659	22
2028	194	205	195	37	631	22
2029	240	196	188	37	661	23

Figure 7: Waterford Valley High enrolment projections

The projection model shows enrolment decreasing to a low of 631 in 2028. The school is projected to require a maximum of 24 classrooms in 2023 to 2025.

## PLANNED CONFIGURATION

To accommodate the enrolment of the St. Mary's Elementary catchment, the configuration of St. Mary's Elementary could be changed to a K-4 school beginning in the 2020-21 school year. Grade five and six students who would have attended St. Mary's Elementary could attend grades five and six at Hazelwood Elementary instead, before proceeding on to Beaconsfield Junior High for grade seven.

This change would have no impact on Cowan Heights Elementary, St. Matthew's Elementary, St. John Bosco, Beaconsfield Junior High, or Waterford Valley High.



## HAZELWOOD ELEMENTARY

Assuming the planned K-6 configuration (with grade five and six students currently attending St. Mary's Elementary), the enrolment projections for Hazelwood Elementary are shown in Figure 8 below.

	K	1	2	3	4	5	6	Total	Rooms
2019	90	55	64	73	55	74	81	492	22
2020	65	92	54	62	75	89	106	543	24
2021	74	66	90	52	64	93	93	532	23
2022	65	75	65	87	54	88	96	530	23
2023	66	66	73	63	89	78	92	527	23
2024	66	67	65	71	64	121	81	535	23
2025	66	67	66	63	72	87	125	546	24
2026	66	67	65	64	64	90	90	506	23
2027	66	67	65	64	65	85	93	505	23
2028	66	67	65	64	65	90	88	505	23
2029	66	68	65	64	65	90	93	511	23

Figure 8: Hazelwood Elementary enrolment projections

The projection model shows enrolment increasing to a high of 546 in 2025. The school is projected to require a maximum of 24 classrooms in 2020 and 2025.

## ST. MARY'S ELEMENTARY

Assuming the planned K-4 configuration, the enrolment projections for St. Mary's Elementary are shown in Figure 9 below.

	K	1	2	3	4	5	6	Total	Rooms
2019	32	25	25	19	37	29	23	190	9
2020	21	33	25	26	18			123	8
2021	16	22	33	27	25			123	6
2022	20	17	22	34	26			119	6
2023	24	20	18	23	34			119	7
2024	24	25	21	18	23			111	6
2025	24	25	25	22	18			114	6
2026	24	25	25	26	21			121	7
2027	24	25	25	26	26			126	7
2028	24	25	25	26	26			126	7
2029	24	25	25	26	26			126	7

Figure 9: St. Mary's Elementary enrolment projections

The projection model shows enrolment decreasing to a low of 111 in 2024. The school is projected to require a maximum of 8 classrooms in 2020. The school could use team teaching in kindergarten or grade three for the 2020-21 school year to accommodate the K-4 enrolment in seven classrooms.

Further information on these schools can be found at the links below.

Cowan Heights Elementary: [nlesd.ca/schools/schoolprofile.jsp?id=219](https://nlesd.ca/schools/schoolprofile.jsp?id=219)

Hazelwood Elementary: [nlesd.ca/schools/schoolprofile.jsp?id=222](https://nlesd.ca/schools/schoolprofile.jsp?id=222)

St. Mary's Elementary: [nlesd.ca/schools/schoolprofile.jsp?id=238](https://nlesd.ca/schools/schoolprofile.jsp?id=238)

St. Matthew's Elementary: [nlesd.ca/schools/schoolprofile.jsp?id=239](https://nlesd.ca/schools/schoolprofile.jsp?id=239)

St. John Bosco: [nlesd.ca/schools/schoolprofile.jsp?id=237](https://nlesd.ca/schools/schoolprofile.jsp?id=237)

Beaconsfield Junior High: [nlesd.ca/schools/schoolprofile.jsp?id=213](https://nlesd.ca/schools/schoolprofile.jsp?id=213)

Waterford Valley High: [nlesd.ca/schools/schoolprofile.jsp?id=515](https://nlesd.ca/schools/schoolprofile.jsp?id=515)