Resident Student Forecast

SY2022/23 to SY2032/33

Workflow for building a forecast for Bellevue SD

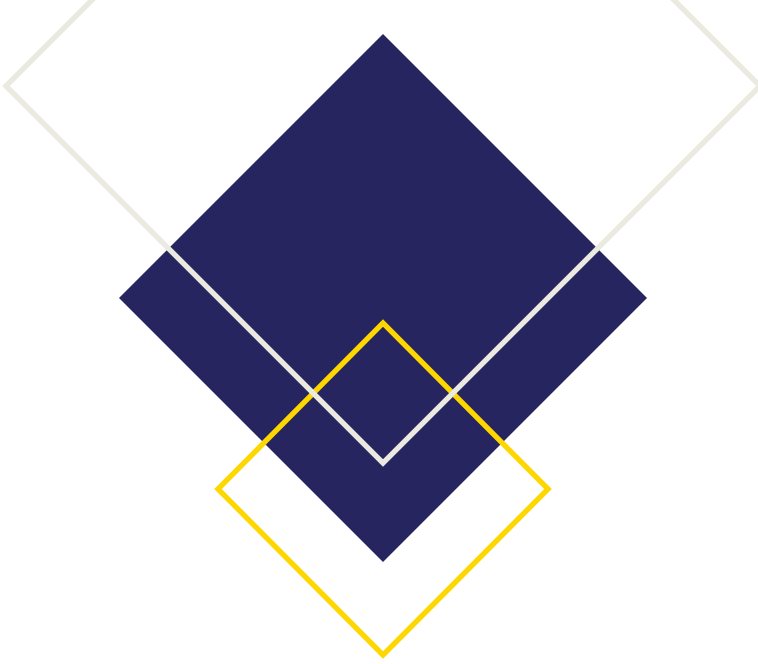**1** Spatial and tabular data setup for District

2 Researched active, proposed, and future residential development projects.

3 Analyzed current and future demographic dynamics of the district and attendance areas.
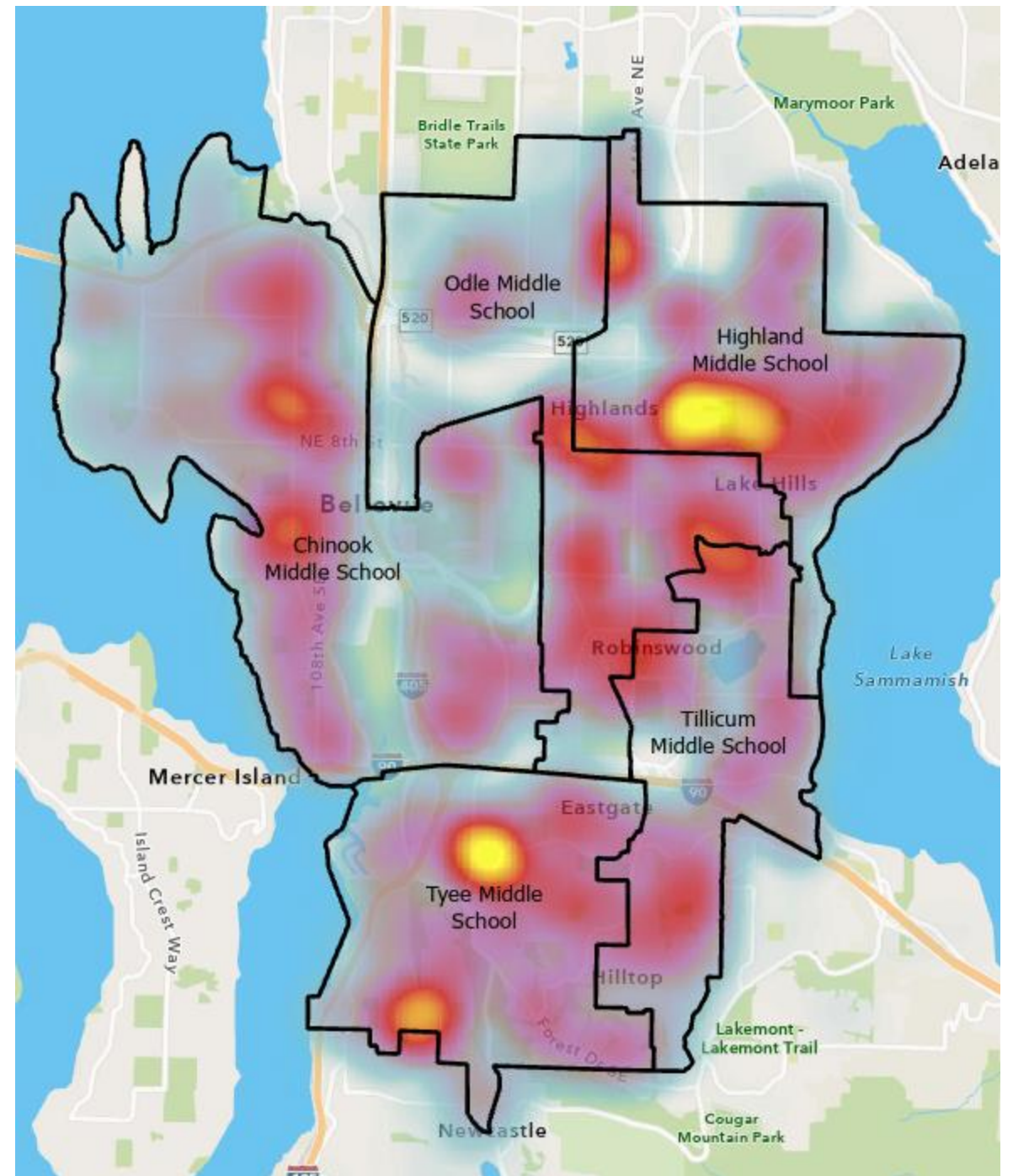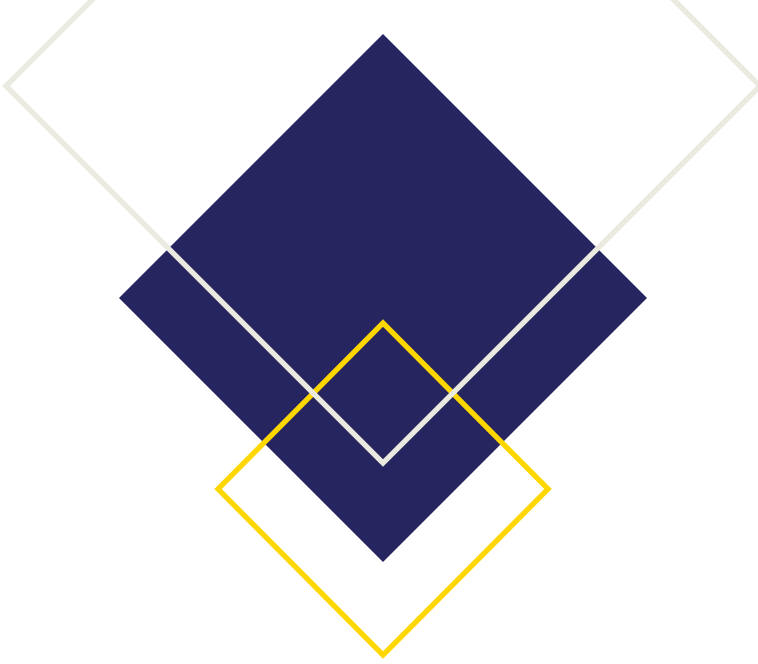
4 Developed population forecasts by grade and attendance area for the next 10 years

Student Density Oct 2022

Yellow areas indicate a higher concentration of student population, while areas shaded blue have fewer students.

Birth Factors

Birth factors can be good predictors of a district's capture rate of the K cohort.

Birth Year	Kinder Year	Births	Birth Rate		
		District Wide	% Change*	Birthrate Used in Forecast	School Year
2014	2019	1,587	103.3%		2019/20
2015	2020	1,542	100.3%		2020/21
2016	2021	1,566	101.9%		2021/22
2017	2022	1,537	Baseline		2022/22
2018	2023	1,470	95.6%	0.956	2023/24
2019	2024	1,482	96.4%	0.964	2024/25
2020	2025	1,345	87.5%	0.875	2025/26
2021	2026	1,354	88.1%	0.881	2026/27
2022	2027	1,343	87.4%	0.874	2027/28
2023	2028	Data not Available at time of Study	90.0%	0.900	2028/29
2024	2029		90.0%	0.900	2029/30
2025	2030		90.0%	0.900	2030/31
2026	2031		90.0%	0.900	2031/32

* % Change refers to the change in total births for each year compared to the base year.

Source: Washington Health Authority
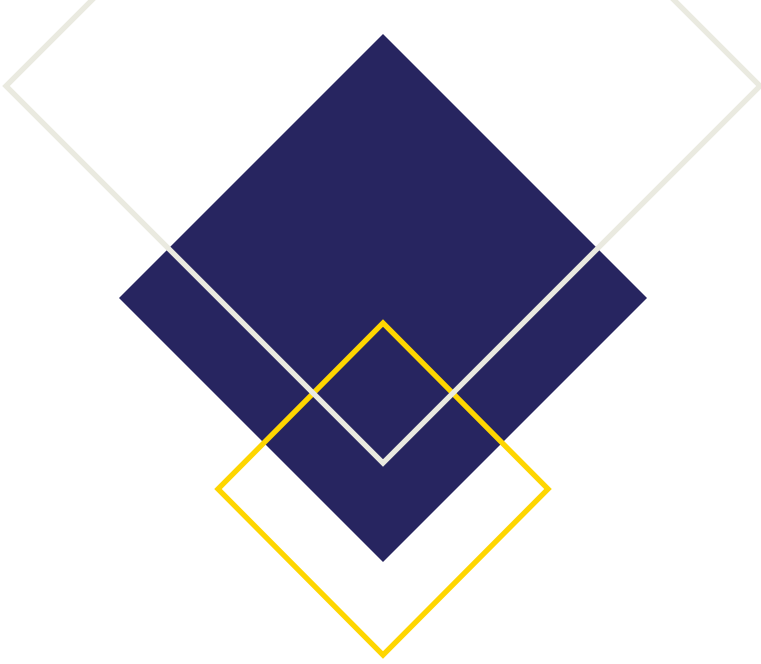
Student Yield Factors
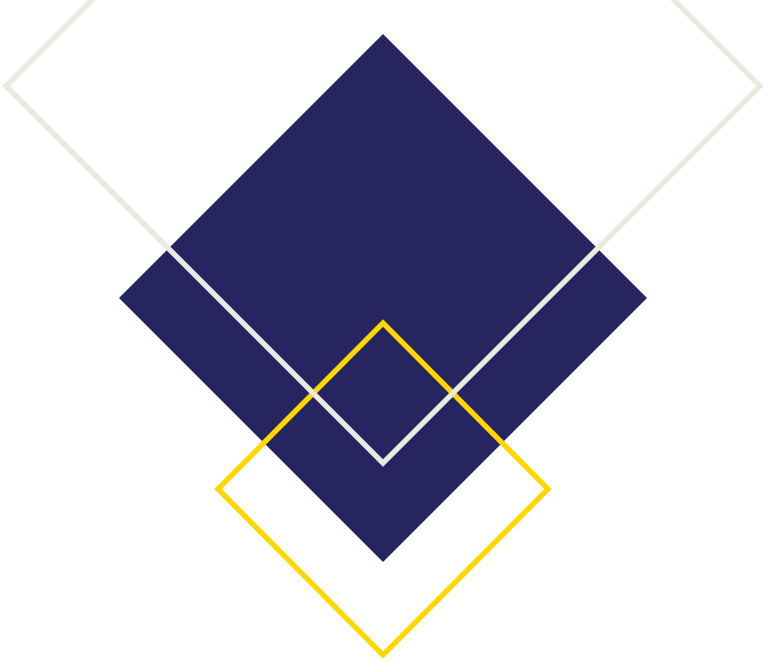
Student Yield Factors (SYF) are determined based on similar housing types in the area.

The SYF are applied to residential developments. Tell how many students to expect from future housing developments.
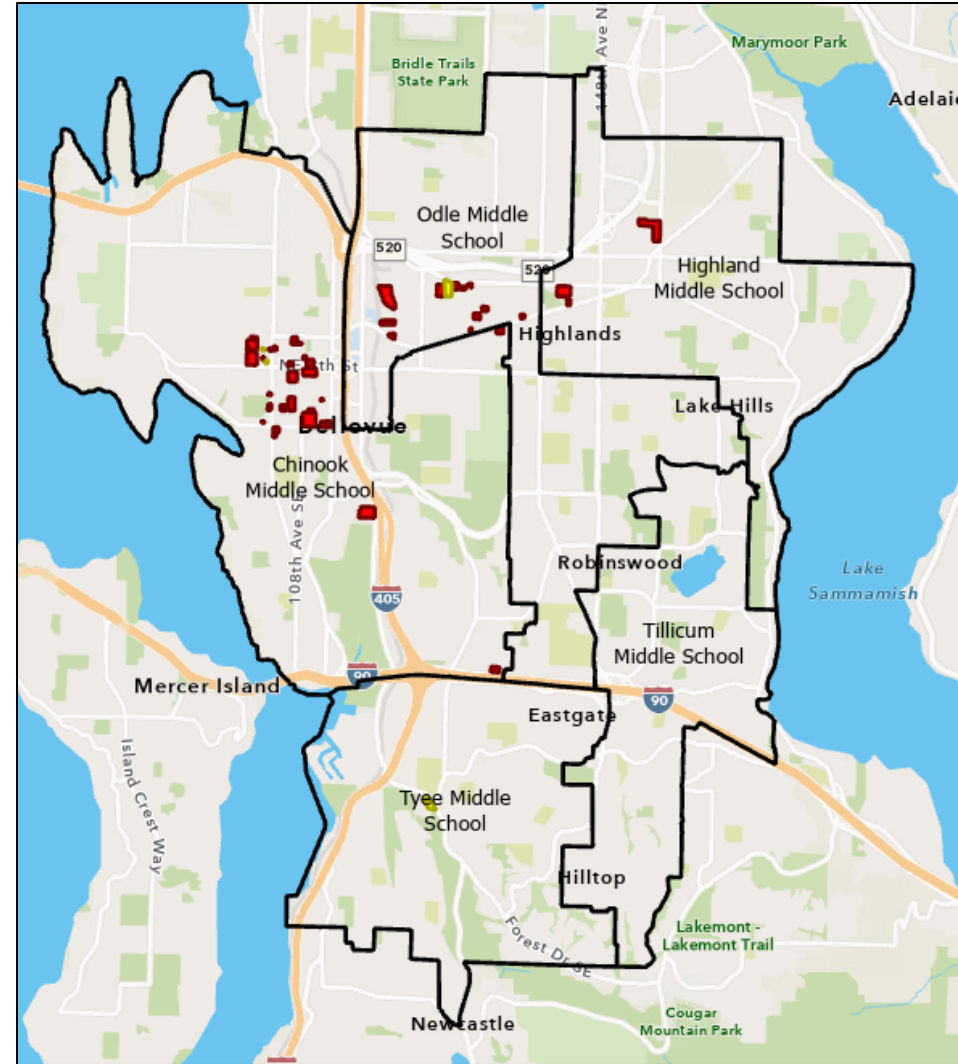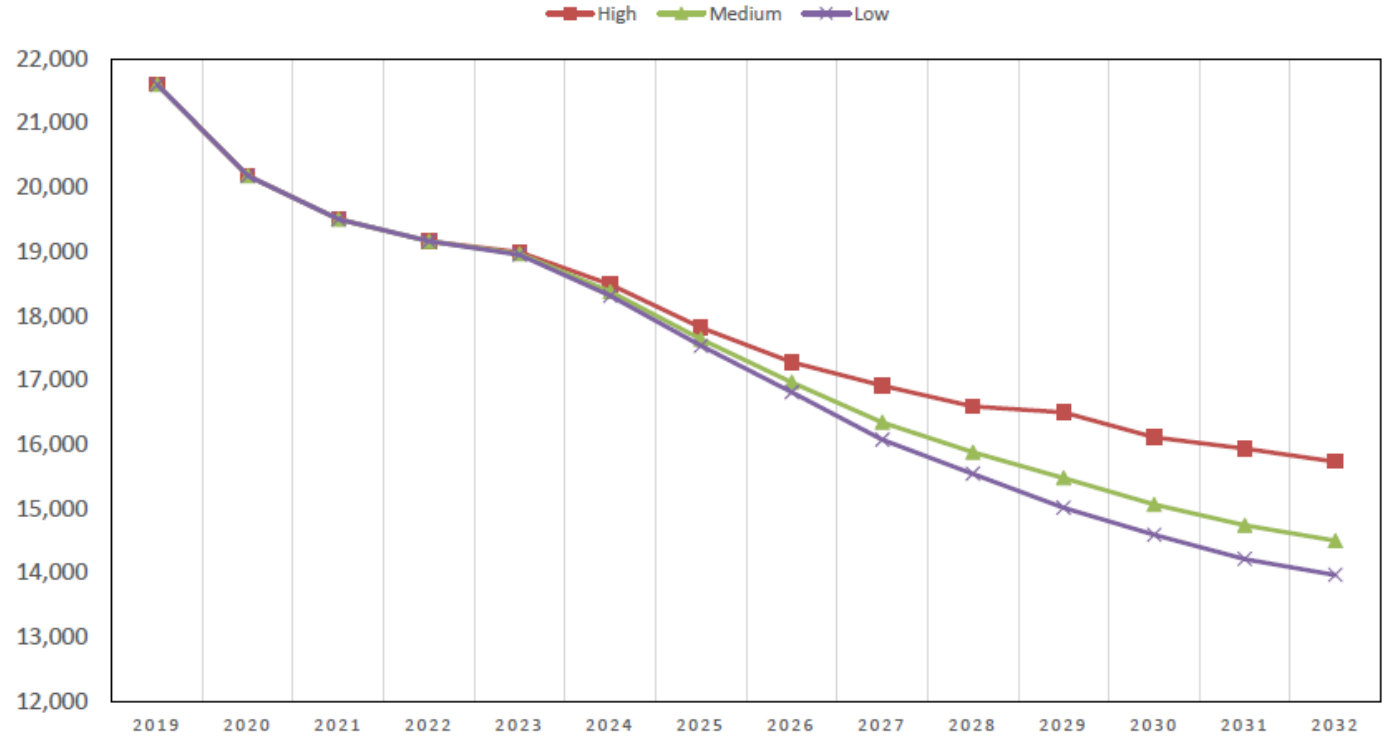

Grade	Apartments 6,428 Units		Multi-Family Attached 3,438 Units	
	Students	Factor	Students	Factor
PK-12	319	0.050	309	0.090

Forecasts:
High, Medium, Low

Developed using different student yield factors for the district.

RESIDENCE FORECAST DISTRICTWIDE

Forecast	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
High	21,601	20,180	19,505	19,160	18,991.4	18,486.3	17,817.1	17,279.8	16,913.2	16,593.3	16,497.2	16,111.1	15,935.4	15,729.9
Medium	21,601	20,180	19,505	19,160	18,964.1	18,377.2	17,634.2	16,967.6	16,343.5	15,878.2	15,478.9	15,062.9	14,741.0	14,501.1
Low	21,601	20,180	19,505	19,160	18,951.2	18,310.6	17,534.8	16,811.6	16,073.7	15,543.3	15,012.9	14,592.7	14,215.3	13,966.3

High forecast uses student yield factors (SYF) published from neighboring school districts (0.14 for future multi-family and apartment housing).
Medium forecast was based on SYFs developed using data from within the district (0.05 for future apartments and 0.09 for future multi-family housing).
Low forecast uses a null value for SYFs.
Forecasts include out of district students.
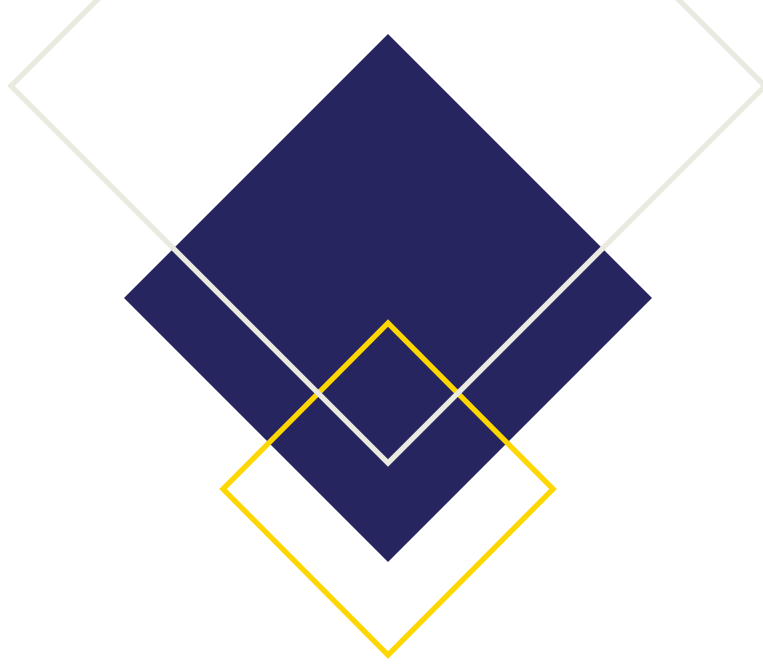
Student Forecast 2022-32 District Summary Report

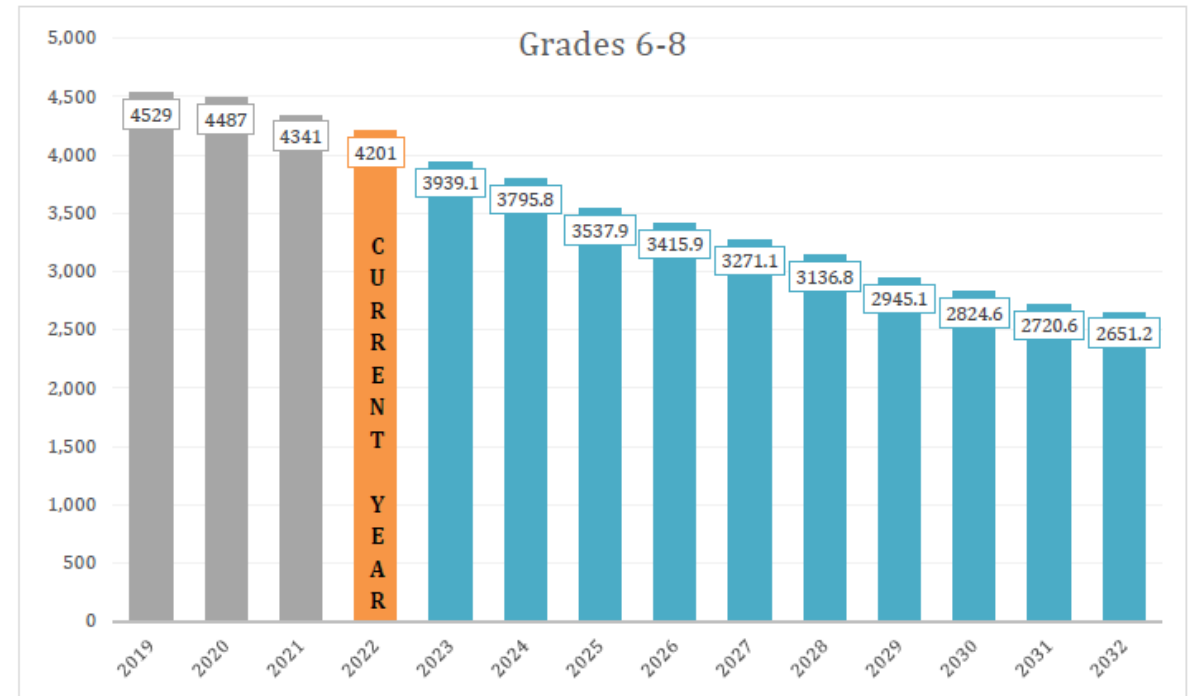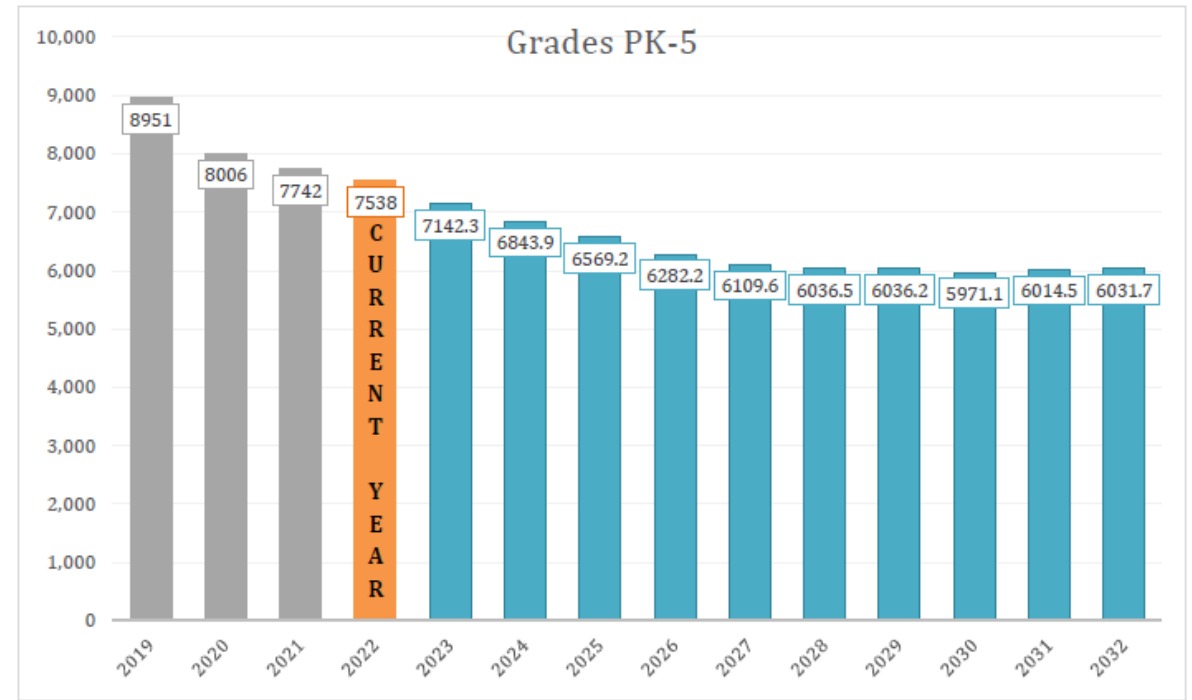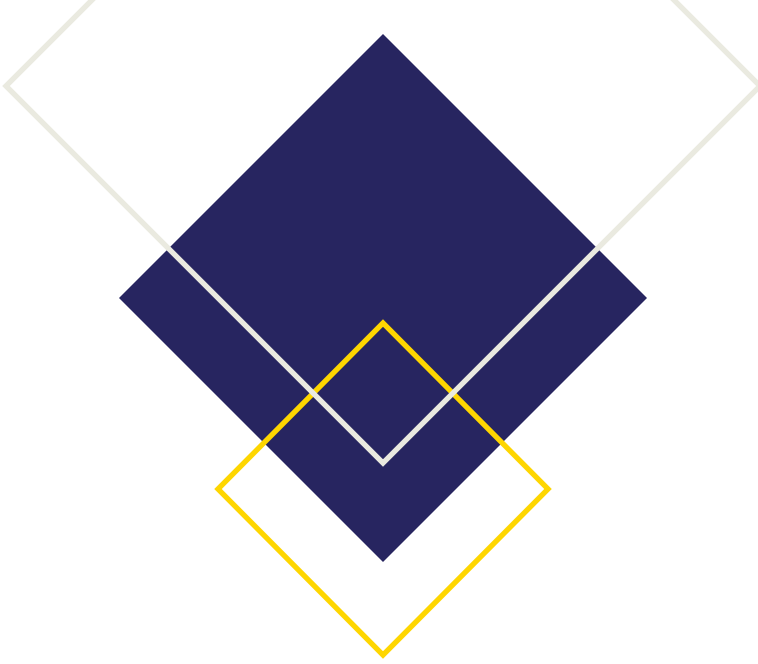| Grade	Historic Resident Counts 2019	2020	2021	Current 2022	Forecasted Resident Counts 2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK	724	258	397	541	541.3	541.3	542.8	543.6	545.0	547.7	549.5	552.9	553.5	555.3
K	1,181	1,135	1,089	985	942.7	954.3	867.5	876.9	877.4	904.5	913.4	910.0	915.4	915.3
1	1,290	1,197	1,183	1,118	1,008.9	968.7	979.1	892.2	906.5	903.2	936.3	935.5	936.4	938.1
2	1,376	1,288	1,165	1,214	1,115.3	1,011.4	969.7	981.9	899.4	909.9	911.7	935.3	938.7	936.2
3	1,451	1,338	1,271	1,159	1,195.3	1,101.3	1,000.4	960.7	976.6	891.1	905.8	898.1	925.3	925.3
4	1,410	1,415	1,284	1,247	1,125.9	1,167.2	1,073.2	978.1	944.0	956.0	878.2	883.1	879.9	902.8
5	1,519	1,375	1,353	1,274	1,212.9	1,099.7	1,136.5	1,048.8	960.7	924.1	941.3	856.2	865.3	858.7
6	1,501	1,514	1,346	1,346	1,257.1	1,203.5	1,088.8	1,129.4	1,046.1	958.8	928.0	935.4	855.3	860.8
7	1,517	1,470	1,524	1,350	1,338.4	1,255.3	1,199.3	1,088.0	1,132.4	1,046.3	965.1	925.4	936.9	853.8
8	1,511	1,503	1,471	1,505	1,343.6	1,337.0	1,249.8	1,198.5	1,092.6	1,131.7	1,052.0	963.8	928.4	936.6
9	1,523	1,547	1,561	1,571	1,572.1	1,404.7	1,395.3	1,304.9	1,258.9	1,145.3	1,187.2	1,096.6	1,011.0	970.6
10	1,615	1,517	1,567	1,633	1,604.0	1,609.0	1,435.1	1,433.1	1,339.7	1,294.3	1,182.7	1,214.1	1,125.7	1,037.2
11	1,528	1,602	1,516	1,612	1,648.7	1,621.7	1,625.4	1,453.6	1,456.6	1,358.1	1,317.7	1,194.9	1,230.8	1,138.8
12	1,546	1,513	1,566	1,526	1,676.1	1,720.3	1,689.5	1,696.1	1,525.8	1,525.4	1,428.2	1,379.8	1,256.6	1,289.8

Resident Student Totals by Grade Configuration

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK-5	8,951	8,006	7,742	7,538	7,142.3	6,843.9	6,569.2	6,282.2	6,109.6	6,036.5	6,036.2	5,971.1	6,014.5	6,031.7
6-8	4,529	4,487	4,341	4,201	3,939.1	3,795.8	3,537.9	3,415.9	3,271.1	3,136.8	2,945.1	2,824.6	2,720.6	2,651.2
9-12	6,212	6,179	6,210	6,342	6,500.9	6,355.7	6,145.3	5,887.7	5,581.0	5,323.1	5,115.8	4,885.4	4,624.1	4,436.4
PK-12	19,692	18,672	18,293	18,081	17,582.3	16,995.4	16,252.4	15,585.8	14,961.7	14,496.4	14,097.1	13,681.1	13,359.2	13,119.3

Unmatched and Out-of-District Students

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK-5	775	596	462	440	568.3	568.3	568.3	568.3	568.3	568.3	568.3	568.3	568.3	568.3
6-8	277	312	249	204	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5	260.5
9-12	576	506	416	358	464.0	464.0	464.0	464.0	464.0	464.0	464.0	464.0	464.0	464.0
PK-12	1,628	1,414	1,127	1,002	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8	1,292.8

Other Students

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK-5	181	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6-8	0	0	0	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9-12	100	94	85	77	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
PK-12	281	94	85	77	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0

Total Students

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK-5	9,907	8,602	8,204	7,978	7,710.6	7,412.2	7,137.5	6,850.5	6,677.9	6,604.8	6,604.5	6,539.4	6,582.8	6,600.0
6-8	4,806	4,799	4,590	4,405	4,199.6	4,056.3	3,798.4	3,676.4	3,531.6	3,397.3	3,205.6	3,085.1	2,981.1	2,911.7
9-12	6,888	6,779	6,711	6,777	7,053.9	6,908.7	6,698.3	6,440.7	6,134.0	5,876.1	5,668.8	5,438.4	5,177.1	4,989.4
PK-12	21,601	20,180	19,505	19,160	18,964.1	18,377.2	17,634.2	16,967.6	16,343.5	15,878.2	15,478.9	15,062.9	14,741.0	14,501.1

Annual Change

	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
PK-5 Difference	-1,305	-398	-226	-267.5	-298.4	-274.7	-287.0	-172.6	-73.1	-0.3	-65.1	43.4	17.2	
6-8 Difference	-7	-209	-185	-205.4	-143.3	-257.9	-122.0	-144.8	-134.3	-191.7	-120.5	-104.0	-69.4	
9-12 Difference	-109	-68	66	276.9	-145.2	-210.4	-257.6	-306.7	-257.9	-207.3	-230.4	-261.3	-187.7	
PK-12 Difference	-1,421	-675	-345	-196.0	-586.9	-743.0	-666.6	-624.1	-465.3	-399.3	-416.0	-321.9	-239.9	
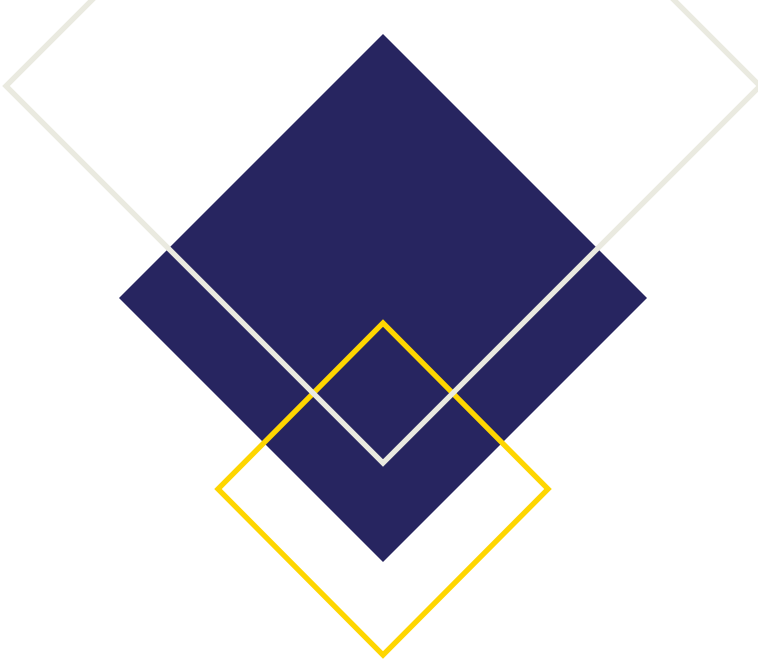
Student Forecast 2022-32 District Summary Report:

Elementary and Middle School Grades

Grades PK-5

Year	Value
2019	8951
2020	8006
2021	7742
2022 (CURRENT YEAR)	7538
2023	7142.3
2024	6843.9
2025	6569.2
2026	6282.2
2027	6109.6
2028	6036.5
2029	6036.2
2030	5971.1
2031	6014.5
2032	6031.7

Grades 6-8

Year	Value
2019	4529
2020	4487
2021	4341
2022 (CURRENT YEAR)	4201
2023	3939.1
2024	3795.8
2025	3537.9
2026	3415.9
2027	3271.1
2028	3136.8
2029	2945.1
2030	2824.6
2031	2720.6
2032	2651.2

Student Forecast 2022-32 District Summary Report:

High School and All Grades
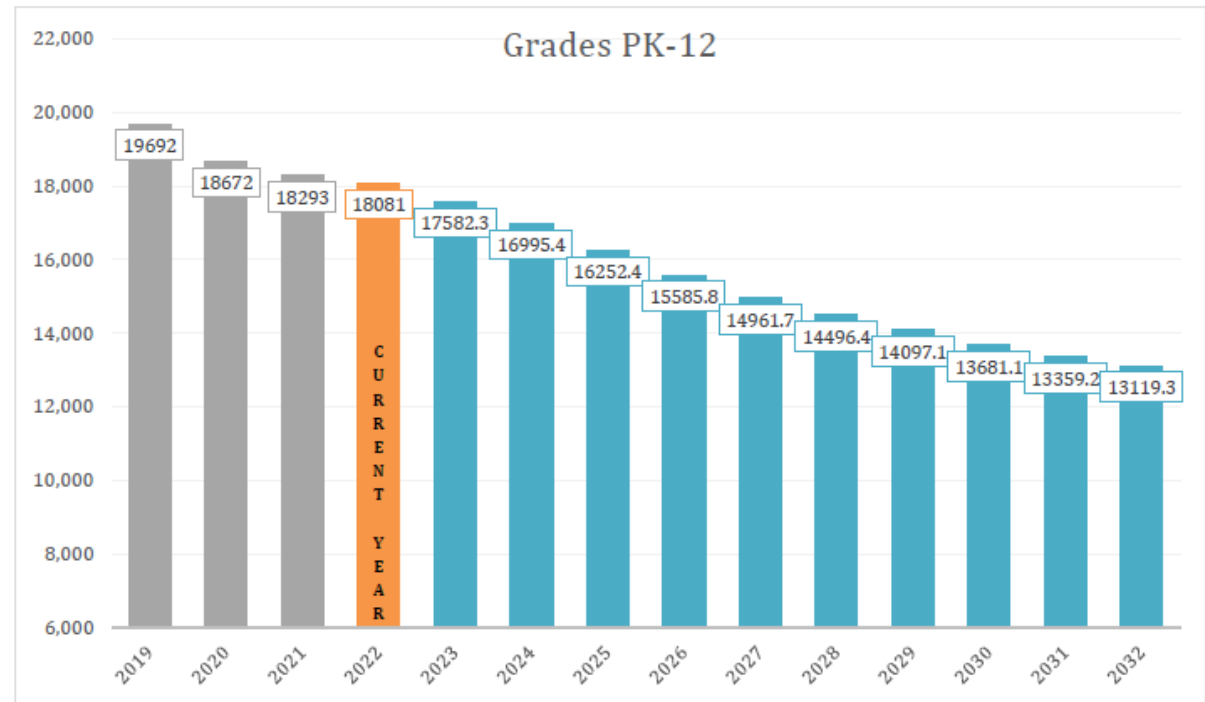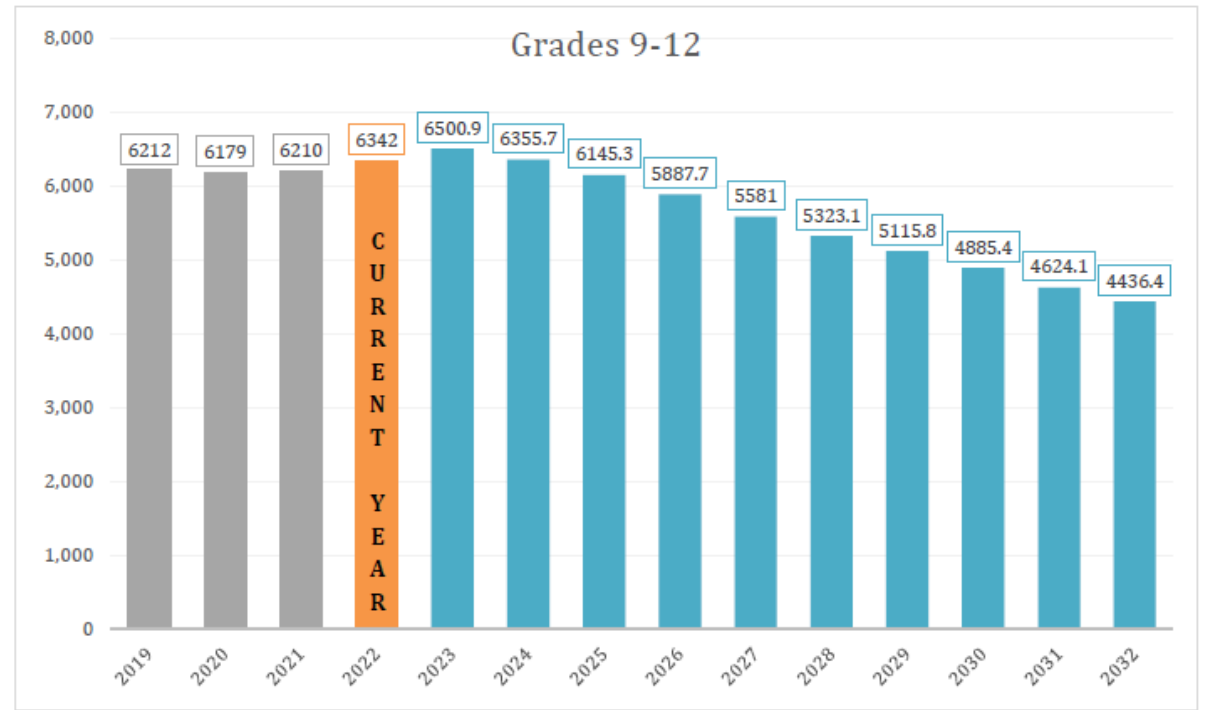
Utilization Rates – Middle Schools

Enrollment Based (Based off Historical Transfer Rates)

School	Estimated In	Estimated Out	Capacity	23/24	23/24 Utilization	26/27	26/27 Utilization	30/31	30/31 Utilization
Chinook MS	69	-405	1118	733.3	66%	605.1	54%	358.8	32%
Highland MS	151	-353	1261	558.3	44%	443.7	35%	371.3	29%
Odle MS	461	-280	1145	869.7	76%	819.6	72%	732.1	64%
Tillicum MS	288	-211	1285	666.7	52%	548	43%	429.8	33%
Tyee MS	113	-171	1053	773.1	73%	661.6	63%	594.6	56%