

Westport Public Schools

Enrollment Projections

December 7, 2020



Enrollment Projection Update



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Enrollment Projections

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Impact of Pandemic

State Department of Education released an *Analysis of Preliminary Public School Enrollment* in November 2020. **Key statewide trends include:**

- **The greatest declines are seen in the earliest grades, which suggests that parents are choosing to delay the start of public schooling for their youngest children** due to the COVID-19 pandemic
- **Pre-K Enrollment declined by 20%** with the greatest decrease in Alliance Districts
- **Kindergarten enrollment fell by nearly 12%** since the 2019-20 school year
 - There was not a corresponding drop in births that explains this decrease. Much of this decline is surmised to be due to delayed entry
 - Only 34 districts saw a year-over-year increase in kindergarten enrollment
- Grades 1 through 7 all saw net out-migration. These grades typically see net in-migration
- **There is a six-fold increase in the number of students who are homeschooled** which has contributed to the net out-migration trend seen this year
- **There was about 20% drop in the number of new students enrolling in Connecticut Public Schools** indicating that fewer new students enrolled this year compared to recent years



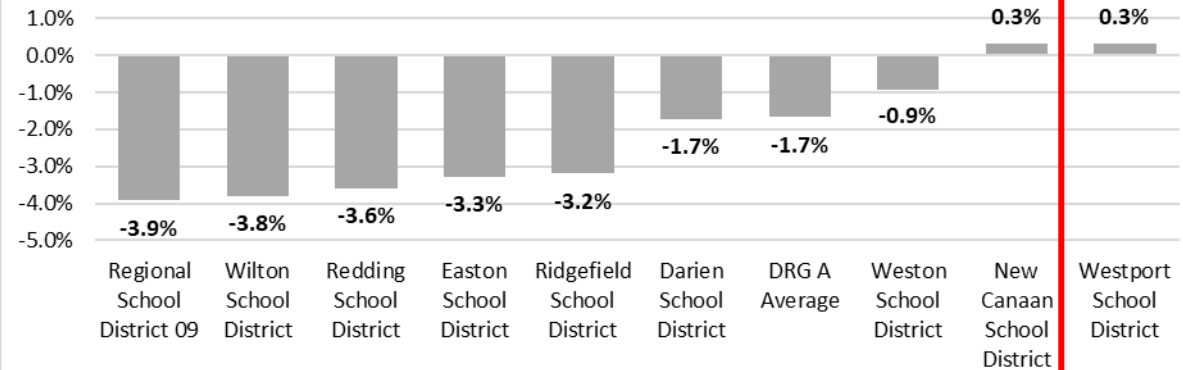
Impact of Pandemic

DRG A Trends:

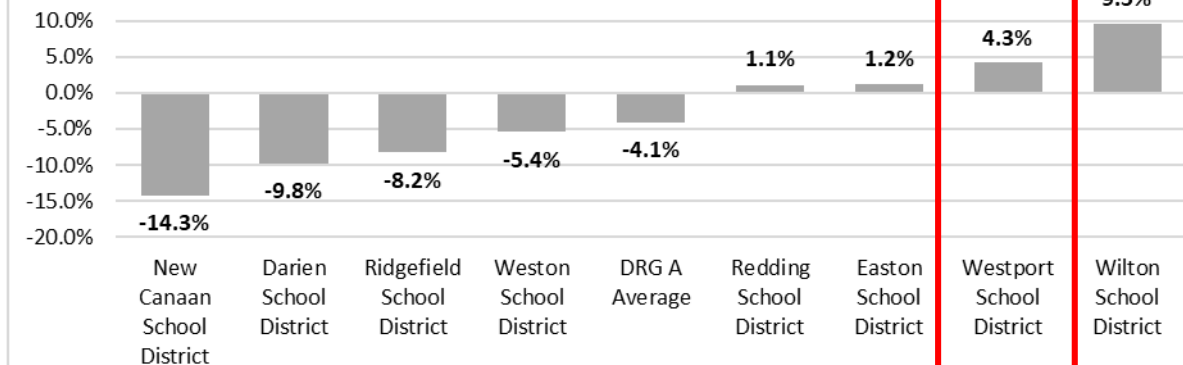
- Overall, PK-12 enrollment in DRG A districts decreased at about half of the rate observed statewide
- **Westport saw year-over-year PK-12 enrollment grow slightly**, one of only 29 districts statewide to do so
- Half of DRG A schools saw larger Kindergarten classes this year compared to last year. **Westport saw the second highest growth behind Wilton**
- Strong regional housing market and New York City out-migration has resulted in greater levels of in-migration into suburban Fairfield County districts



Total (PK-12) Enrollment Change in DRG A Schools: 2019-20 to 2020-21



Kindergarten Enrollment Change in DRG A Schools: 2019-20 to 2020-21



Source: CT State Department of Education. Preliminary enrollment data subject to change. May differ from district-reported enrollment

Projections Comparison

High Comparison	K	1	2	3	4	5	6	7	8	9	10	11	12	K to 5	6 to 8	9 to 12	Total
2020-21 Actual	340	359	381	401	360	411	376	410	422	432	443	457	470	2,252	1,208	1,802	5,262
2020-21 Projected (High)	348	347	368	381	349	406	363	422	417	436	450	455	477	2,199	1,202	1,818	5,219
Deviation	(8)	12	13	20	11	5	13	(12)	5	(4)	(7)	2	(7)	53	6	(16)	43
% Diff.	-2.3%	3.5%	3.5%	5.2%	3.2%	1.2%	3.6%	-2.8%	1.2%	-0.9%	-1.6%	0.4%	-1.5%	2.4%	0.5%	-0.9%	0.8%

Medium Comparison	K	1	2	3	4	5	6	7	8	9	10	11	12	K to 5	6 to 8	9 to 12	Total
2020-21 Actual	340	359	381	401	360	411	376	410	422	432	443	457	470	2,252	1,208	1,802	5,262
2020-21 Projected (Med)	332	345	369	381	350	406	364	422	416	437	450	454	477	2,183	1,202	1,818	5,203
Deviation	8	14	12	20	10	5	12	(12)	6	(5)	(7)	3	(7)	69	6	(16)	59
% Diff.	2.4%	4.1%	3.3%	5.2%	2.9%	1.2%	3.3%	-2.8%	1.4%	-1.1%	-1.6%	0.7%	-1.5%	3.2%	0.5%	-0.9%	1.1%

Low Comparison	K	1	2	3	4	5	6	7	8	9	10	11	12	K to 5	6 to 8	9 to 12	Total
2020-21 Actual	340	359	381	401	360	411	376	410	422	432	443	457	470	2,252	1,208	1,802	5,262
2020-21 Projected (Low)	315	342	369	381	351	406	364	422	415	438	449	453	476	2,164	1,201	1,816	5,181
Deviation	25	17	12	20	9	5	12	(12)	7	(6)	(6)	4	(6)	88	7	(14)	81
% Diff.	7.9%	5.0%	3.3%	5.2%	2.6%	1.2%	3.3%	-2.8%	1.7%	-1.4%	-1.3%	0.9%	-1.3%	4.1%	0.6%	-0.8%	1.6%

Source: Westport Public Schools. 2020-21 Actual Enrollment excludes students who attend non-WPS programs

- Actual 2020-21 enrollment is 59 students or 1.1% higher than the recommended medium model
- Greatest deviation in the lower elementary grades, which saw much higher levels of in-migration
- Actual 2020-21 enrollment exceeds all three projections models
 - K-12 enrollment deviated from projections by between 0.8% (High) to 1.6% (low)
 - K-5 enrollment deviated from projections by between 2.4% (High) to 4.1% (low)
- Actual 2020-21 K-12 enrollment is still trending slightly below 2018-19 projections, except at the elementary school level, which is trending slightly higher
 - Projections were revised downwards in 2019-20 due to anomalously low levels of in-migration



Projections Comparison by Elementary

School	Enroll	K	1	2	3	4	5	K-5
Coleytown	Actual	70	73	79	74	61	67	424
	Projected	57	76	74	73	59	69	408
	Difference	13	(3)	5	1	2	(2)	16
Green's Farms	Actual	72	67	68	69	69	73	418
	Projected	56	64	62	63	66	70	381
	Difference	16	3	6	6	3	3	37
King's Highway	Actual	66	73	76	74	82	80	451
	Projected	73	72	78	61	77	80	441
	Difference	(7)	1	(2)	13	5	0	10
Long Lots	Actual	80	82	85	112	81	114	554
	Projected	79	76	80	111	81	109	536
	Difference	1	6	5	1	0	5	18
Saugatuck	Actual	52	64	73	72	67	77	405
	Projected	67	57	75	73	67	78	417
	Difference	(15)	7	(2)	(1)	0	(1)	(12)
Total All Schools	Actual	340	359	381	401	360	411	2,252
	Projected	332	345	369	381	350	406	2,183
	Difference	8	14	12	20	10	5	69
% Difference		2.4%	4.1%	3.3%	5.2%	2.9%	1.2%	3.2%

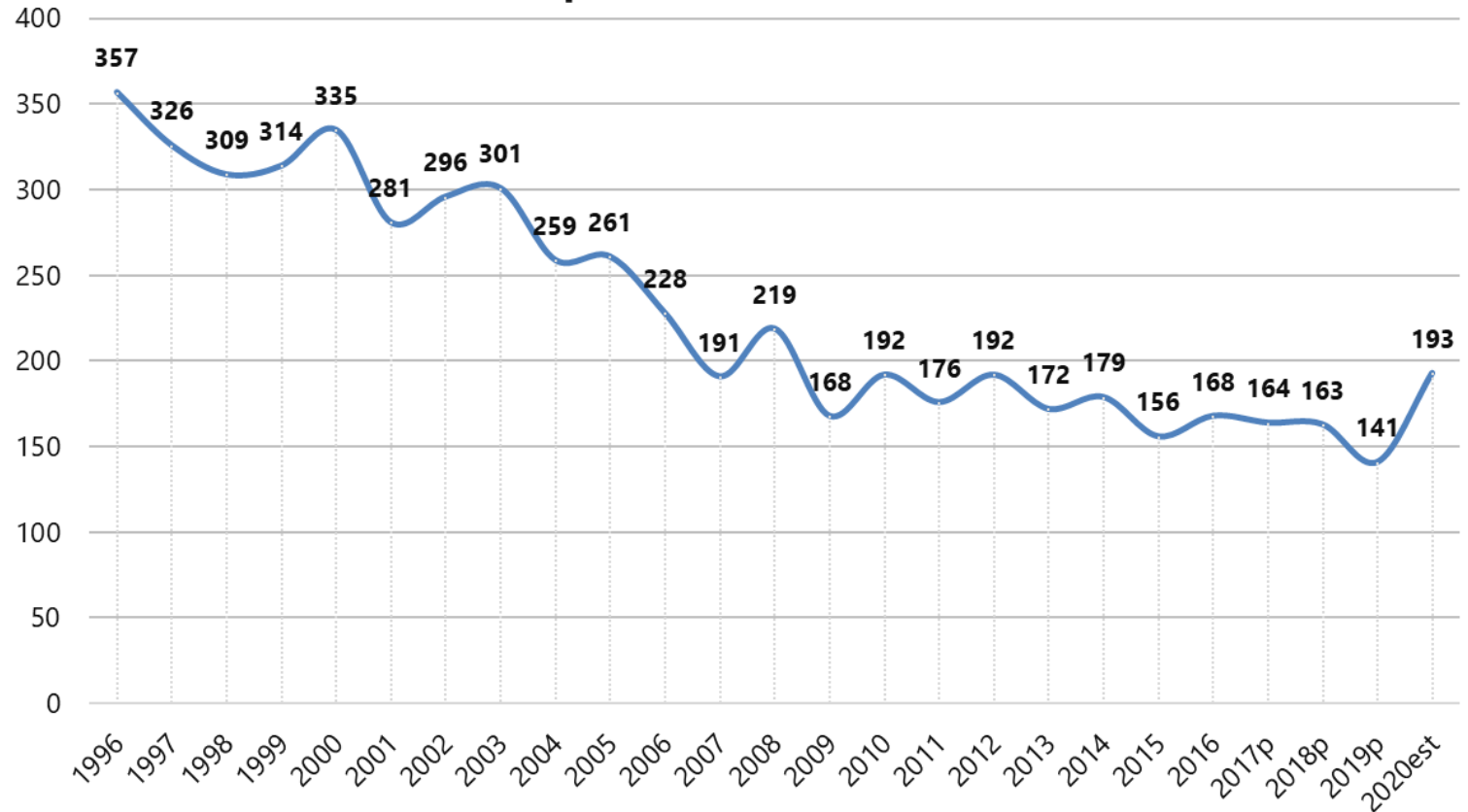
- Greens Farms was 37 students higher than forecasted – driven by larger kindergarten class and high levels of in-migration
- Coleytown, Long Lots, and Kings Highway also exceeded projections
 - Higher levels of in-migration across all schools and larger kindergarten class at Coleytown
- Saugatuck enrollment was lower than projected due to small kindergarten class
- Only a nominal number of elementary students withdrew to homeschool this year



Births

- Year-to-date births through June are highest since 2012. On pace for an estimated 193 births for the full year
- This year's abnormally large birth cohort follows an abnormally small cohort last year
- Since 2013, district has averaged just under 170 births annually

Westport Births, 1996 - 2020



Source: CT Dept. of Public Health (2020). *Birth records for 2017, 2018 and 2019 preliminary. 2017-2020 is estimated and adjusted for out of state births based on historic averages. Data for 2020 is estimated based on January to June YTD



Birth Projections

- Births typically correlate well with measures of local unemployment and housing market activity from the recent past
- Developed multiple regression model to predict future births based on current and lagged sales and local unemployment rate for high, medium, and low-growth scenarios
- Good model fit ($R^2 = 0.991$) and significance ($F < 0.001$)

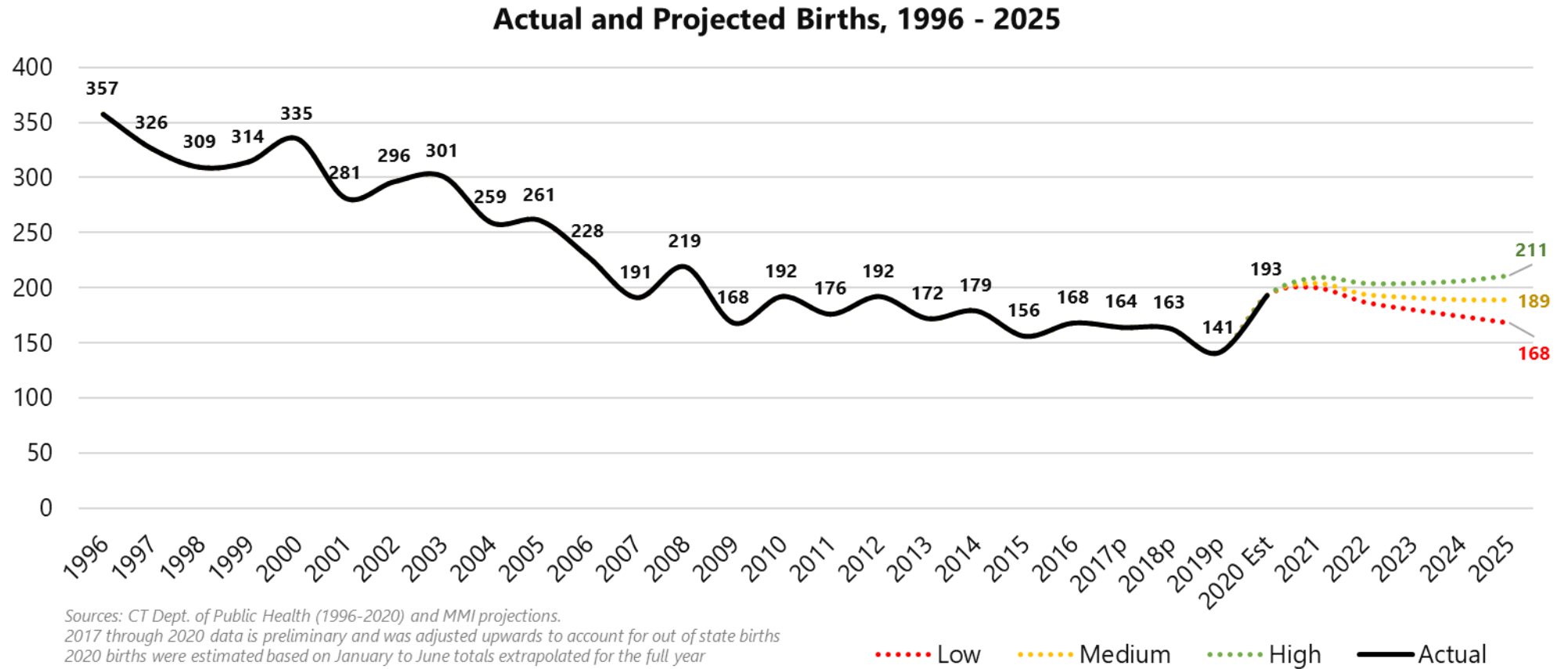
Regression Equation:

$$\text{Births}_Y = (UE_Y * 2.88) + (UE_{Y-2} * -4.48) + (\text{Sales}_Y * 0.14) + (\text{Sales}_{Y-2} * -0.03) + (\text{Births}_{Y-1} * 0.76)$$

Scenario	Low	Medium	High
<i>Local Unemployment</i>	5% - 5.2%	3.5% - 4.9%	2.5% - 4.7%
<i>Home Sales</i>	400 - 425	460 - 480	500 - 550
<i>Births</i>	168 - 200	189 - 204	204 - 211



Birth Projections



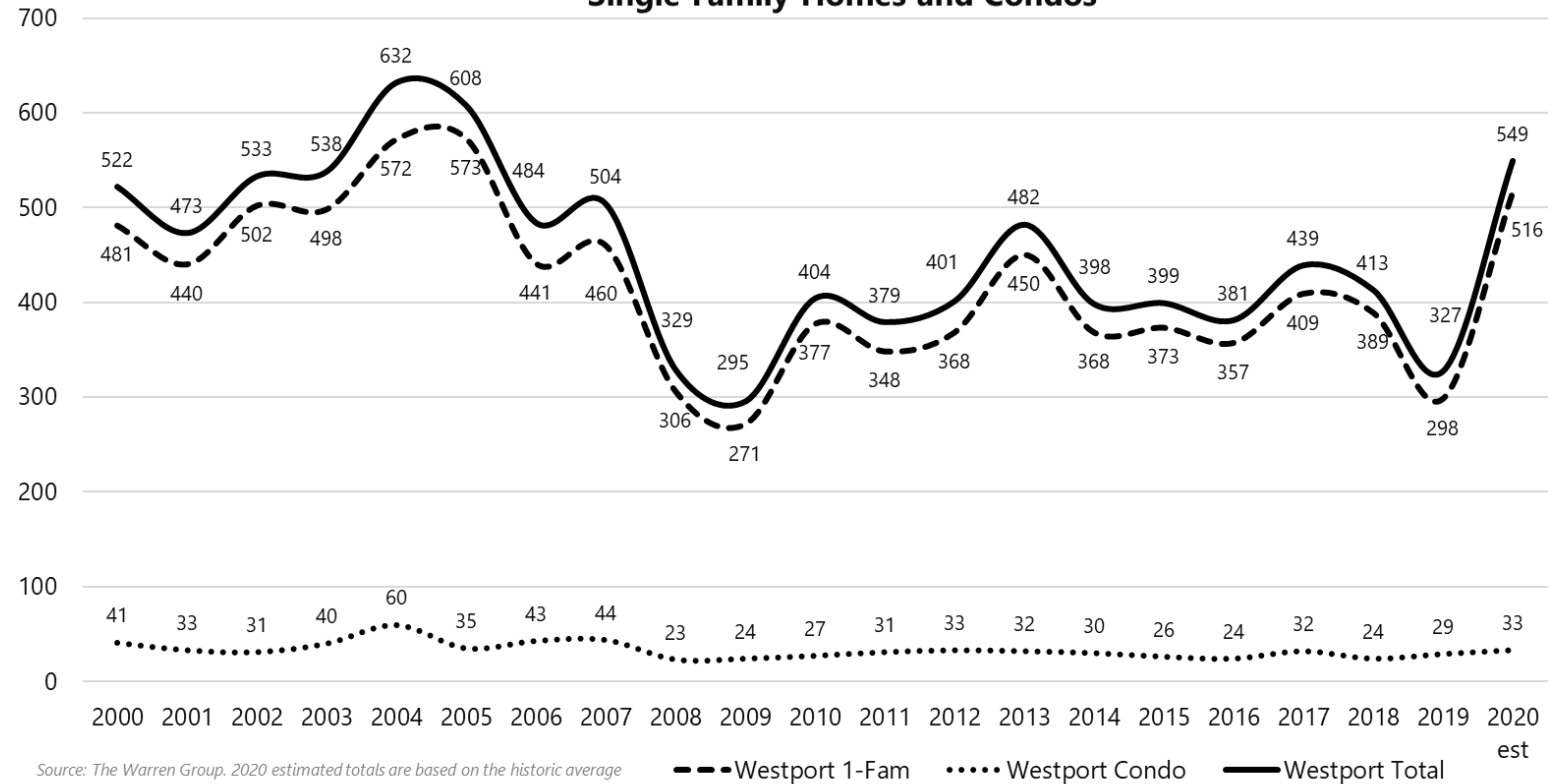
- The medium and high birth regression models project births remaining at elevated levels through 2025
- The low birth regression model projects births returning to levels seen from 2013 to 2018



Housing Market

- Year-to-date sales for 2020 are on pace to be the highest in recent memory at 549 for the full year, driven by single-family sales
- Large rebound in sales in 2020 follows very low sale year in 2019
- Evidence of outbound migration from New York City and a release of pent-up demand has resulted in a strong regional housing market

Westport Housing Sales, 2000-2020 est.
Single Family Homes and Condos



Source: The Warren Group. 2020 estimated totals are based on the historic average of Jan-Aug sales

--- Westport 1-Fam Westport Condo — Westport Total

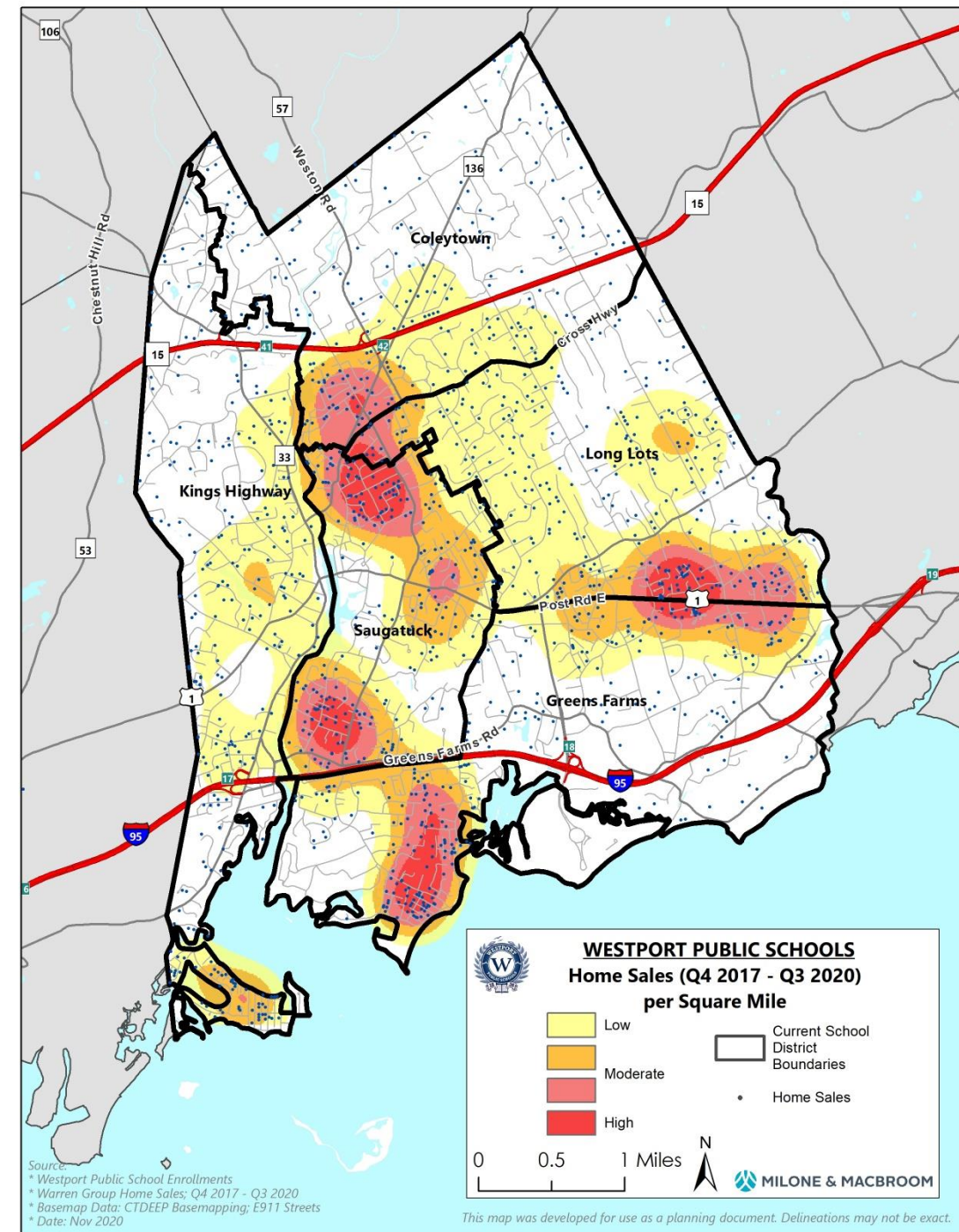


Home Sales

- The greatest density of recent home sales are located near Compo Cove, Route 1, and the neighborhoods around Compo Rd and Main St
- Historically, Long Lots and Greens Farms have the highest share of sales while Coleytown and Saugatuck have the lowest share of sales

Share of Home Sales, by Elementary District

School	2016	2017	2018	2019	2020 YTD	5-Year Avg
Coleytown	14.0%	15.2%	16.4%	16.8%	16.5%	15.8%
Greens Farms	24.1%	18.4%	21.4%	22.2%	22.5%	21.6%
Kings Highway	17.8%	21.1%	19.1%	23.6%	18.2%	19.9%
Long Lots	22.3%	27.3%	21.2%	22.2%	23.6%	23.5%
Saugatuck	21.8%	18.0%	21.9%	15.1%	19.3%	19.3%



Housing Market

Comparison of Median Single-Family Home Sale Prices: 2008 and 2020



Source: The Warren Group, 2020est (Jan-Aug)

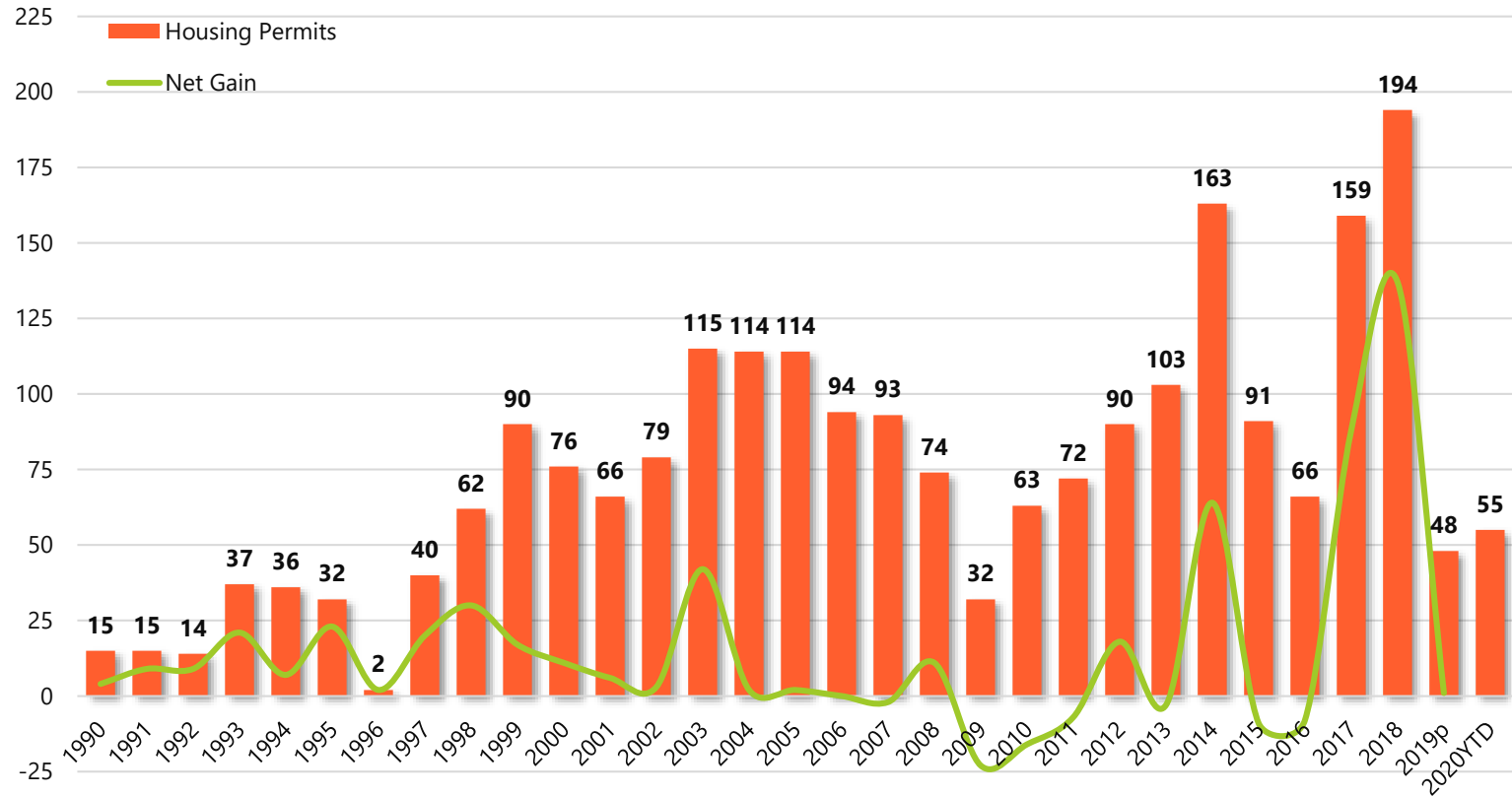
- 2020 YTD median single-family sale price has increased to \$1,250,000
- First year where median single-family sale price has surpassed peak sale prices from 2008
- Strong growth in the number of sales over \$1 million in 2020 both locally and regionally



Housing Trends

- Teardown/rebuilds predominate in a largely built-out community: since 2008, Westport has had near-zero or negative net growth in housing stock for all but four years
- Sizable net gains in 2017 and 2018 tied to new multi-family construction
- Year-to-date permits for 2020 are on pace for 55, a similar level as seen last year

Housing Permits 1990-2020 YTD



Source: DECD, 2020. 2020 YTD permits are through October. Demolition data is not available for 2020



Recent and Approved Housing

Address	Status	Total Units	Affordable Units	Approval Date
793 Post Road East	Constructed	28	6	3/15/2018
33 Elm Street	Constructed	4	1	3/15/2018
500 Main Street (Daybreak)	Constructed	9	0	6/14/2018
201 Main Street (Belden Place)	Constructed	14	3	4/23/2020
1480 Post Road East	Permitted	32	7	11/27/2019
41 Richmodville Avenue	Permitted	33	7	6/25/2020
553, 570 & 580 Riverside Ave/9 Ketchum St	Approved	17	3	10/17/2019
260 Riverside Avenue	Approved	9	2	10/8/2020
122 Wilton Road	Approved	19	6	10/22/2020
Post Road West/Lincoln Street/Cross Street	In Litigation	81	25	-
Hiawatha Lane	In Litigation	187	57	-

Source: Town of Westport Planning Department, November 2020

- Several small to moderate sized multi-family projects have been recently constructed, or are permitted/approved
 - Most have affordable component
- Two larger multi-family projects are currently in litigation



Recent and Approved Housing

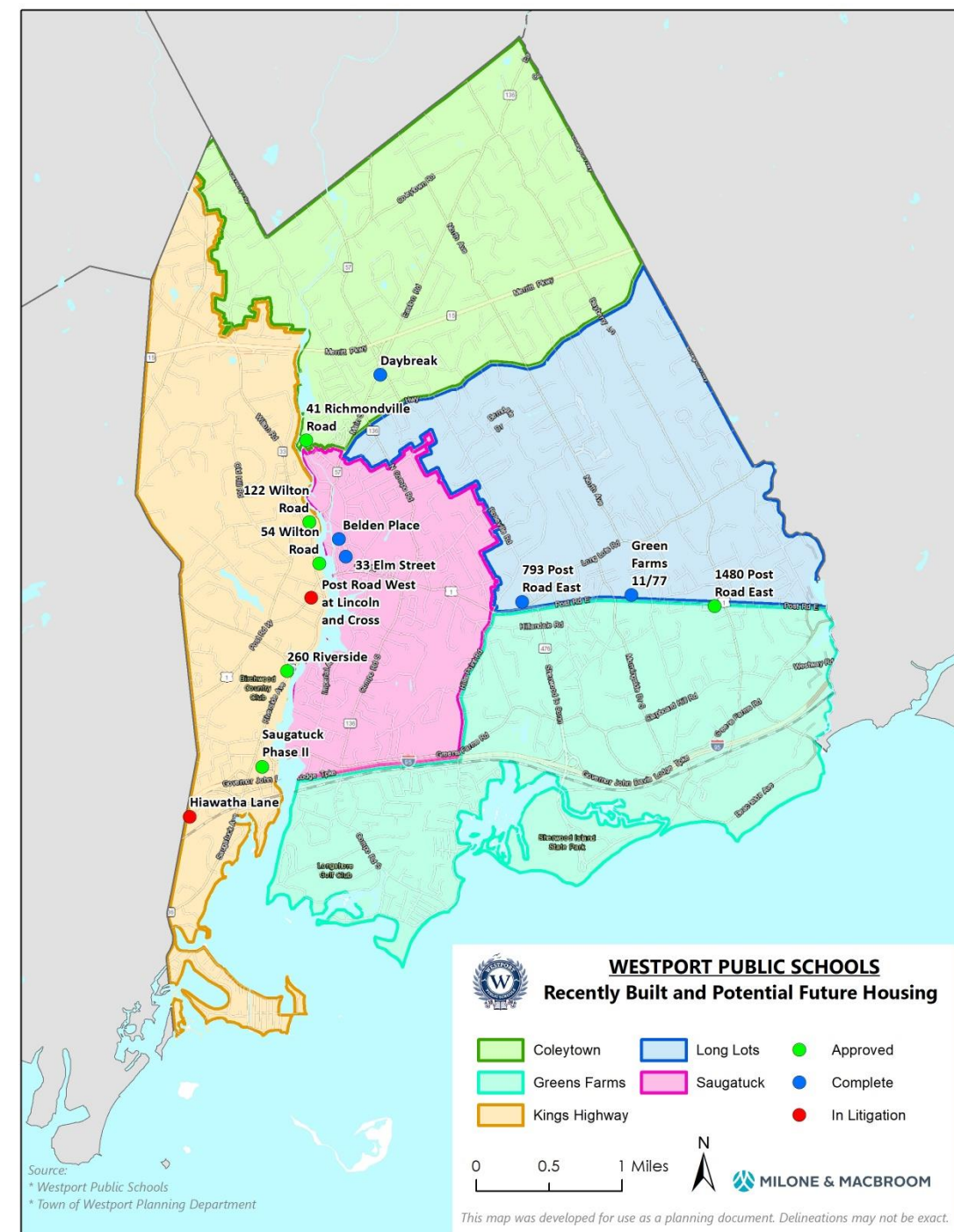
- Recent and approved housing is concentrated in Downtown Westport and the Post Road/Route 1 Corridor
- Student generation from future housing was estimated by examining enrollments in other condominium and apartment developments in Westport

Apartment Comps

Hales Court
Hidden Brook/Sasco Creek
Greens Farms 11/77

Condo Comps

Harvest Commons
Regents Park
Terra Nova Cir
793 Post Road East



Estimated Student Generation

Estimated Students Generated from Approved Housing Developments

Address	Status	Total Units	Estimated Student Generation			
			Elementary	Middle	High	Total
1480 Post Road East	Permitted	32	3	1	2	6
41 Richmodville Avenue	Permitted	33	3	1	2	6
553, 570 & 580 Riverside Ave/9 Ketchum St	Approved	17	1	1	1	3
260 Riverside Avenue	Approved	9	1	0	1	2
122 Wilton Road	Approved	19	2	1	1	4
Multipliers (Students per Unit)			0.081	0.034	0.063	0.178

Source: Town of Westport Planning Department, November 2020

Multipliers and student generation developed by MMI based on comparable apartment and condo properties in Westport

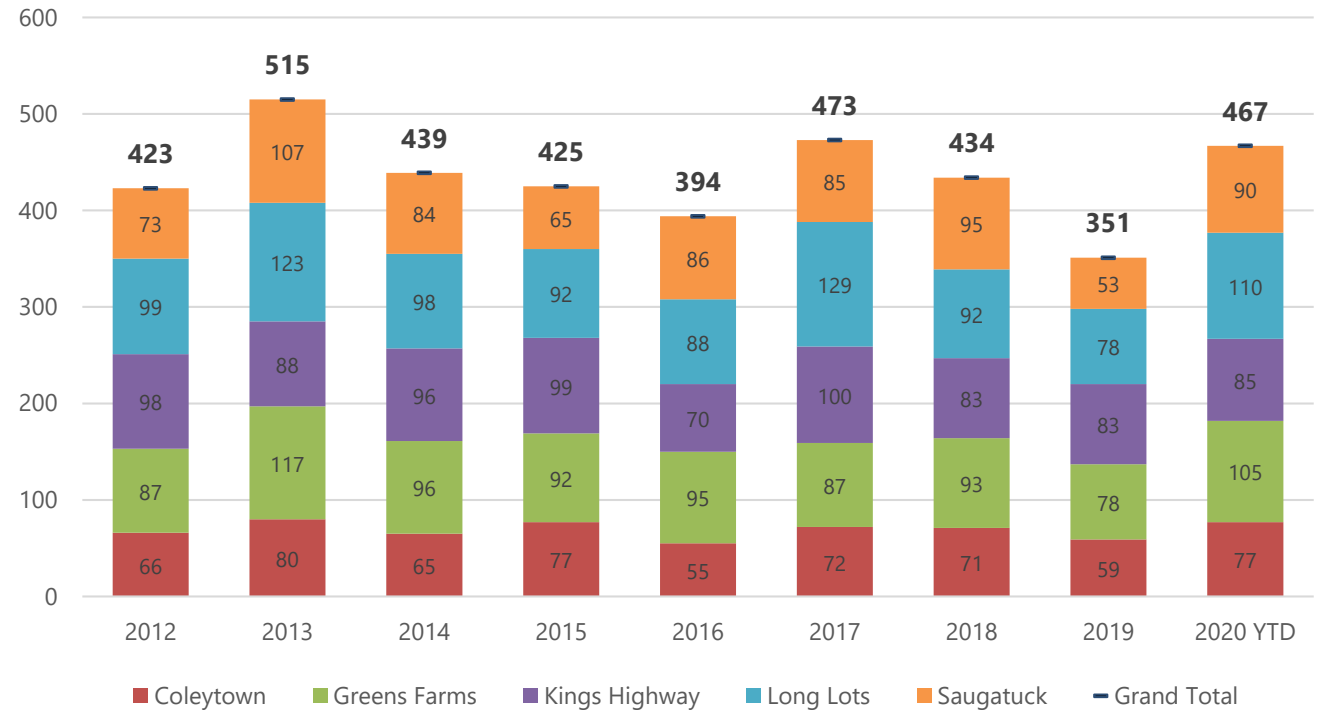
- Students generated from all approved/permitted housing developments are accounted for in the baseline projections
 - At full build-out, these developments are estimated to add 19 students to WPS
- Should the developments currently in litigation move forward, enrollment multipliers may need to be evaluated and added to the projections in future years
 - MMI developed enrollment estimates for the Hiawatha Development in February 2019, which can be used should that project move forward



Housing Market

- Anomalously low sales year for 2019
- Year-to-date home sales through August already exceed full year 2019 sales by 116 or 33%
- Overall, sales increased across each elementary school district in 2020
- Greatest increase in Saugatuck, Long Lots, and Greens Farms

Westport Home Sales by Elementary District
2012 to 2020YTD



Source: Warren Group, 2020 is Jan-Aug not estimated. Note: By-District home sales totals differ slightly from town-wide totals due to differences in reporting methodology

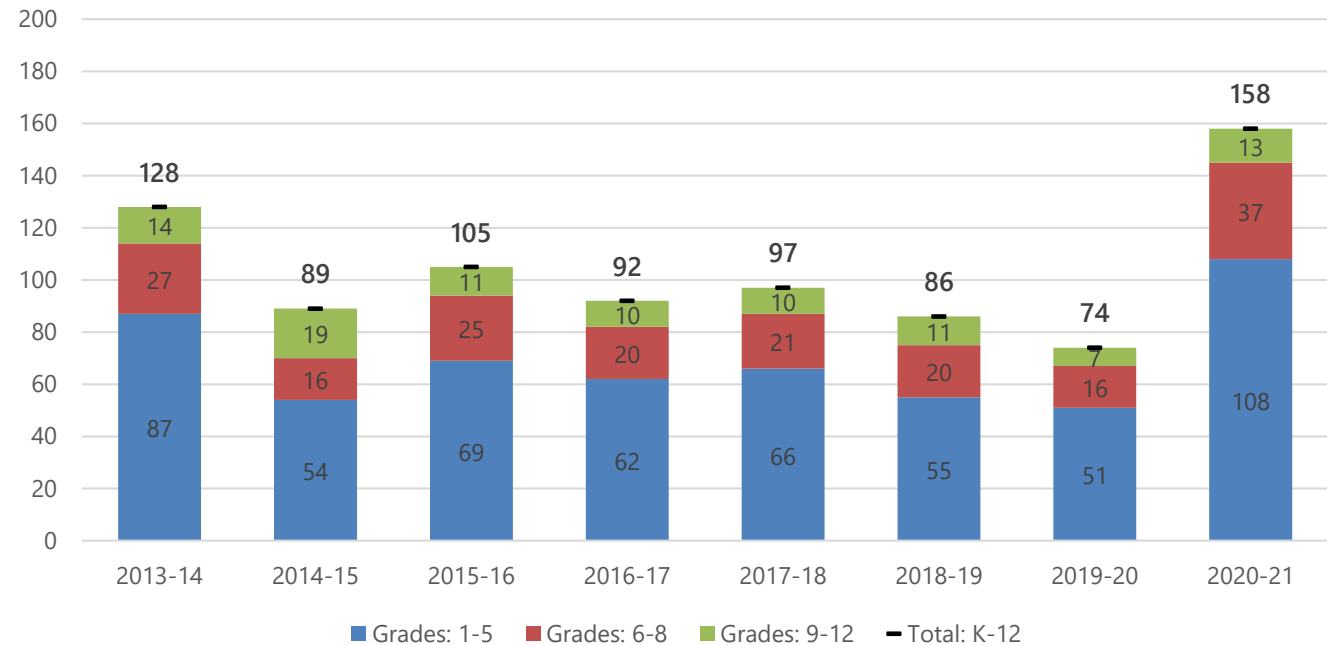


Housing Market & Student Migration

- Matching of known home sales to students entering the system (unique ID not present in prior year) yields an estimate of students generated from housing turnover
- Elevated home sales has resulted in significant in-migration into the district, especially at the elementary level
- Number of students matched to home sales in 2020-21 is the highest in recent memory and is up 114% from 2019-20



New to District Students Attributed to the Prior Year's Home Sales (2013-14 to 2020-21)



Source: Westport Public Schools, Warren Group

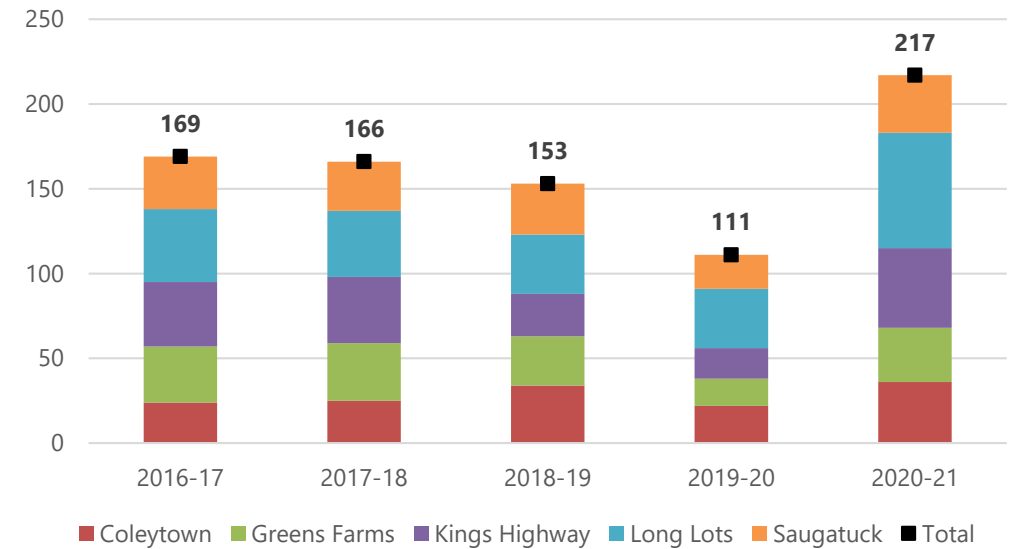
To be counted as matching sale home must be sold between Q4 of previous year, and Q1-Q3 of current year

Elementary Student Migration

New-to-District Students by School (Grades 1-5)

School Name	2016-17	2017-18	2018-19	2019-20	2020-21
Coleytown	24	25	34	22	36
Greens Farms	33	34	29	16	32
Kings Highway	38	39	25	18	47
Long Lots	43	39	35	35	68
Saugatuck	31	29	30	20	34
Total	169	166	153	111	217

New-to-District Students (Grades 1-5)

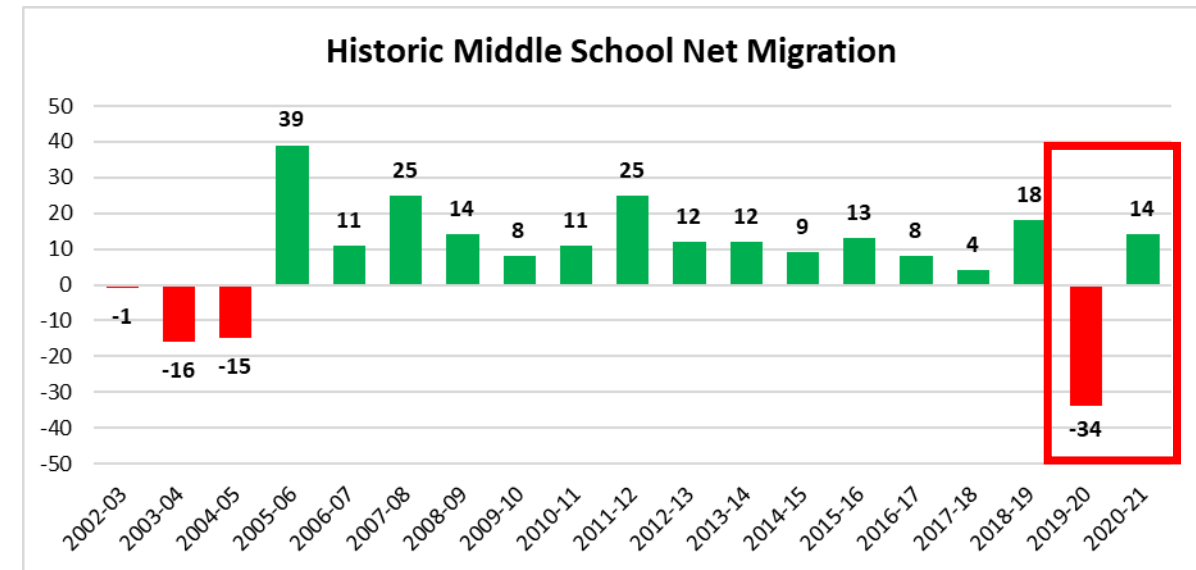
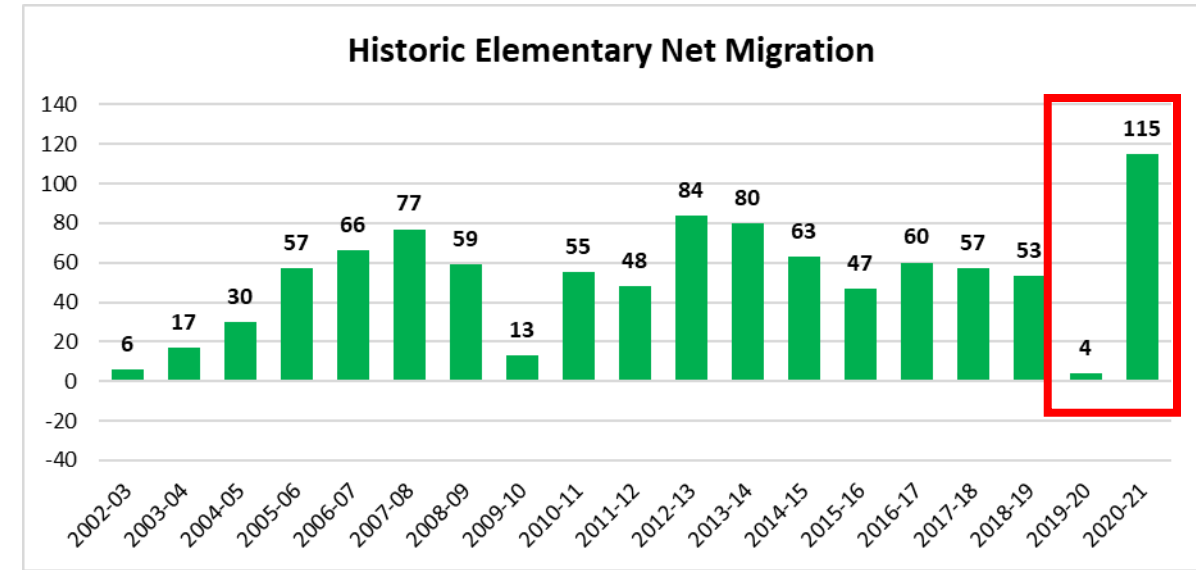


- 217 new to district students in grades 1 through 5 in 2020-21
 - About half of these students are tied to home sales over the prior twelve months
 - Rental housing and or transfers from private schools account for difference between total in-migration and in-migration from sales
- Number of new-to-district students in 2020-21 is nearly double the number seen last year and is significantly higher than the number seen from 2016-17 to 2018-19



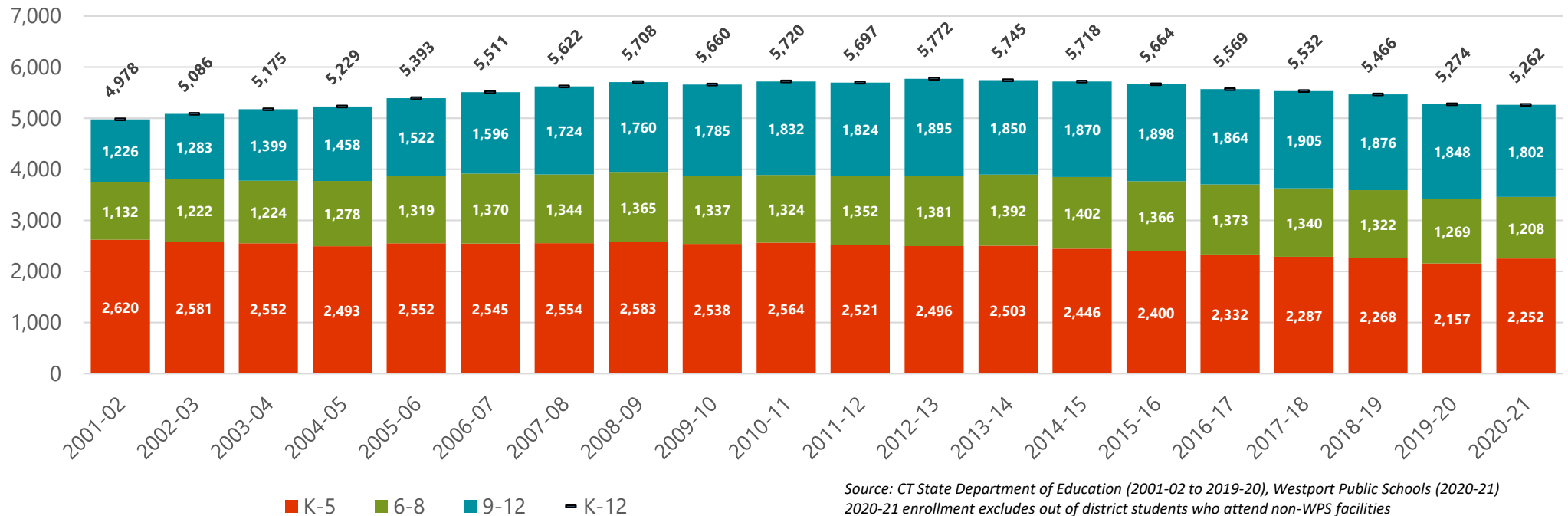
Net Migration

- Net migration includes both new-to-district students as well as student withdrawals
- 2020-21 elementary net migration of +115 students is the highest on record
 - Follows record low of just 4 students in 2019-20
- After experiencing a net out-migration of -34 students in 2019-20, middle school net migration has returned to historic levels for 2020-21



K-12 Historic Enrollments

Westport Public Schools Historic K-12 Enrollment
(2001-02 to 2020-21)

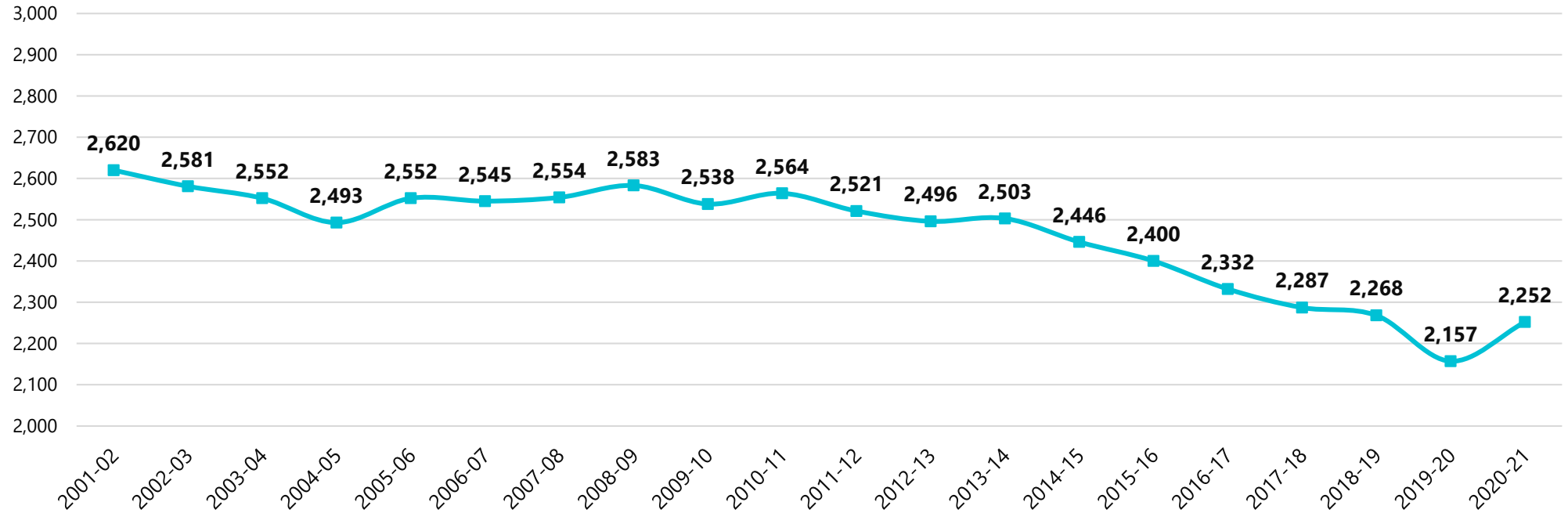


- Overall, enrollment was stable since the 2019-20 school year
- Elementary enrollment increased by 95 students or 4.4% since last year. Rebound follows a sharp decrease in 2019-20
- Middle school enrollment decreased by 61 students or -4.8%, driven by small 6th grade class
- High school enrollment decreased by 46 students or -2.5% as small 9th grade class replaces larger graduating class from last year



K-5 Historic Enrollments

Westport Public Schools Historic K-5 Enrollment
(2001-02 to 2020-21)



Source: CT State Department of Education (2001-02 to 2019-20), Westport Public Schools (2020-21)
2020-21 enrollment excludes out of district students who attend non-WPS facilities

- Elementary enrollment increased by 95 students or 4.4% since last year. Rebound follows a sharp decrease in 2019-20



Elem. By School Historic Enrollments

Historic Total Elementary (K-5) Enrollments

Westport Public Schools

Elementary School	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	5-Year Change	10-Year Change
Coleytown	480	447	451	410	404	371	369	381	391	424	5.0%	-11.7%
Greens Farms	453	452	446	455	411	418	417	398	370	418	1.7%	-7.7%
Kings Highway	468	486	498	498	485	490	463	470	445	451	-7.0%	-3.6%
Long Lots	598	583	578	560	560	545	540	538	511	554	-1.1%	-7.4%
Saugatuck	522	524	523	518	516	483	483	466	422	405	-21.5%	-22.4%

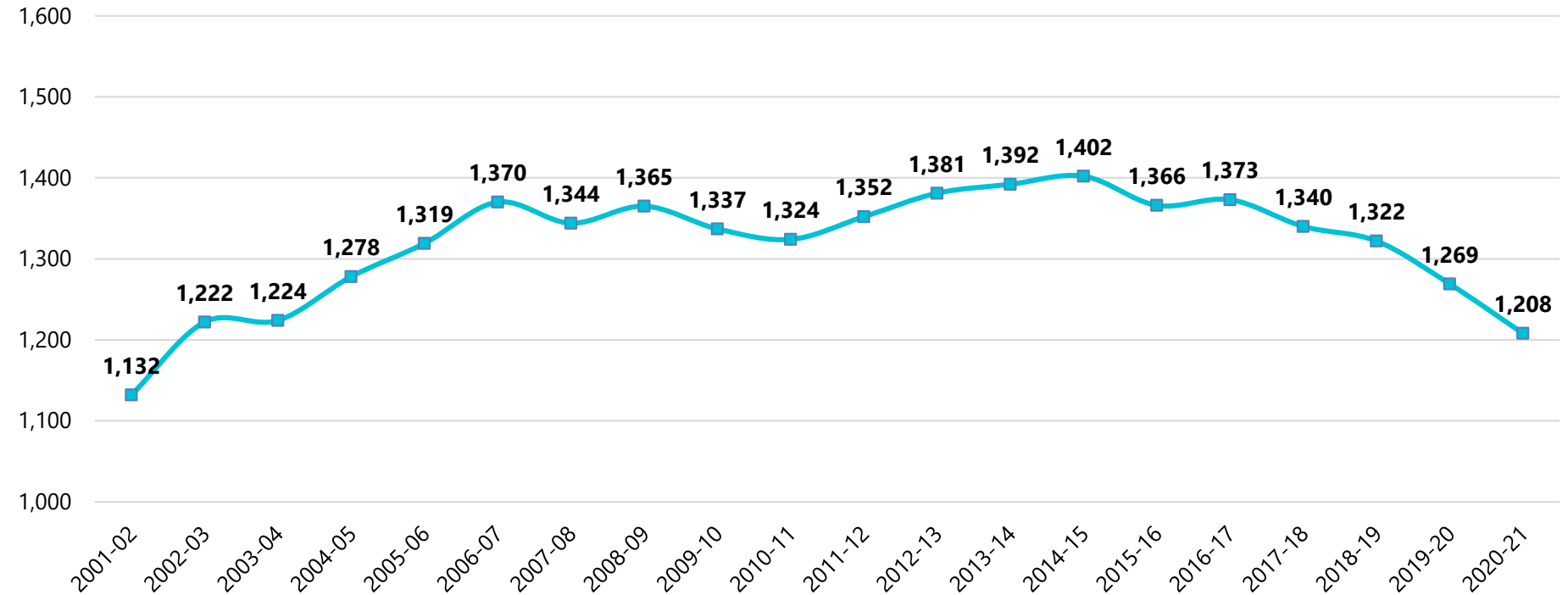
Excludes enrollment in the GFS and LLS intensive programs

- Elementary schools experienced their most recent enrollment peak in the early to mid 2010s
- Enrollment at Coleytown (5%) and Greens Farms (1.7%) have increased over the last five years
- Enrollment at Long Lots has generally stayed stable over the last five years
- Enrollment has continued to decrease at Kings Highway (-7%) and Saugatuck (-21.5%) over the last five years



6-8 Historic Enrollments

**Westport Public Schools Historic 6-8 Enrollment
(2001-02 to 2020-21)**

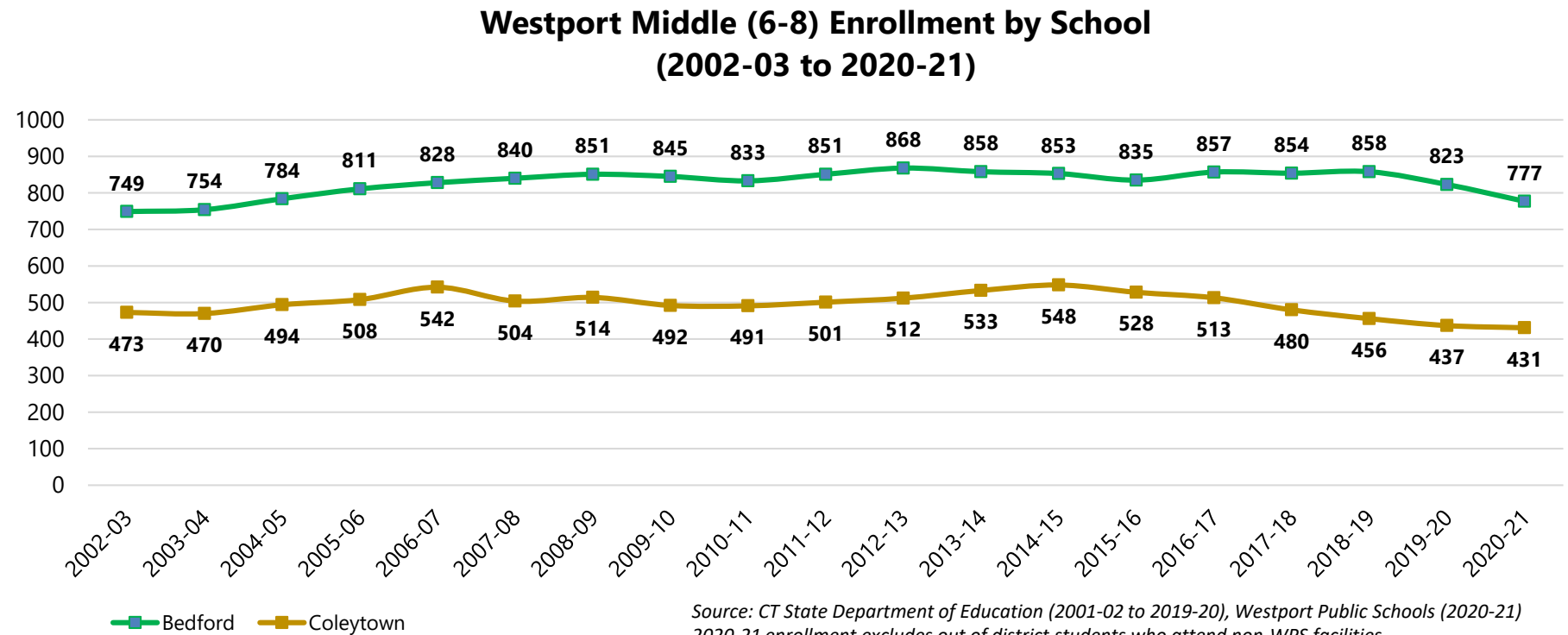


*Source: CT State Department of Education (2001-02 to 2019-20), Westport Public Schools (2020-21)
2020-21 enrollment excludes out of district students who attend non-WPS facilities*



- 6-8 enrollment experienced its historic peak during the 2014-15 school year and has decreased 13.8% since
- Decrease this year driven by small incoming 6th grade class

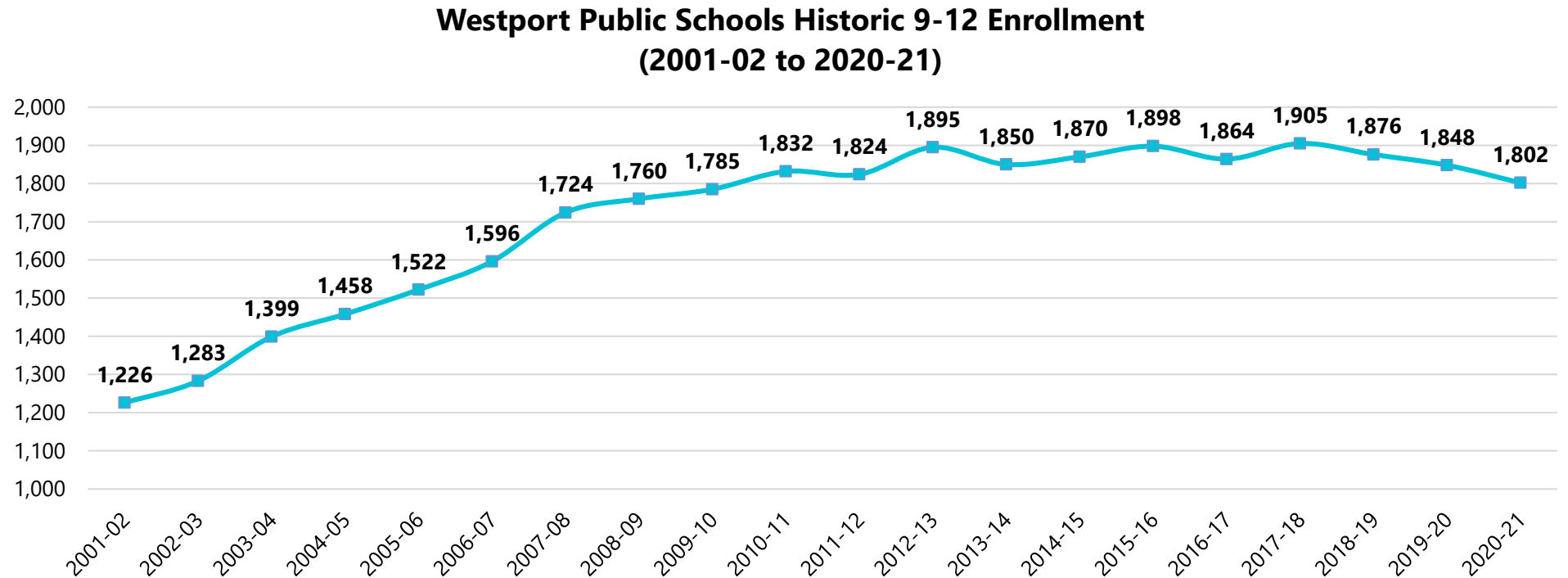
Mid. By School Historic Enrollments



- 2019-20 and 2020-21 enrollment data assigned to CMS based on address



9-12 Historic Enrollments



Source: CT State Department of Education (2001-02 to 2019-20), Westport Public Schools (2020-21)
2020-21 enrollment excludes out of district students who attend non-WPS facilities

- High school enrollment peaked at 1,905 students in 2017-18
- Since then it has decreased 103 students or -5.4% as smaller 9th grade classes replace larger graduating classes



Historic Enrollments

Westport Public School Enrollment History

Pre-Kindergarten to 12th Grade

School Year	Birth Year	Births	K	1	2	3	4	5	6	7	8	9	10	11	12	PK
2001-02	1996	357	418	447	433	467	422	433	396	394	342	354	329	273	270	29
2002-03	1997	326	388	442	442	430	464	415	421	404	397	350	346	319	268	40
2003-04	1998	309	369	412	439	446	422	464	416	413	395	404	337	344	314	49
2004-05	1999	314	375	396	430	435	445	412	465	403	410	387	400	327	344	51
2005-06	2000	335	414	400	410	438	438	452	427	480	412	420	389	392	321	55
2006-07	2001	281	379	443	415	435	434	439	461	419	490	406	426	384	380	59
2007-08	2002	296	371	418	462	422	443	438	449	464	431	488	412	434	390	56
2008-09	2003	301	408	412	430	465	433	435	449	445	471	437	484	411	428	56
2009-10	2004	259	377	430	404	442	464	421	448	444	445	466	435	474	410	56
2010-11	2005	261	392	402	441	421	462	446	436	445	443	463	467	433	469	55
2011-12	2006	228	355	400	421	442	430	473	460	436	456	464	461	471	428	39
2012-13	2007	191	364	389	421	431	453	438	479	463	439	481	471	470	473	46
2013-14	2008	219	365	387	403	435	450	463	446	484	462	442	479	466	463	41
2014-15	2009	168	343	390	408	416	449	440	468	445	489	473	442	482	473	54
2015-16	2010	192	347	346	406	419	427	455	440	470	456	493	479	438	488	50
2016-17	2011	176	327	373	361	423	414	434	450	452	471	465	493	468	438	54
2017-18	2012	192	332	347	387	370	432	419	437	448	455	480	463	490	472	66
2018-19	2013	172	347	350	358	400	374	439	431	433	458	465	478	445	488	73
2019-20	2014	179	324	355	369	348	401	360	422	412	435	451	469	479	449	70
2020-21	2015	156	340	359	381	401	360	411	376	410	422	432	443	457	470	72

Source: State Department of Education, CeDar, 2001-02 to 2006-07; EdSight Enrollment Counts 2007-08 to 2019-20; Westport Public Schools 2020-21

- Declining size of entering cohorts beginning in 2011-12 (ranging from 320 to 370)
- Larger kindergarten cohorts from prerecession era have matriculated through high school and are now being replaced by smaller cohorts
- Despite larger kindergarten class and high levels of elementary in-migration in 2020-21, elementary cohorts are still relatively small compared to historic trends



Projection Methodology

- The cohort survival methodology relies on observed data from the recent past in order to project the near future
- Persistency Ratios calculated from historic enrollment data to determine growth or loss in a class as it progresses through the school system
- Persistency Ratios account for the various external factors affecting enrollments: housing characteristics, residential development, economic conditions, student transfers in and out of system, and student mobility
- Changes in population, housing stock and tenure, and economic conditions help explain persistency ratios
- Recent instability in economic climate adds variability to enrollments, births, and residential mobility



Persistence Ratios

Kindergarten through 12th Grade Persistence Ratios by School Year
2002-2003 to 2020-21

Year	Birth-K	K-1	1-2	2-3	3-4	4-5	5-6	6-7	7-8	8-9	9-10	10-11	11-12	Est. of Migration (1
2002-03	1.1902	1.0574	0.9888	0.9931	0.9936	0.9834	0.9723	1.0202	1.0076	1.0234	0.9774	0.9696	0.9817	-0.6%
2003-04	1.1942	1.0619	0.9932	1.0090	0.9814	1.0000	1.0024	0.9810	0.9777	1.0176	0.9629	0.9942	0.9843	-0.8%
2004-05	1.1943	1.0732	1.0437	0.9909	0.9978	0.9763	1.0022	0.9688	0.9927	0.9797	0.9901	0.9703	1.0000	-0.4%
2005-06	1.2358	1.0667	1.0354	1.0186	1.0069	1.0157	1.0364	1.0323	1.0223	1.0244	1.0052	0.9800	0.9817	2.4%
2006-07	1.3488	1.0700	1.0375	1.0610	0.9909	1.0023	1.0199	0.9813	1.0208	0.9854	1.0143	0.9871	0.9694	1.6%
2007-08	1.2534	1.1029	1.0429	1.0169	1.0184	1.0092	1.0228	1.0065	1.0286	0.9959	1.0148	1.0188	1.0156	2.1%
2008-09	1.3555	1.1105	1.0287	1.0065	1.0261	0.9819	1.0251	0.9911	1.0151	1.0139	0.9918	0.9976	0.9862	1.0%
2009-10	1.4556	1.0539	0.9806	1.0279	0.9978	0.9723	1.0299	0.9889	1.0000	0.9894	0.9954	0.9793	0.9976	0.0%
2010-11	1.5019	1.0663	1.0256	1.0421	1.0452	0.9612	1.0356	0.9933	0.9977	1.0404	1.0021	0.9954	0.9895	1.3%
2011-12	1.5570	1.0204	1.0473	1.0023	1.0214	1.0238	1.0314	1.0000	1.0247	1.0474	0.9957	1.0086	0.9885	2.1%
2012-13	1.9058	1.0958	1.0525	1.0238	1.0249	1.0186	1.0127	1.0065	1.0069	1.0548	1.0151	1.0195	1.0042	2.0%
2013-14	1.6667	1.0632	1.0360	1.0333	1.0441	1.0221	1.0183	1.0104	0.9978	1.0068	0.9958	0.9894	0.9851	2.2%
2014-15	2.0417	1.0685	1.0543	1.0323	1.0322	0.9778	1.0108	0.9978	1.0103	1.0238	1.0000	1.0063	1.0150	1.5%
2015-16	1.8073	1.0087	1.0410	1.0270	1.0264	1.0134	1.0000	1.0043	1.0247	1.0082	1.0127	0.9910	1.0124	1.9%
2016-17	1.8580	1.0749	1.0434	1.0419	0.9881	1.0164	0.9890	1.0273	1.0021	1.0197	1.0000	0.9770	1.0000	1.4%
2017-18	1.7292	1.0612	1.0375	1.0249	1.0213	1.0121	1.0069	0.9956	1.0066	1.0191	0.9957	0.9939	1.0085	1.4%
2018-19	2.0174	1.0542	1.0317	1.0336	1.0108	1.0162	1.0286	0.9908	1.0223	1.0220	0.9958	0.9611	0.9959	1.9%
2019-20	1.8101	1.0231	1.0543	0.9721	1.0025	0.9626	0.9613	0.9559	1.0046	0.9847	1.0086	1.0021	1.0090	-1.4%
2020-21	2.1795	1.1080	1.0732	1.0867	1.0345	1.0249	1.0444	0.9716	1.0243	0.9931	0.9823	0.9744	0.9812	3.5%

Source: Calculated by MMI from State Department of Education, Public School Information System (2001-2019), Westport Public Schools (2020-21) enrollments, and CT Department of Public Health (CT DPH) Birth Data.

- Persistence ratios for 2020-21 indicate the highest levels of in-migration over the last twenty years
- Estimate of migration compares cohort in grades 2-8 with the same cohort in grades 1-7 the prior year
 - Between 2014-15 and 2018-19, estimate of migration averaged 1.6% annually
 - Decreased to -1.4% in 2019-20 – first negative estimate of migration since the early 2000s
 - Increased to 3.5% in 2020-21 – highest in recent memory

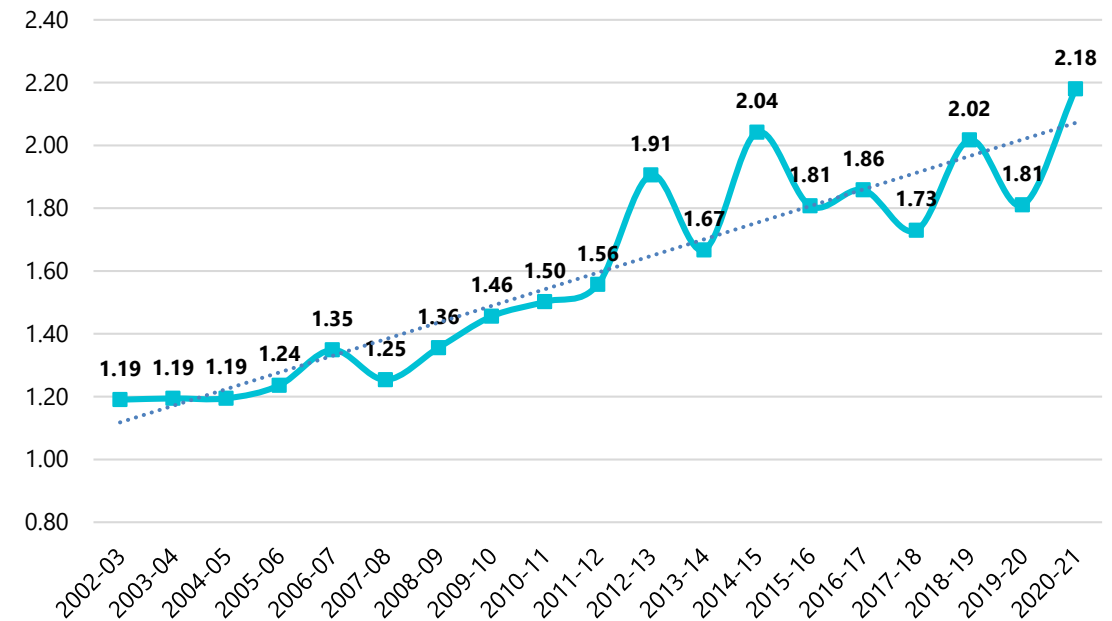


Persistence Ratios

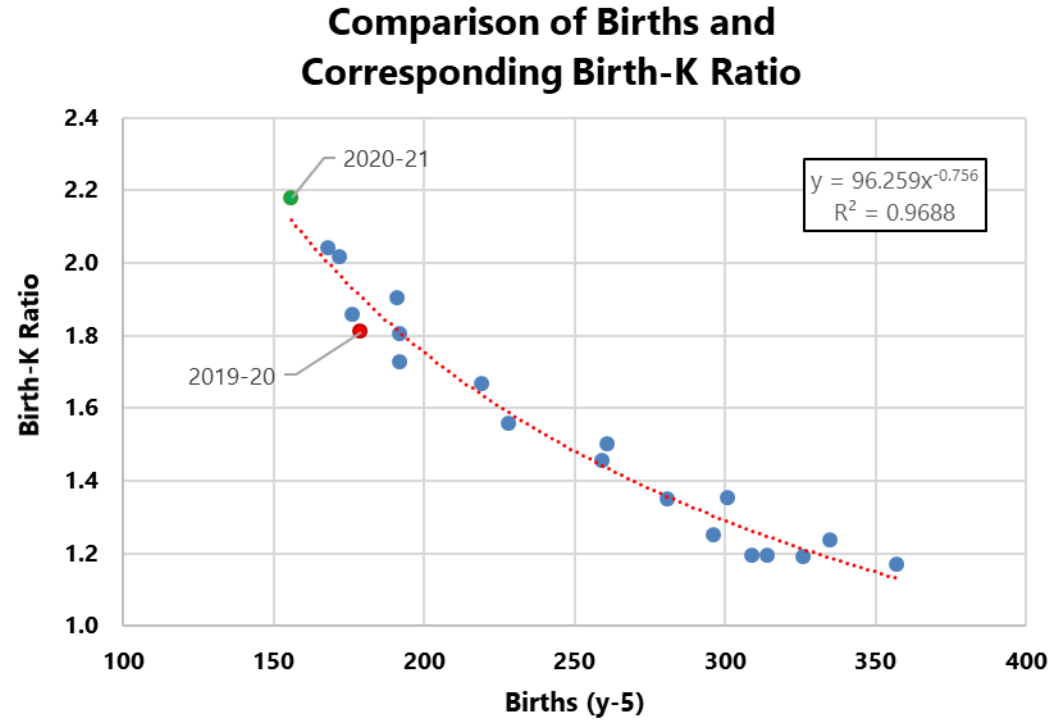
- The Birth-K persistency ratio is a key component for projecting future Kindergarten
- As with many lower Fairfield County communities, Westport has experienced a rising Birth-K ratio since the onset of the Great Recession
- Westport's Birth-K has exhibited greater year-to-year fluctuations over the last five years than in previous decade



Westport Birth-K Ratio



Persistency Ratios

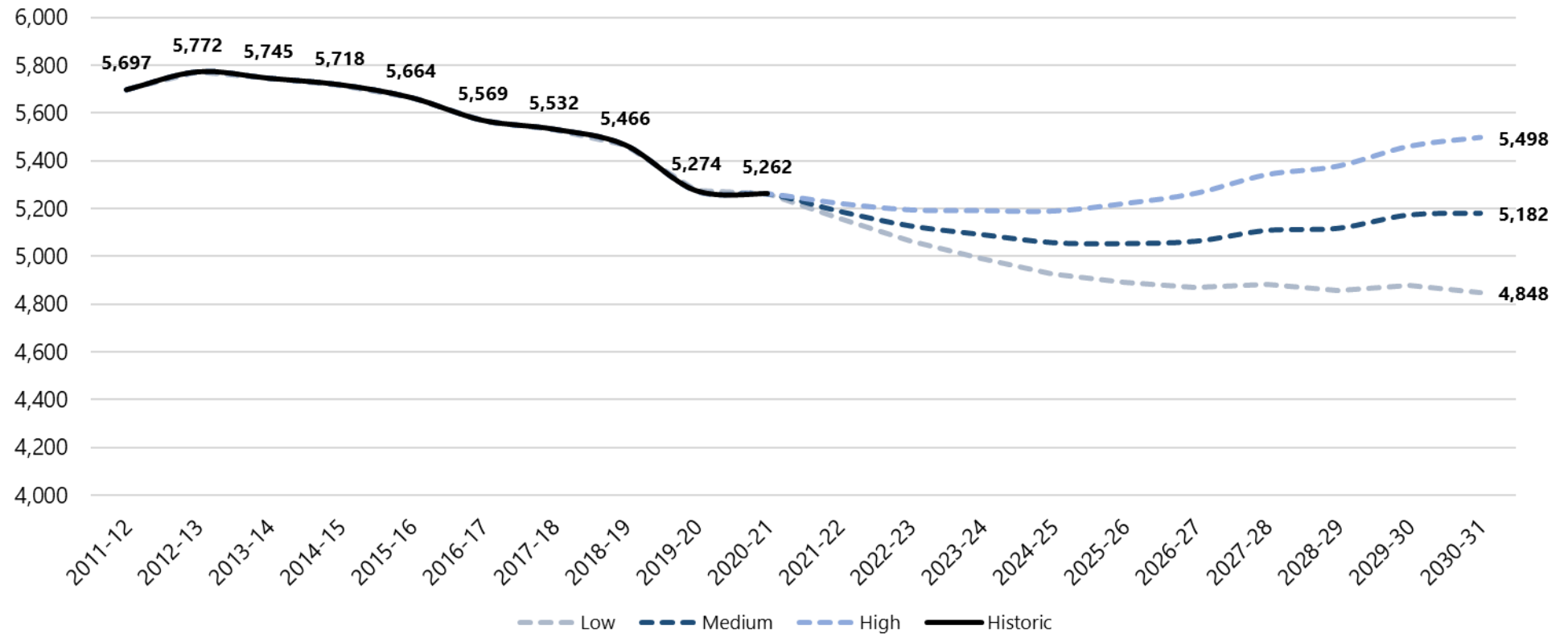


- A “best fit line” to represent the relationship between births (x) and historic birth-k ratios (y) yielded an R^2 value of 0.9688 and an equation of $y=96.259x^{-0.756}$
- Our “best fit line” guides the variable birth-k ratios



Districtwide Projections

Westport Public Schools Actual and Projected Districtwide (K-12) Enrollment: 2011-12 to 2030-31

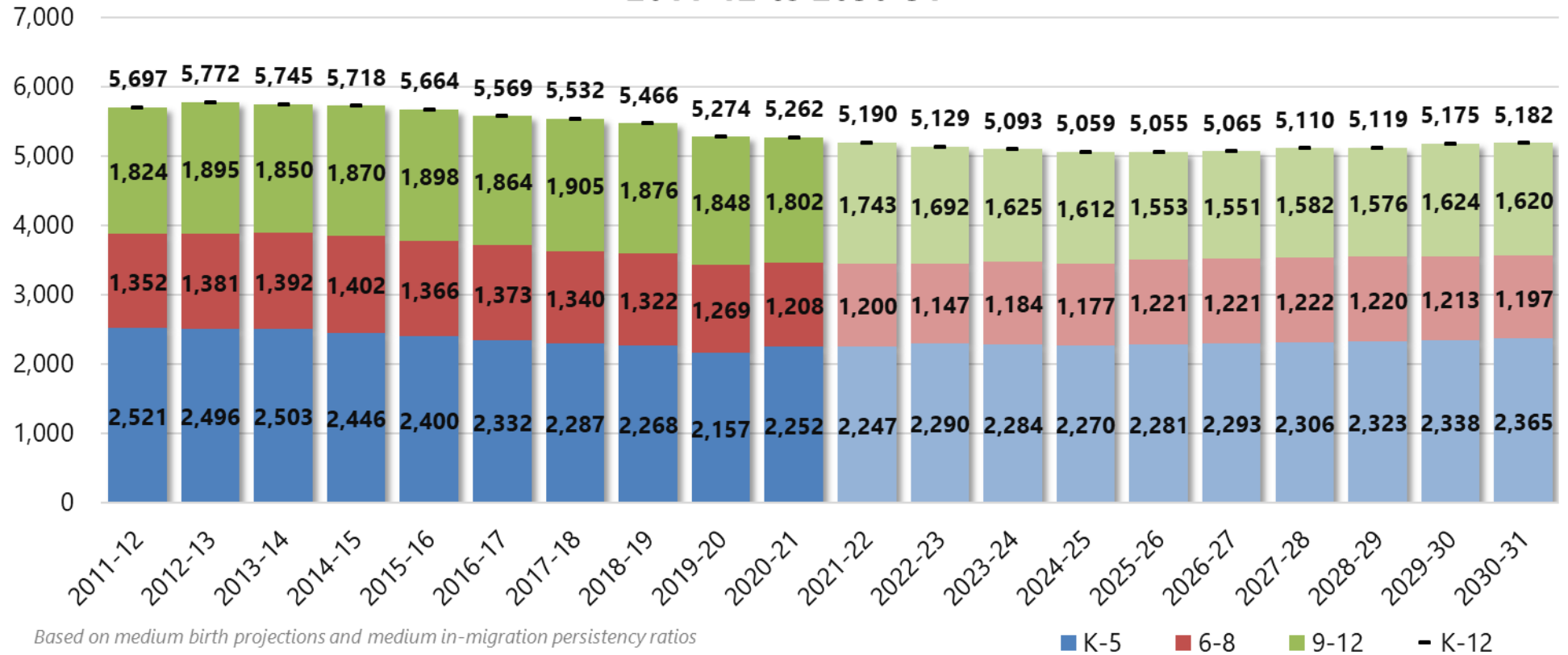


- High: Variable Birth-K Ratio escalated by 4%, Variable Persistency Ratios by Grade, High Birth Regression
- **Medium: Variable Birth-K Ratio, Variable Persistency Ratios by Grade, Medium Birth Regression**
- Low: Variable Birth-K Ratio deescalated by 4%, Variable Persistency Ratios by Grade, Low Birth Regression



Districtwide Projections

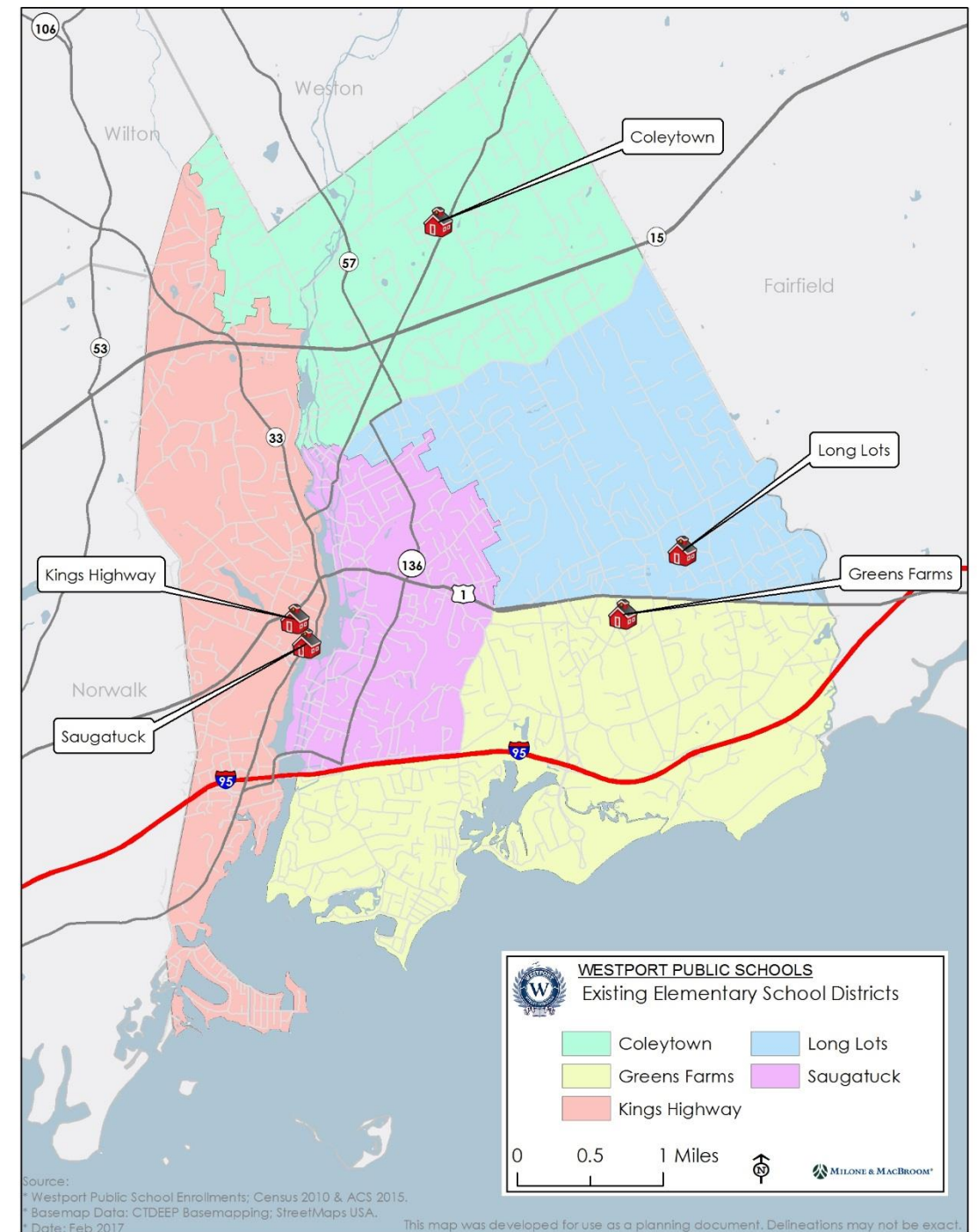
**Historic and Projected K-12 Enrollment (Medium Scenario)
2011-12 to 2030-31**



- Medium scenario depicts a continued decline in total enrollment over the next five years, primarily at the high school level as smaller cohorts move up to 9th grade
- K-12 enrollment projected to rebound beginning in 2026-27 primarily due to increasing elementary enrollment



Elementary Projections



Elementary School Projections

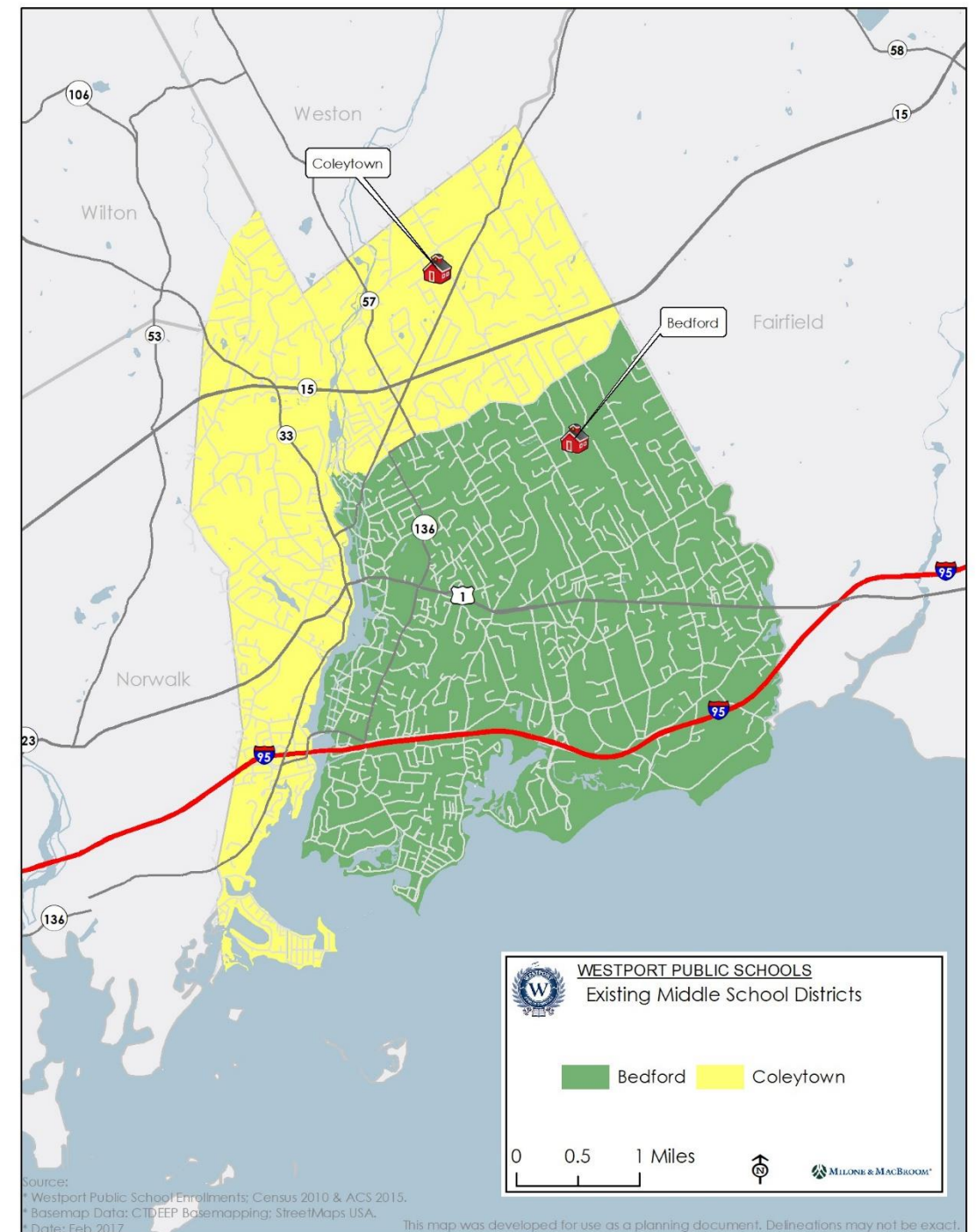
Actual and Projected Elementary School Enrollments: 2020-21 to 2030-31 (Medium Model)

School	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Coleytown	424	435	452	454	445	439	436	438	441	443	447
Greens Farms	418	426	440	448	453	456	445	449	451	455	460
Kings Highway	451	450	446	451	451	452	463	466	470	473	479
Long Lots	554	541	556	538	537	545	545	547	552	556	563
Saugatuck	405	395	396	393	384	389	404	406	409	411	416
K-5 Total	2,252	2,247	2,290	2,284	2,270	2,281	2,293	2,306	2,323	2,338	2,365

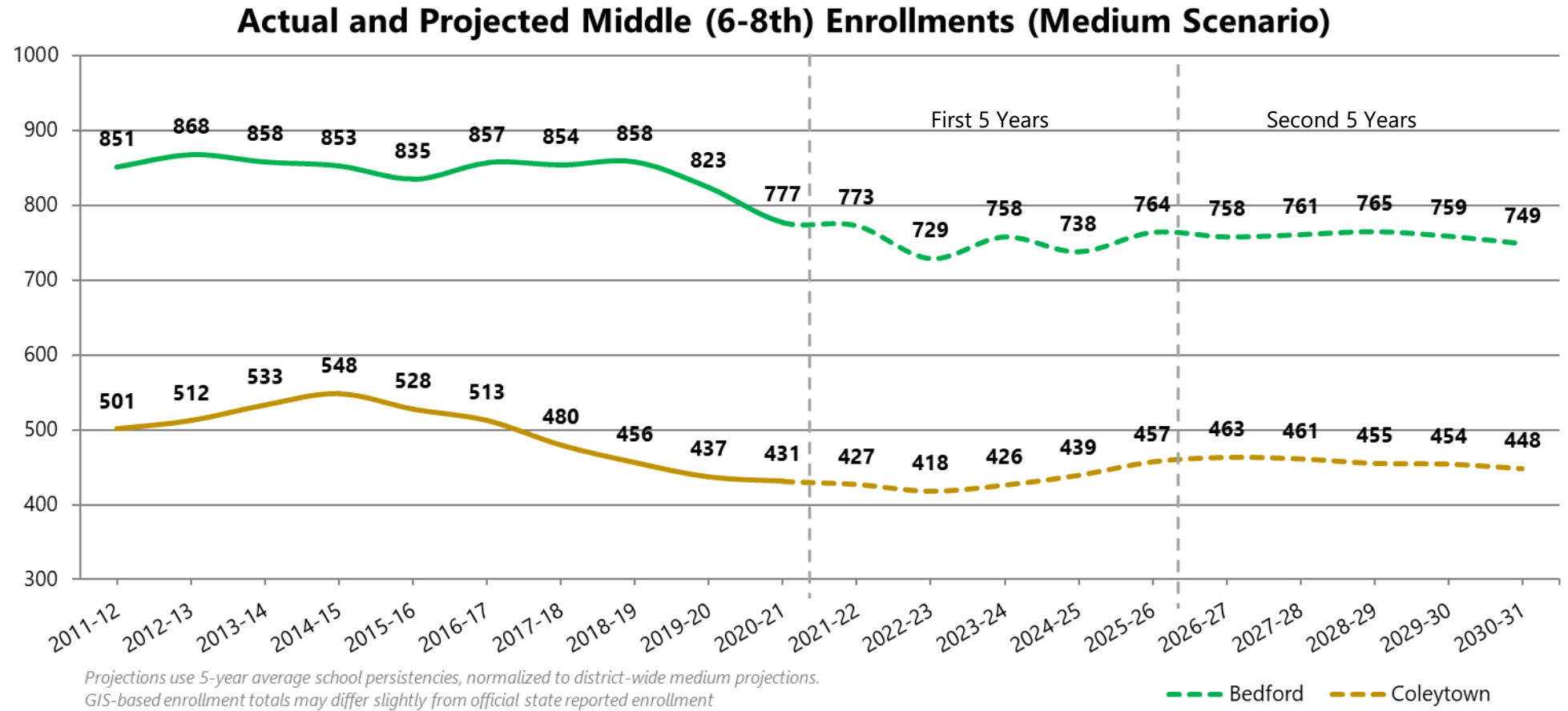
- Medium scenario projects an increase at each elementary school over the next ten years. However, rate of growth varies by school:
 - Fastest growth projected at Greens Farms (10.0%), Kings Highway (6.2%), and Coleytown (5.4%)
 - Long Lots and Saugatuck are projected to decrease slightly over the next five years before growing modestly by 1.6% and 2.7%, respectively, through 2030-31



Middle School Projections



Middle School Projections



- 2019-20 and 2020-21 middle school enrollment assigned to CMS based on student address
- Middle school enrollment projected to stay generally stable over the next ten years
 - CMS projected to grow slightly over the next five years before stabilizing at around 450 to 460 students



Projection Takeaways Districtwide

- Projections revised upwards due to strong housing market and in-migration rates
 - Recommended medium model assumes modest level of in-migration, strong housing market, and elevated births continue over the next ten years
 - Should current year housing and migration trends continue, high model may be more appropriate
- Overall K-12 enrollment is projected to decrease by 3.9% over the next five years and bottom out for the 2025-26 school year
 - Over the final five years of the projections, K-12 enrollment is projected to grow by 2.5%
- Elementary enrollments are projected to “bottom out” in 2021-22 before increasing by 5.3% over the final nine years of the projections
- Middle school enrollment is projected to stay relatively stable at between 1,150 and 1,250 students over the next ten years
- High school enrollment is projected to decrease by 13.9% through 2026-27 as smaller cohorts enter 9th grade
 - Enrollment projected to rebound slightly over the final four years of the projections as larger elementary and middle school cohorts begin moving up



Projection Takeaways School Specific

- Greens Farms, Coleytown and Kings Highway are projected to experience modest enrollment growth over the next ten years
- Long Lots and Saugatuck are projected to decrease slightly over the next five years before rebounding over the final five years of the projections
- Coleytown Middle School is projected to grow by 6% over the next five years before stabilizing at between 450 to 460 students
- Bedford Middle School is projected to decrease slowly over the next ten years



APPENDIX: Districtwide Projections Medium

Medium Districtwide Projections

School Year	Birth Year	Medium Births	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	PK-12	K-12	K-5	6-8	9-12
2020-21	2015	156	340	359	381	401	360	411	376	410	422	432	443	457	470	72	5,334	5,262	2,252	1,208	1,802
2021-22	2016	168	336	364	381	396	409	361	413	372	415	427	428	433	455	72	5,262	5,190	2,247	1,200	1,743
2022-23	2017	164	334	360	386	396	404	410	363	408	376	420	423	418	431	72	5,201	5,129	2,290	1,147	1,692
2023-24	2018	163	334	358	382	401	404	405	412	359	413	380	416	413	416	72	5,165	5,093	2,284	1,184	1,625
2024-25	2019	141	322	358	379	397	409	405	407	407	363	418	377	406	411	72	5,131	5,059	2,270	1,177	1,612
2025-26	2020	193	348	345	379	394	405	410	407	402	412	367	414	368	404	72	5,127	5,055	2,281	1,221	1,553
2026-27	2021	204	352	373	366	394	402	406	412	402	407	417	364	404	366	72	5,137	5,065	2,293	1,221	1,551
2027-28	2022	194	348	377	395	381	402	403	408	407	407	412	413	355	402	72	5,182	5,110	2,306	1,222	1,582
2028-29	2023	191	347	373	400	411	389	403	405	403	412	412	408	403	353	72	5,191	5,119	2,323	1,220	1,576
2029-30	2024	189	346	372	395	416	419	390	405	400	408	417	408	398	401	72	5,247	5,175	2,338	1,213	1,624
2030-31	2025	189	346	370	394	411	424	420	392	400	405	413	413	398	396	72	5,254	5,182	2,365	1,197	1,620

Assumptions: Medium birth projections, variable BK, blended persistency ratios

1st 5-Year Change	-3.9%	-3.9%	1.3%	1.1%	-13.8%
2nd 5-Year Change	2.5%	2.5%	3.7%	-2.0%	4.3%

APPENDIX: Districtwide Projections High

High Districtwide Projections

School Year	Birth Year	High Births	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	PK-12	K-12	K-5	6-8	9-12
2020-21	2015	156	340	359	381	401	360	411	376	410	422	432	443	457	470	72	5,334	5,262	2,252	1,208	1,802
2021-22	2016	168	350	365	376	399	410	366	422	371	417	425	430	435	456	72	5,294	5,222	2,266	1,210	1,746
2022-23	2017	164	347	376	382	394	408	417	376	416	378	420	424	422	435	72	5,267	5,195	2,324	1,170	1,701
2023-24	2018	163	347	373	394	400	403	415	428	371	423	381	419	416	422	72	5,264	5,192	2,332	1,222	1,638
2024-25	2019	141	335	373	391	413	409	410	426	422	378	426	380	411	416	72	5,262	5,190	2,331	1,226	1,633
2025-26	2020	193	362	360	391	410	422	416	421	420	429	381	425	373	411	72	5,293	5,221	2,361	1,270	1,590
2026-27	2021	209	369	389	377	410	419	429	427	415	427	432	380	417	373	72	5,336	5,264	2,393	1,269	1,602
2027-28	2022	204	366	396	407	395	419	426	440	421	422	430	430	373	417	72	5,414	5,342	2,409	1,283	1,650
2028-29	2023	204	366	393	415	427	404	426	437	434	428	425	428	422	373	72	5,450	5,378	2,431	1,299	1,648
2029-30	2024	206	367	393	412	435	436	411	437	431	442	431	424	420	422	72	5,533	5,461	2,454	1,310	1,697
2030-31	2025	211	369	394	412	432	445	444	422	431	439	445	429	416	420	72	5,570	5,498	2,496	1,292	1,710

Assumptions: High birth projections, variable BK escalated by 4%, blended persistency ratios

1st 5-Year Change	-0.8%	-0.8%	4.8%	5.1%	-11.8%
2nd 5-Year Change	5.2%	5.3%	5.7%	1.7%	7.5%

APPENDIX: Districtwide Projections Low

Low Districtwide Projections

School Year	Birth Year	Low Births	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	PK-12	K-12	K-5	6-8	9-12
2020-21	2015	156	340	359	381	401	360	411	376	410	422	432	443	457	470	72	5,334	5,262	2,252	1,208	1,802
2021-22	2016	168	323	361	377	392	408	361	416	366	417	420	428	433	455	72	5,229	5,157	2,222	1,199	1,736
2022-23	2017	164	321	343	379	388	399	410	365	405	372	415	416	418	431	72	5,134	5,062	2,240	1,142	1,680
2023-24	2018	163	320	341	360	390	395	401	415	355	412	370	411	406	416	72	5,064	4,992	2,207	1,182	1,603
2024-25	2019	141	309	340	358	371	397	397	406	404	361	410	367	401	404	72	4,997	4,925	2,172	1,171	1,582
2025-26	2020	193	334	328	357	368	377	399	402	395	411	359	406	358	399	72	4,965	4,893	2,163	1,208	1,522
2026-27	2021	200	337	355	344	367	374	379	404	391	402	409	356	396	356	72	4,942	4,870	2,156	1,197	1,517
2027-28	2022	187	331	358	372	354	373	375	383	393	398	400	405	348	394	72	4,956	4,884	2,163	1,174	1,547
2028-29	2023	180	328	351	376	383	360	374	379	373	400	396	397	395	346	72	4,930	4,858	2,172	1,152	1,534
2029-30	2024	174	325	348	368	387	390	361	378	369	379	398	393	388	393	72	4,949	4,877	2,179	1,126	1,572
2030-31	2025	168	323	345	365	379	394	392	365	368	375	377	395	384	386	72	4,920	4,848	2,198	1,108	1,542

Assumptions: Low birth projections, variable BK de-escalated by 4%, blended persistency ratios

1st 5-Year Change	-6.9%	-7.0%	-4.0%	0.0%	-15.5%
2nd 5-Year Change	-0.9%	-0.9%	1.6%	-8.3%	1.3%

APPENDIX: Individual Elementary Projections

Actual and Projected Elementary School Enrollments: 2020-21 to 2030-31 (Medium Model)

School	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Coleytown	424	435	452	454	445	439	436	438	441	443	447
Greens Farms	418	426	440	448	453	456	445	449	451	455	460
Kings Highway	451	450	446	451	451	452	463	466	470	473	479
Long Lots	554	541	556	538	537	545	545	547	552	556	563
Saugatuck	405	395	396	393	384	389	404	406	409	411	416
K-5 Total	2,252	2,247	2,290	2,284	2,270	2,281	2,293	2,306	2,323	2,338	2,365

APPENDIX: Individual Elementary Projections

Westport Public Schools Elementary School Enrollment Projections 2021-22							
School	K	1	2	3	4	5	K-5th
Coleytown	63	74	80	81	75	62	435
Green's Farms	61	80	72	71	73	69	426
King's Highway	73	68	76	79	73	81	450
Long Lots	77	88	86	90	118	82	541
Saugatuck	62	54	67	75	70	67	395
TOTAL	336	364	381	396	409	361	2,247

Westport Public Schools Elementary School Enrollment Projections 2022-23							
School	K	1	2	3	4	5	K-5th
Coleytown	62	67	81	83	83	76	452
Green's Farms	61	69	86	75	76	73	440
King's Highway	72	75	69	79	78	73	446
Long Lots	77	84	94	90	93	118	556
Saugatuck	62	65	56	69	74	70	396
TOTAL	334	360	386	396	404	410	2,290

Westport Public Schools Elementary School Enrollment Projections 2023-24							
School	K	1	2	3	4	5	K-5th
Coleytown	63	66	74	84	84	83	454
Green's Farms	60	69	74	90	80	75	448
King's Highway	72	74	78	73	77	77	451
Long Lots	76	84	89	97	96	96	538
Saugatuck	63	65	67	57	67	74	393
TOTAL	334	358	382	401	404	405	2,284

Westport Public Schools Elementary School Enrollment Projections 2024-25							
School	K	1	2	3	4	5	K-5th
Coleytown	60	66	73	76	85	85	445
Green's Farms	58	68	74	77	96	80	453
King's Highway	70	75	76	81	72	77	451
Long Lots	74	84	89	93	101	96	537
Saugatuck	60	65	67	70	55	67	384
TOTAL	322	358	379	397	409	405	2,270

Westport Public Schools Elementary School Enrollment Projections 2025-26							
School	K	1	2	3	4	5	K-5th
Coleytown	65	64	73	75	77	85	439
Green's Farms	64	65	73	77	82	95	456
King's Highway	75	72	76	79	79	71	452
Long Lots	79	81	89	93	99	104	545
Saugatuck	65	63	68	70	68	55	389
TOTAL	348	345	379	394	405	410	2,281

Westport Public Schools Elementary School Enrollment Projections 2026-27							
School	K	1	2	3	4	5	K-5th
Coleytown	66	70	71	75	76	78	436
Green's Farms	64	71	69	76	83	82	445
King's Highway	76	77	74	79	78	79	463
Long Lots	81	87	86	94	97	100	545
Saugatuck	65	68	66	70	68	67	404
TOTAL	352	373	366	394	402	406	2,293

Westport Public Schools Elementary School Enrollment Projections 2027-28							
School	K	1	2	3	4	5	K-5th
Coleytown	65	70	77	72	77	77	438
Green's Farms	63	72	77	74	81	82	449
King's Highway	75	78	79	77	79	78	466
Long Lots	80	89	92	90	97	99	547
Saugatuck	65	68	70	68	68	67	406
TOTAL	348	377	395	381	402	403	2,306

Westport Public Schools Elementary School Enrollment Projections 2028-29							
School	K	1	2	3	4	5	K-5th
Coleytown	65	69	77	79	74	77	441
Green's Farms	63	71	77	81	79	80	451
King's Highway	75	77	81	83	76	78	470
Long Lots	79	88	94	96	95	100	552
Saugatuck	65	68	71	72	65	68	409
TOTAL	347	373	400	411	389	403	2,323

Westport Public Schools Elementary School Enrollment Projections 2029-30							
School	K	1	2	3	4	5	K-5th
Coleytown	64	69	76	79	80	75	443
Green's Farms	63	71	76	81	86	78	455
King's Highway	75	77	80	84	81	76	473
Long Lots	80	87	93	99	101	96	556
Saugatuck	64	68	70	73	71	65	411
TOTAL	346	372	395	416	419	390	2,338

Westport Public Schools Elementary School Enrollment Projections 2030-31							
School	K	1	2	3	4	5	K-5th
Coleytown	64	68	76	78	80	81	447
Green's Farms	63	70	76	80	86	85	460
King's Highway	75	77	80	83	83	81	479
Long Lots	80	88	92	97	104	102	563
Saugatuck	64	67	70	73	71	71	416
TOTAL	346	370	394	411	424	420	2,365

APPENDIX: Individual Middle Projections

Actual and Projected Middle School Enrollments: 2020-21 to 2030-31 (Medium Model)

School	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31
Bedford	777	773	729	758	738	764	758	761	765	759	749
Coleytown	431	427	418	426	439	457	463	461	455	454	448
Middle Total	1,208	1,200	1,147	1,184	1,177	1,221	1,221	1,222	1,220	1,213	1,197

APPENDIX: Individual Middle Projections

Bedford	6	7	8	Total
2020-21	238	264	275	777
2021-22	269	237	267	773
2022-23	222	267	240	729
2023-24	266	222	270	758
2024-25	250	264	224	738
2025-26	248	249	267	764
2026-27	259	247	252	758
2027-28	254	257	250	761
2028-29	253	252	260	765
2029-30	253	251	255	759
2030-31	244	251	254	749

Coleytown	6	7	8	Total
2020-21	138	146	147	431
2021-22	144	135	148	427
2022-23	141	141	136	418
2023-24	146	137	143	426
2024-25	157	143	139	439
2025-26	159	153	145	457
2026-27	153	155	155	463
2027-28	154	150	157	461
2028-29	152	151	152	455
2029-30	152	149	153	454
2030-31	148	149	151	448