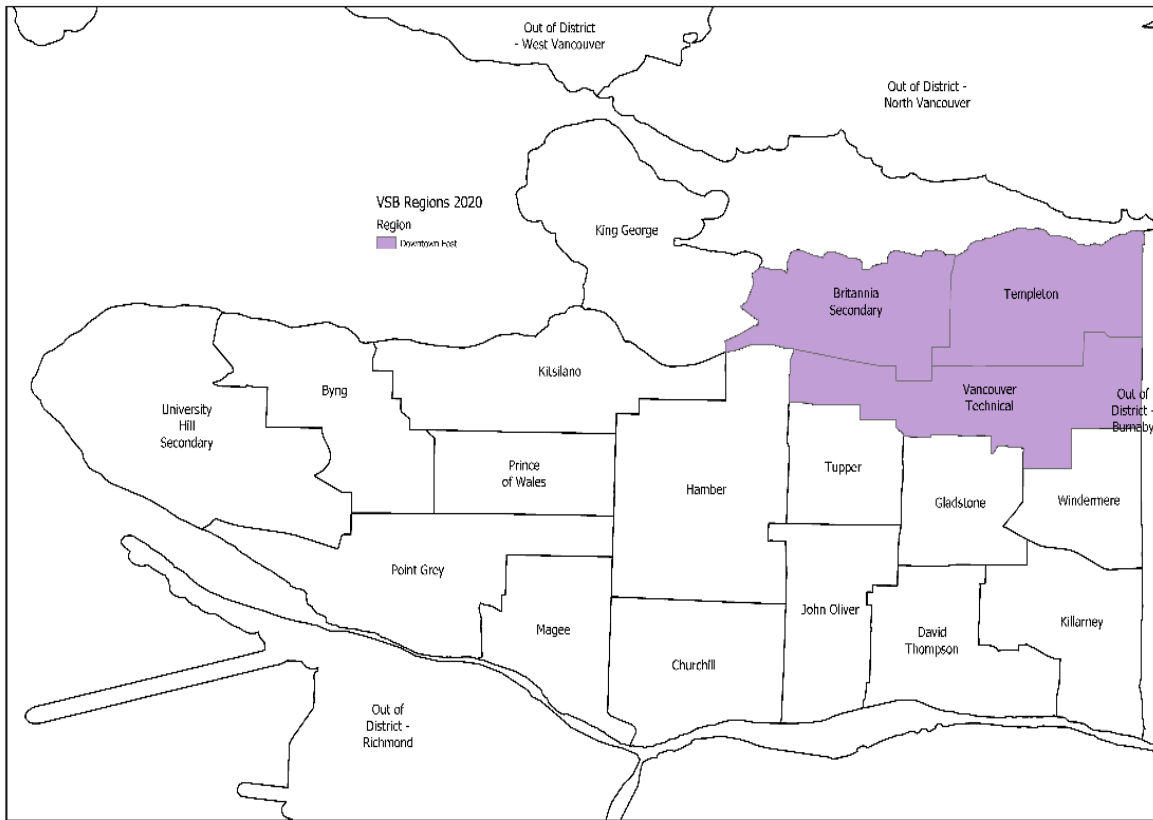


5 PLANNING STRATEGIES FOR DOWNTOWN EAST FAMILY OF SCHOOLS REGION



5.1 FAMILIES OF SCHOOLS IN DOWNTOWN EAST REGION

The Downtown east region has three families of schools (FOS).

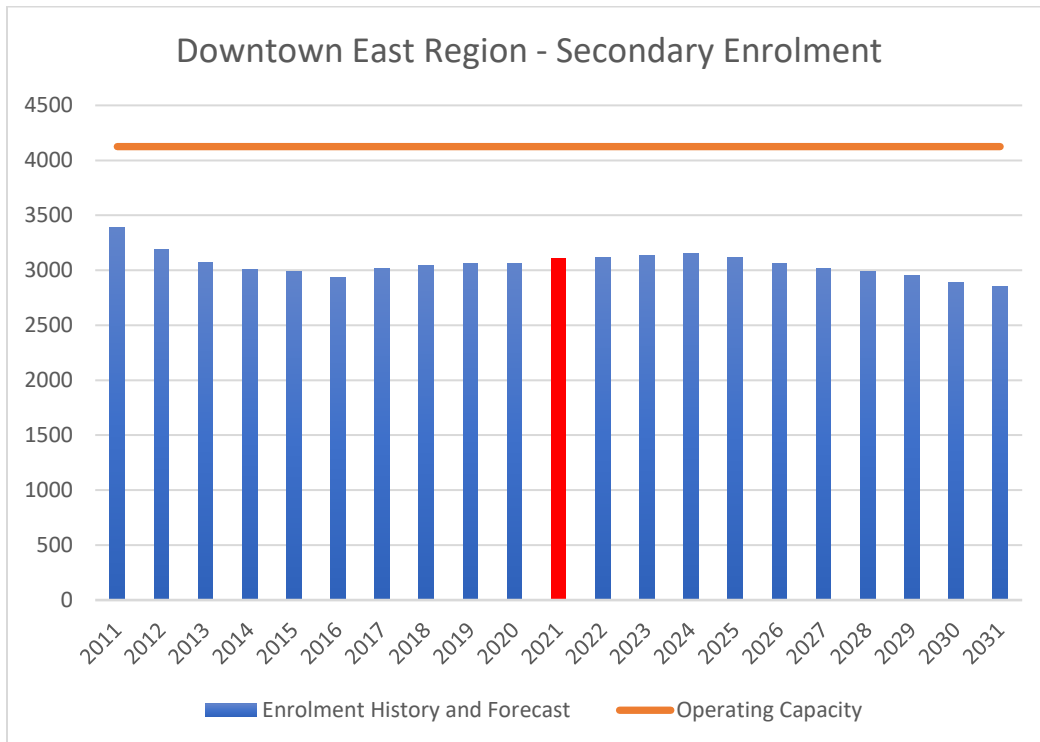
Region	Secondary Schools/Family	Elementary Schools in FOS
Downtown east	1. Britannia Family	Britannia Elementary
		Seymour Elementary
		Strathcona Elementary
	2. Templeton Family	wək' wəh əs tə syaqwəm
		Begbie Elementary
		Franklin Elementary
		Hastings Elementary
		Lord Elementary
		Nelson Elementary
		Tillicum Annex
χpeý (District school for Indigenous Focus choice program)		

Region	Secondary Schools/Family	Elementary Schools in FOS
Downtown east	3. Vancouver Technical Family	Grandview Elementary ᑕᓐᓐᓴᑎᓐᓕᑦᕐᕐᕐ
		Maquinna Elementary
		Mount Pleasant Elementary
		Nootka Elementary
		Queen Alexandra Elementary
		Queen Victoria Annex
		Secord Elementary
		Thunderbird Elementary šxʷəxʷaᑦᑎ

5.2 SECONDARY STUDENT ACCOMMODATION CONSIDERATIONS

5.2.1 OVERVIEW

- In 2021, there was surplus capacity at each of the secondary schools in the Downtown east region
- Catchment students can be accommodated at their secondary catchment schools
- Regular program enrolment is forecast to remain stable until 2026, with forecast decline thereafter
- Forecasts indicate that all program enrolment will be able to be accommodated for many years



5.2.2 OPERATING CAPACITY AND CAPACITY UTILIZATION

- BC Resident enrolment includes all in catchment, out of catchment, and out of District enrolment in the regular, choice, school specialty, and learning services student programs
- Total enrolment also includes fee paying students in the International Education Program

2021 Secondary School Operating Capacity and Capacity utilization

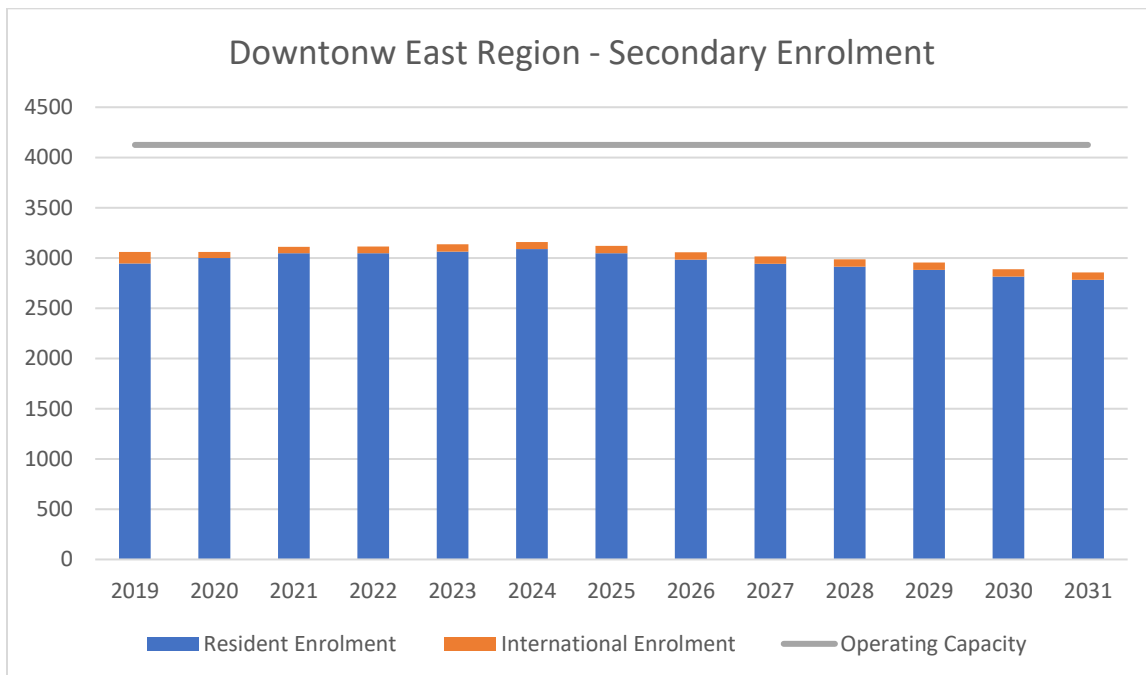
Region	Total Operating Capacity	BC Resident Enrolment	Total Enrolment	Capacity Utilization (BC Resident)	Capacity Utilization (Total)
Downtown east	4125	3047	3112	74%	75%

- The total surplus capacity available in the Downtown east region is 1,013 spaces
- The forecast enrolment trend is for enrolment decrease of 257 students in the regular program by 2031
- The forecast surplus capacity in 2031 is 1,270 spaces

2021 Enrolment Breakdown by Program Category

Program Category	Enrolment Total	Enrolment %
Regular	1918	62%
District Choice	894	29%
*District Learning Services	235	8%
District International	65	2%
Total	3112	100%

*Includes Learning Services Student Programs and Alternative Programs



5.3 SECONDARY STUDENT ACCOMMODATION STRATEGY

- For many years, all secondary schools in the Downtown east region have had sufficient space to accommodate all catchment students that wish to attend their catchment school.
- For the past several years, the District has managed out of catchment enrolment in the regular program to ensure that all 18 secondary schools have a sustainable and predictable Grade 8 cohort size.
- Despite ongoing management of out of catchment Grade 8 enrolment Britannia and Templeton secondary schools in Downtown east region are challenged by reduced Grade 8 cohort size.
- Enrolment forecasts indicate that there will be sufficient capacity to accommodate all catchment students in the regular program at their catchment school in the Downtown east region for many years
- There is sufficient capacity in the Downtown east region to accommodate all current program needs.
- No changes to current enrolment procedures are required
- The enrolment at Templeton and Britannia secondary schools is below the preferred school size range for secondary schools of 1,200-1,750 students

5.4 ELEMENTARY STUDENT ACCOMMODATION CONSIDERATIONS

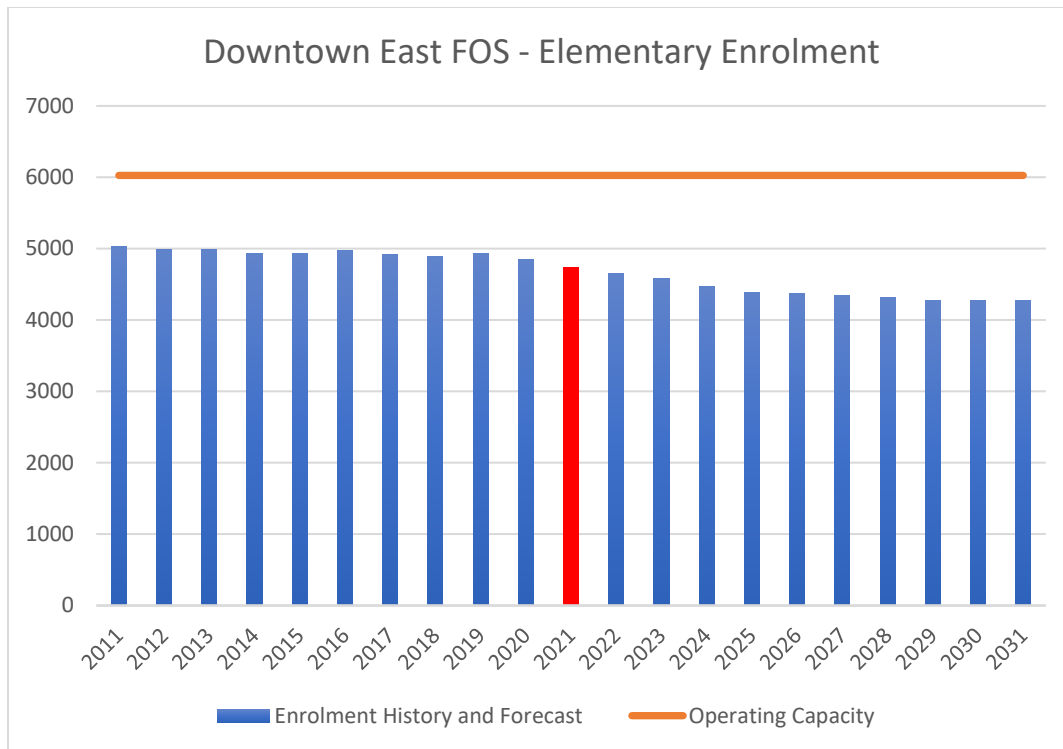
5.4.1 OVERVIEW

Enrolment and Capacity Utilization

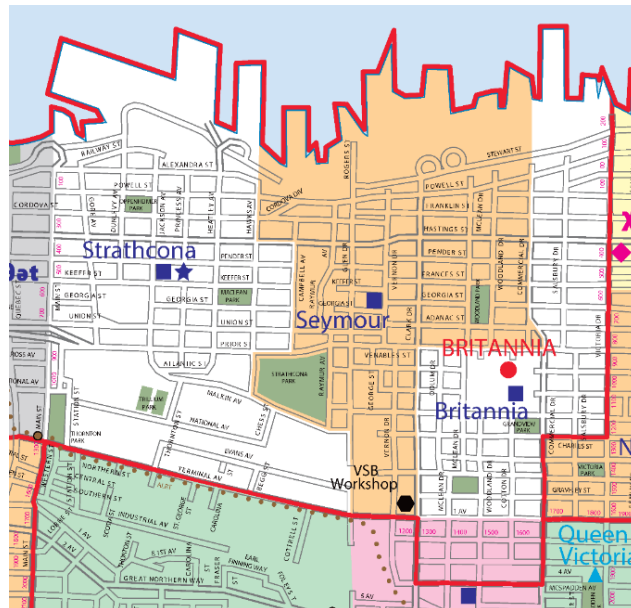
Family of Schools	Total Operating Capacity	2021 Total Enrolment	2031 Forecast Enrolment	2021 Capacity Utilization	2031 Capacity Utilization	*Enrolment Trend
Britannia	1062	811	895	76%	84%	Increasing
Templeton	2344	1910	1625	81%	69%	Declining
Vancouver Technical	2620	2021	1754	77%	67%	Declining
Total	6026	4742	4274	79%	71%	Declining

*If the change in capacity utilization is less than or equal to 5% then the enrolment trend is stable. If capacity utilization is forecast to increase by more than 5%, the enrolment trend is increasing. If capacity utilization is forecast to decrease by more than 5%, the enrolment trend is decreasing.

- The Downtown east region is characterized by variable utilization rates of school capacity
- Catchment students can be accommodated at their catchment school in all elementary schools in the Britannia FOS, and the Vancouver Technical FOS
- Enrolment pressure is resulting in kindergarten waitlists at Nelson Elementary in the Templeton FOS

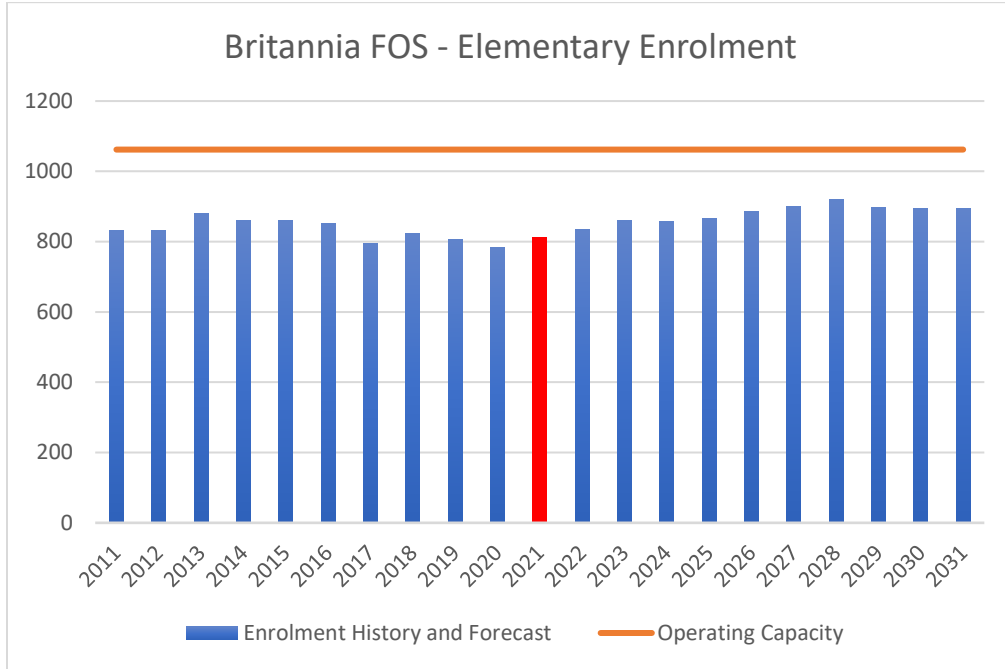


5.4.2 BRITANNIA FOS



- Forecasts indicate that all program enrolment will be able to be accommodated for many years in the Britannia FOS
- The main building at Seymour Elementary accommodates Seymour catchment students
- Strathcona is used as an overflow site to accommodate waitlisted students from the King George FOS

- Continue to monitor enrolment at Britannia elementary

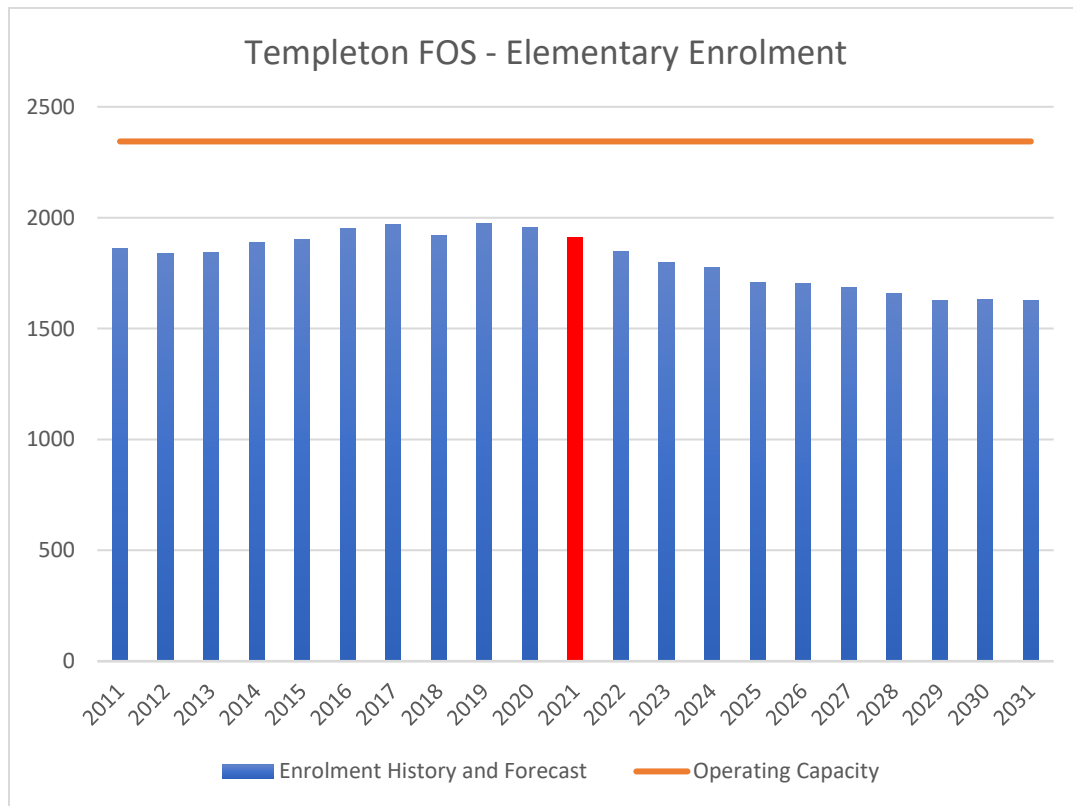


5.4.3 TEMPLETON FOS

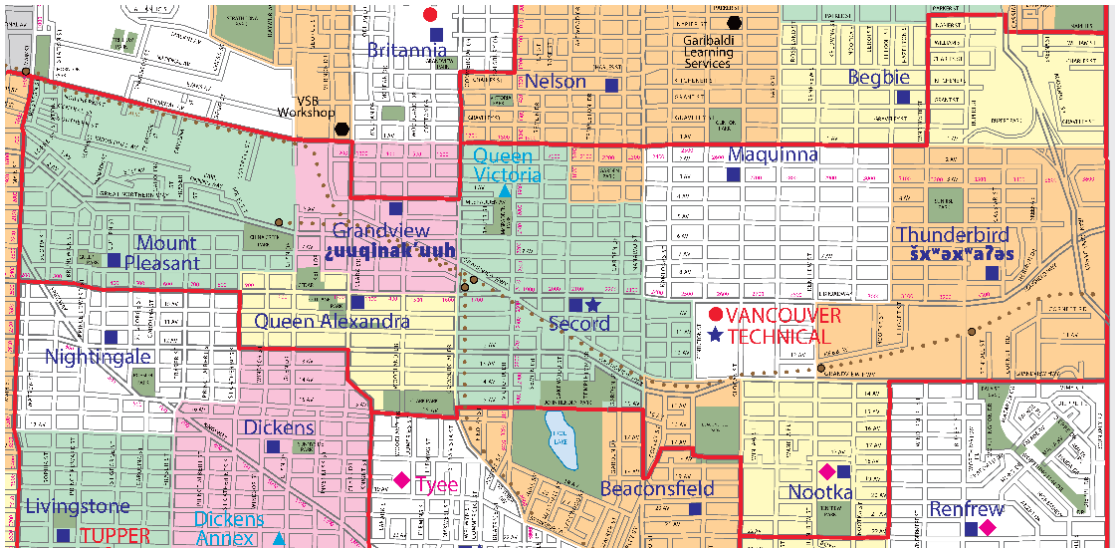


- Nelson is experiencing enrolment pressure
- Hastings is operating at capacity, continue to monitor enrolment
- In 2021, Nelson had waitlists of catchment kindergarten students.
- In 2021, waitlisted students from Nelson were placed at nearby schools.
- The new replacement school at Nelson was opened in September 2019

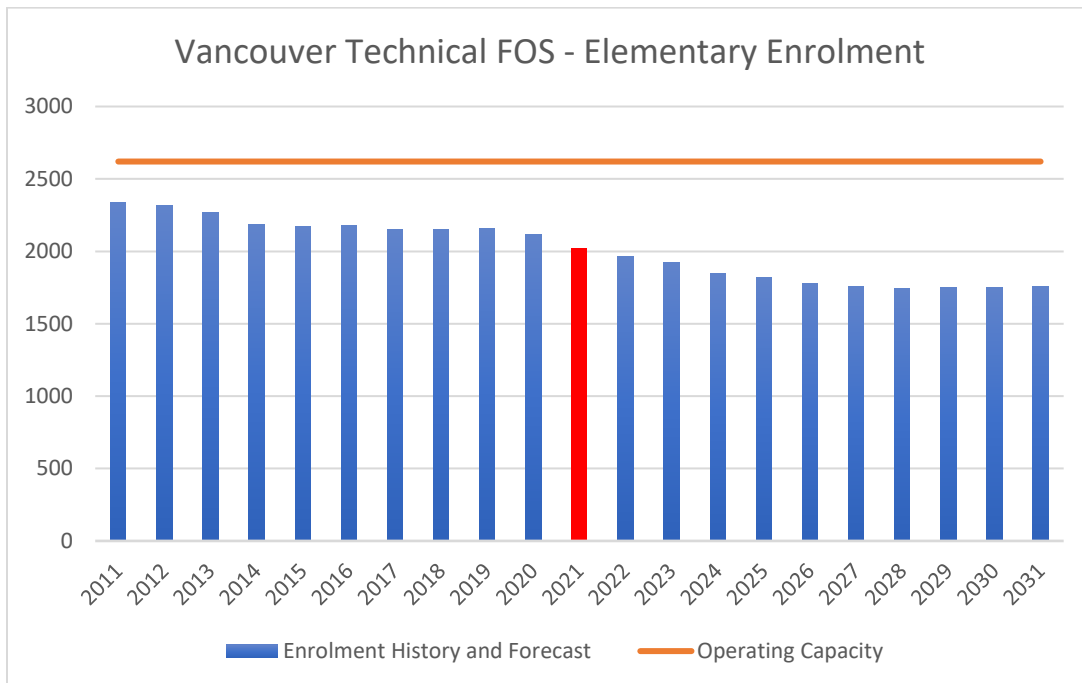
- The new replacement school at wək' ʷań əs tə syaqʷəm - Begbie, currently in the construction phase, is scheduled for occupancy in 2022.
- The new wək' ʷań əs tə syaqʷəm - Begbie will have 14 classrooms which is 6 fewer than the existing school
- Although further enrolment decline is forecast for the wək' ʷań əs tə syaqʷəm - Begbie catchment, experience has shown that the availability of a new school often results in increased enrolment demand
- It is likely that wək' ʷań əs tə syaqʷəm - Begbie will be able to accommodate its own catchment enrolment in future years, but it will have minimal space to accommodate overflow from nearby schools



5.4.4 VANCOUVER TECHNICAL FOS



- Forecasts indicate that all program enrolment will be able to be accommodated for many years in the Vancouver Tech FOS
- Mount Pleasant is used as an overflow school for waitlisted students from False Creek (Kitsilano FOS)
- Queen Victoria Annex is used to accommodate waitlisted catchment kindergarten students from the Nelson catchment



5.5 ELEMENTARY STUDENT ACCOMMODATION STRATEGY

5.5.1 OVERVIEW

- Enrolment pressure at Nelson Elementary in the Templeton FOS will persist
- Schools in the Britannia FOS and Vancouver Technical FOS will continue to have sufficient capacity to accommodate catchment students for many years

5.5.2 BRITANNIA FOS

- Continue to manage cross boundary enrolment to ensure efficient and effective use of staffing
- Monitor Strathcona enrolment to ensure that catchment students can continue to be accommodated

5.5.3 TEMPLETON FOS

- Continue to restrict out of catchment enrolment and Nelson
- Continue to limit out of catchment enrolment at wək' ʷaḥ əs tə syaḡʷəm - Begbie, Lord, Tillicum and Hastings

5.5.4 VANCOUVER TECHNICAL FOS

- Continue to manage cross boundary enrolment to ensure efficient and effective use of staffing

5.6 BALANCING CAPACITY WITH ENROLMENT

5.6.1 OVERVIEW

- Enrolment pressure is localized at Nelson elementary
- At the remaining 15 schools with local catchments enrolment and capacity are balanced, or surplus capacity exists

5.6.2 BRITANNIA FOS

- Surplus capacity could be addressed by using one or a combination of the strategies set out in sections 5.8 to 5.10 - Optimizing Utilization of School Assets - found in the District Overview Section of this report.
- Monitor enrolment at Britannia Elementary

5.6.3 TEMPLETON FOS

- Where surplus capacity exists in the Templeton FOS it could be addressed by using one or a combination of the strategies set out in sections 5.8 to 5.10 - Optimizing Utilization of School Assets - found in the District Overview Section of this report

5.6.4 VANCOUVER TECHNICAL FOS

- Where surplus capacity exists in the Vancouver Technical FOS it could be addressed by using one or a combination of the strategies set out in sections 5.8 to 5.10 - Optimizing Utilization of School Assets - found in the District Overview Section of this report

5.7 SECONDARY FACILITIES CONDITION AND SEISMIC UPGRADE CONSIDERATIONS

5.7.1 OVERVIEW

- Vancouver Technical Secondary is the only seismically safe secondary school in the Downtown east region
- 41 per cent of secondary school operating capacity in the Downtown east region is seismically safe
- 59 per cent of secondary school operating capacity in the region is rated as high risk
- Templeton and Britannia secondary schools are not supported projects in the SMP
- Templeton and Britannia secondary schools both have a very poor building condition rating based on their FCI
- Due to their complexity and the large capital investment required, secondary school seismic projects take 7 to 9 years to move from the feasibility study phase to occupancy.

5.7.2 FACILITIES AND SEISMIC UPGRADE CONSIDERATIONS

FCI and Seismic Status of Secondary Schools in the Downtown east region

Secondary School Name	Building Condition Rating	Seismic Risk Rating	SMP Status
BRITANNIA	Poor	Partially Completed	Unsupported
TEMPLETON	Poor	H1	Unsupported
VAN TECH	Poor	Completed	Completed

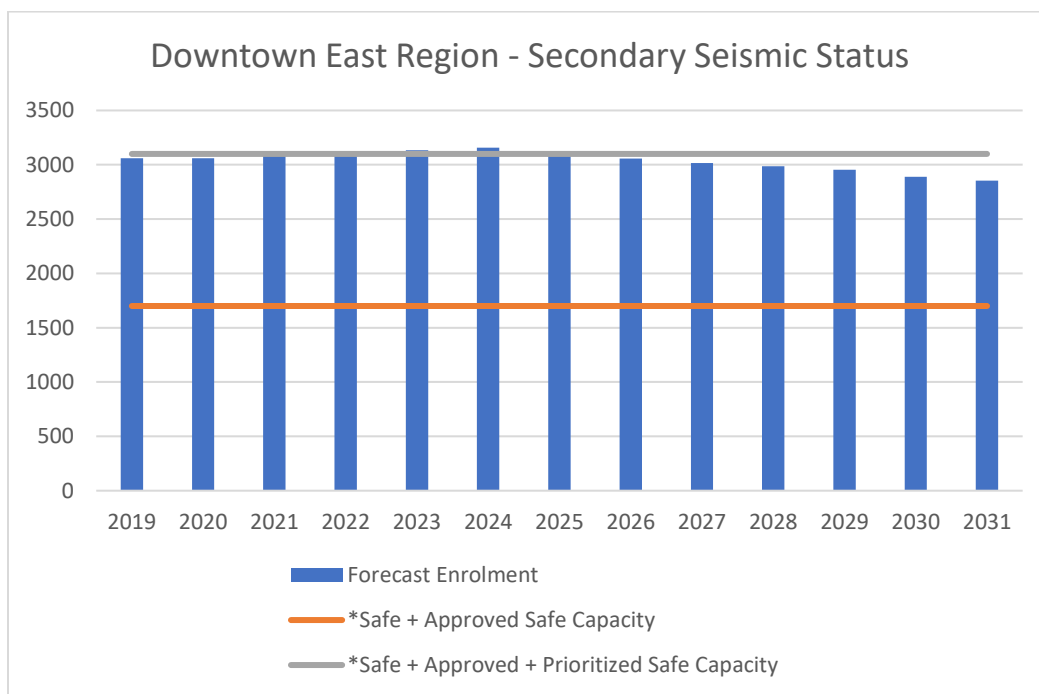
Seismically Safe Capacity and Enrolment in the Downtown east region

Secondary School Name	Operating Capacity	2021 Total Enrolment	Resident	International Education Enrolment	2031 Forecast Enrolment
BRITANNIA	1025	615	607	8	668
TEMPLETON	1400	892	870	22	859
VAN TECH	1700	1605	1570	35	1328
Total	4125	3112	3047	65	2855

Future Scenarios

- Vancouver Technical Secondary will be able to accommodate forecast enrolment for many years

- Some seismically safe capacity at Vancouver Technical will be available to accommodate additional students
- Templeton Secondary is prioritized in year 5 of the 2022-23 capital plan
- There will be insufficient seismically safe capacity in the Downtown east region for many years
- The Facilities Planning Committee was updated on the [Britannia Renewal Master Plan](#) on September 11, 2019
- In July 2018, the City of Vancouver approved the Britannia Renewal Master Plan
- The City of Vancouver in the Britannia Master planning process currently underway
- The next phase in the process is rezoning of the site
- The timeframe for renewing and transforming the site is in the range of 10 to 20 years
- A seismic upgrade project for Britannia secondary school is not included in the Britannia Master Renewal Plan



5.8 ELEMENTARY FACILITIES CONDITION AND UPGRADE CONSIDERATIONS

5.8.1 OVERVIEW

- 43 per cent of operating capacity is seismically safe including completed projects and buildings with low seismic risk ratings
- 57 per cent of operating capacity is rated as high risk
- wək' wəh əs tə syaq'əm - Begbie Elementary is in the construction phase of the SMP
- Franklin, Grandview - ʔuuqinak'uuh, and Seymour elementary schools have been prioritized in the 2022-23 capital plan

5.8.2 BRITANNIA FOS

- 74 per cent of operating capacity is safe
- Seymour Elementary is prioritized in year 5 of the 2022-23 capital plan

Seismically Safe Capacity and Enrolment in Britannia FOS

Elementary School Name	Building Condition Rating	Seismic Risk Rating	SMP Status	Operating Capacity	2021 Total Enrolment	2031 Forecast Enrolment
Britannia	Poor	Completed	Completed	221	209	228
Seymour	Poor	H1	Unsupported	380	144	120
Strathcona	Poor	Completed	Completed	461	458	547
Total				1062	811	895

Future Scenarios

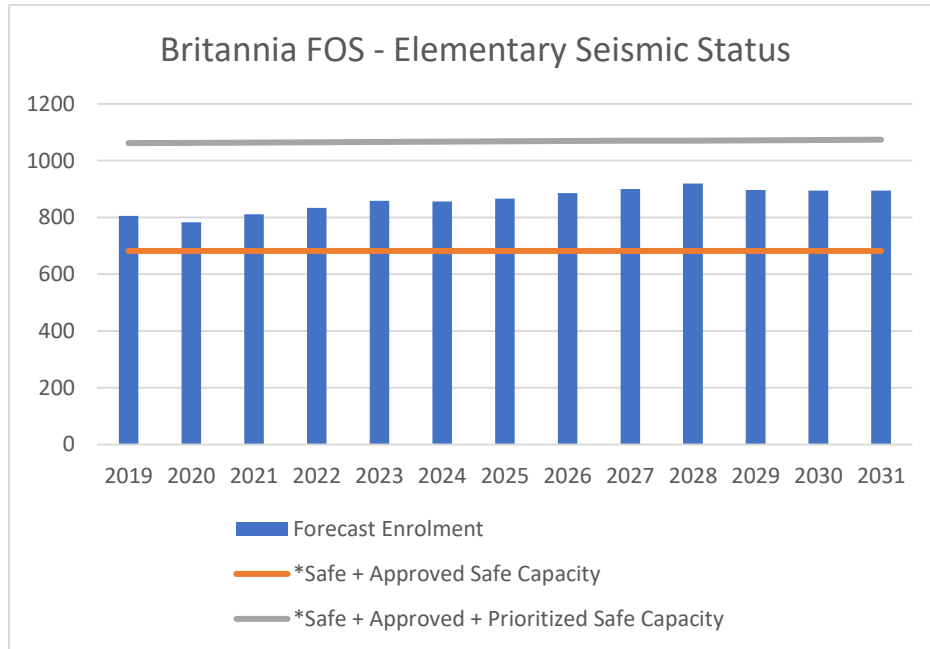
- If Seymour is seismically upgraded, and retains its current capacity, the Britannia FOS will have a safe capacity of 1,064
- The 2031 enrolment forecast for the Britannia FOS is 895

Scenario 1 – Seymour advances in the SMP

- The completion of a seismic upgrade at Seymour would provide sufficient safe capacity to accommodate forecast enrolment and provide surplus safe capacity that could be used to accommodate students from nearby schools that are not seismically safe

Scenario 2 – Seymour is not advanced in the SMP

- If Seymour is not advanced for funding through the SMP there will be a forecast safe capacity deficit of 213 in the Britannia FOS in 2031
- There will be insufficient seismically safe capacity within the Britannia FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Britannia FOS



5.8.3 TEMPLETON FOS

- The capacity and enrolment at xpey have been included in the Templeton FOS
- 45 per cent of operating capacity is seismically safe including completed projects and buildings with low seismic risk ratings
- wək' wʌn əs tə syaqwəm - Begbie is scheduled for occupancy in 2023 which will provide additional safe capacity of 307 seats and at that time 58 per cent of operating capacity in the region will be safe
- Franklin is prioritized in year 3 of the 2022-23 capital plan
- The 2031 enrolment forecast for the Templeton FOS is 1,625
- In future years, some surplus safe capacity at Maquinna Elementary (Vancouver Technical FOS) will be available

Seismically Safe Capacity and Enrolment in Templeton FOS

Elementary School	Building Condition Rating	Seismic Risk Rating	SMP Status	Operating Capacity	2021 Total Enrolment	2031 Forecast Enrolment
Nelson	Excellent	Completed	Completed	416	463	379
Lord	Very Poor	H3	Unsupported	330	193	158
Franklin	Poor	H1	Unsupported	266	203	239
Hastings	Poor	L	Completed	637	532	413
Tillicum Annex	Very Poor	H1	Unsupported	149	116	92
wək' wʌn əs tə syaqwəm Begbie	Poor	H1	Construction	307	312	252

xpey	Very Poor	H1	Unsupported	239	91	92
Total				2344	1910	1625

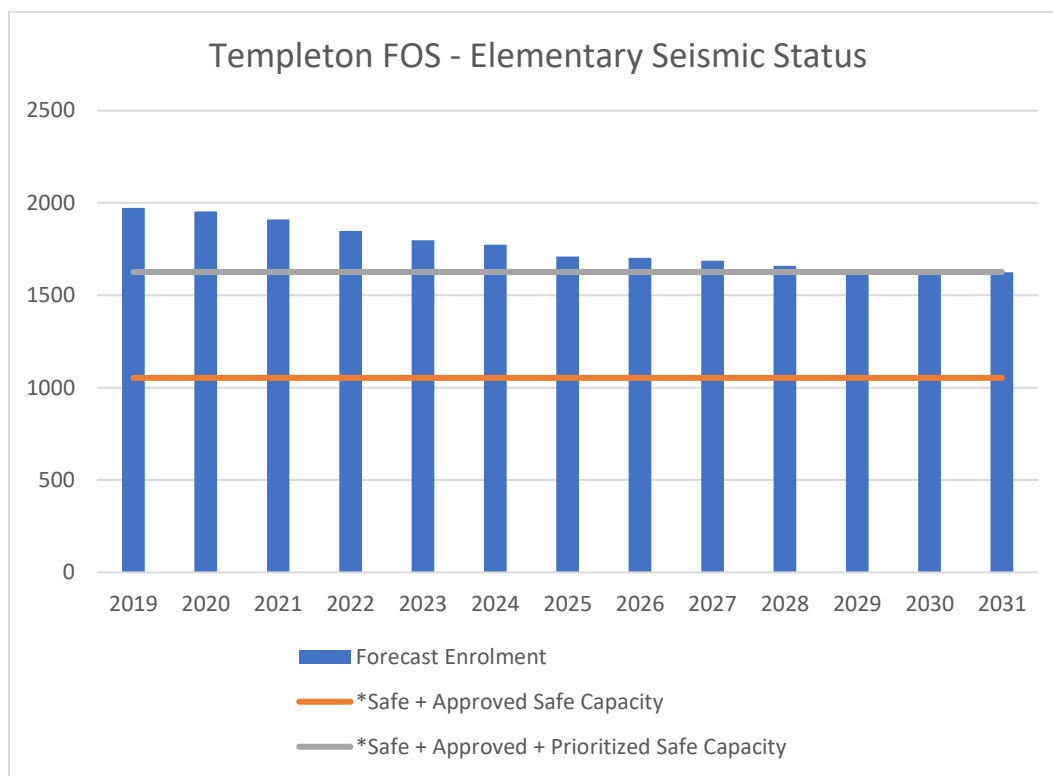
Future Scenarios

Scenario 1 – Franklin is advanced in the SMP

- If Franklin is seismically upgraded, and retains its current capacity, total safe capacity at completed schools and schools with Low risk would be 1,630
- There could be sufficient seismically safe capacity at within the Templeton FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Templeton FOS

Scenario 2 – Franklin is not Advanced in the SMP

- If Franklin is not advanced for funding through the SMP there will be insufficient seismically safe capacity to accommodate students from Franklin or Lord at nearby schools
- There will be insufficient seismically safe capacity within the Templeton FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Templeton FOS



*Includes schools with a low or medium seismic risk rating

5.8.4 VANCOUVER TECHNICAL FOS

- 32 per cent of the operating capacity is seismically safe
- Mount Pleasant Elementary is prioritized in year 3 of the 2022-23 capital plan
- Grandview - ʔuuqinak’uh Elementary is prioritized in year 5 of the 2022-23 capital plan

- The 2031 enrolment forecast for the Vancouver Technical FOS is 1,754

Seismically Safe Capacity and Enrolment in Vancouver Technical FOS

Elementary School	Building Condition Rating	Seismic Risk Rating	SMP Status	Operating Capacity	2021 Total Enrolment	2031 Forecast Enrolment
Nootka	Poor	H3	Unsupported	506	404	366
Queen Alexandra	Very Poor	H1	Unsupported	262	142	112
Grandview ᑕᓄᓄᓄᓄᓄᓄᓄ	Poor	H1	Unsupported	199	129	132
Queen Victoria Annex	Very Poor	H3	Unsupported	199	111	80
Secord	Fair	Completed	Completed	619	639	580
Mount Pleasant	Very Poor	H3	Unsupported	284	214	193
Maquinna	Very Poor	Completed	Completed	221	179	108
Thunderbird ᓄᓄᓄᓄᓄᓄᓄᓄᓄ	Poor	H3	Unsupported	330	203	183
Total				2620	2021	1754

Future Scenarios

Scenario 1 - Mount Pleasant and Grandview - ᑕᓄᓄᓄᓄᓄᓄᓄ are advanced in the SMP

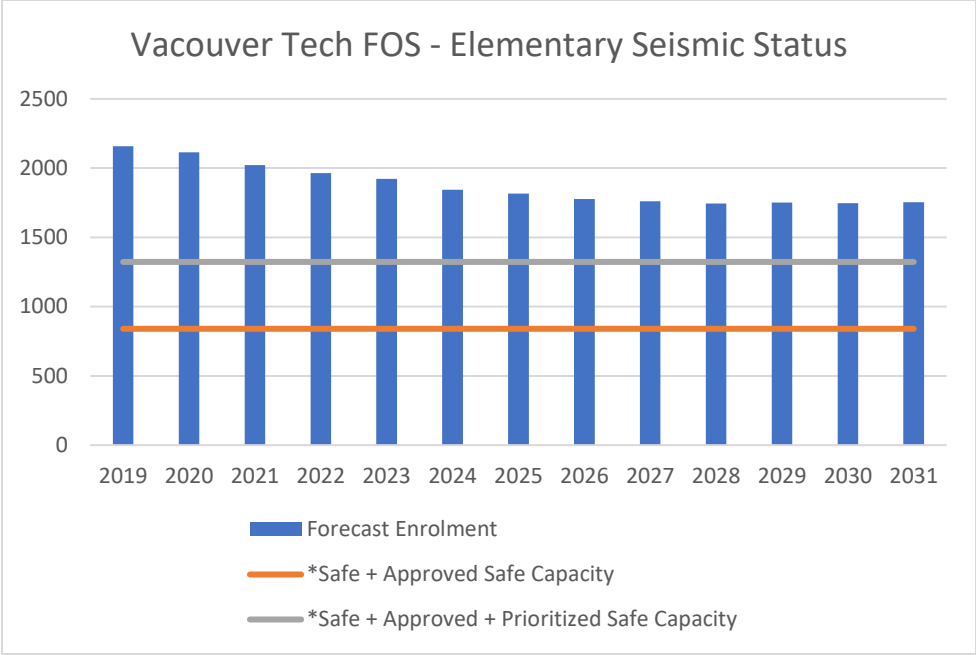
- If both Mount Pleasant and Grandview - ᑕᓄᓄᓄᓄᓄᓄᓄ are seismically upgraded, and retain their current capacity, the Vancouver Technical FOS will have a safe capacity of 1,323 seats
- There will be insufficient seismically safe capacity within the Vancouver Technical FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Vancouver Technical FOS

Scenario 2 - Mount Pleasant is advanced in the SMP

- If Mount Pleasant is seismically upgraded, and retains its current capacity, the Vancouver Technical FOS will have a safe capacity of 1,124 seats
- There will be insufficient seismically safe capacity within the Vancouver Technical FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Vancouver Technical FOS

Scenario 3 - Mount Pleasant and Grandview - ᑕᓄᓄᓄᓄᓄᓄᓄ are not advanced in the SMP

- In this scenario, there will be no change to the seismically safe capacity in the Vancouver Technical FOS
- There will be insufficient seismically safe capacity at within the Vancouver Technical FOS or at nearby schools in other FOS to accommodate students from schools that are at high seismic risk in the Vancouver Technical FOS



5.9 CATCHMENT BOUNDARY CONSIDERATIONS

5.9.1 OVERVIEW

- Opportunities exist to make minor catchment boundary adjustments in the Downtown east region to align elementary and secondary boundaries within a single FOS are limited
- To balance enrolment with capacity at Nelson and Maquinna, consider adjusting the Maquinna catchment boundary to include the portion of the Nelson catchment south of 1st Avenue once the seismic upgrade of Maquinna is completed.
- To reduce enrolment at Secord consider adjusting the Maquinna catchment boundary to include adjacent portion(s) of the Secord catchment

5.9.2 CATCHMENT BOUNDARY CONSIDERATIONS

- Many elementary feeder school catchment boundaries are aligned with the secondary school within their FOS
- Where secondary school boundaries do cut across elementary school catchments, there are large sections of the elementary catchment on both sides of the secondary catchment boundary

5.10 SUMMARY

5.10.1 SECONDARY STUDENT ACCOMMODATIONS STRATEGY

- Despite ongoing management of out of catchment Grade 8 enrolment, Britannia and Templeton secondary schools in Downtown east region are challenged by reduced Grade 8 cohort size.
- No changes to current enrolment procedures are required
- The enrolment at Templeton and Britannia secondary schools is below the preferred school size range for secondary schools of 1,200-1,750 students

5.10.2 ELEMENTARY STUDENT ACCOMMODATIONS STRATEGY

- Continue to manage out of catchment enrolment to ensure effective use of staffing in all families of schools
- Continue to restrict or limit out of catchment enrolment at Nelson, Lord, wək' wəh əs tə syaqwəm - Begbie, Hastings and Tillicum Annex elementary schools
- Investigate options to relocate the Interagency Alternative Programs located on the Lord Elementary site to provide additional space for Lord catchment students and any future overflow from Nelson Elementary

5.10.3 BALANCING CAPACITY WITH ENROLMENT

- The Downtown east region is characterized by variable utilization rates of school capacity
- There is surplus capacity at xpey
- Existing and future surplus capacity could be addressed by using one or a combination of the strategies set out in sections 5.8 to 5.10 - Optimizing Utilization of School Assets - found in the District Overview Section of this report.

5.10.4 SEISMIC PROGRAM CONSIDERATIONS

- 41 per cent of secondary school operating capacity in the Downtown east region is seismically safe
- 43 per cent of operating capacity is seismically safe including completed projects and buildings with low seismic risk ratings
- The seismic mitigation project at Maquinna Elementary was completed in 2021
- wək' wəh əs tə syaq'əm - Begbie replacement school is scheduled for occupancy in 2023
- The 2022-23 capital plan submission provides a framework for increasing the seismically safe capacity in the Downtown east region
- Seymour, Grandview - ɬuuqinak'uuh, and Mount Pleasant elementary schools have been prioritized in the 2022-23 capital plan

5.10.5 CATCHMENT BOUNDARY CONSIDERATIONS

- To balance enrolment with capacity at Nelson and Maquinna elementary schools, consider adjusting the Maquinna catchment boundary to include the portion of the Nelson catchment south of 1st Avenue once the seismic upgrade of Maquinna is completed
- To reduce enrolment at Secord Elementary, consider adjusting the Maquinna catchment boundary to include adjacent portion(s) of the Secord catchment