

**NEEDHAM PUBLIC SCHOOLS**

**October 1, 2019 Enrollment**

**ELEMENTARY ENROLLMENT (by grade and school)**

Grade	Broadmeadow	Eliot	Mitchell	Newman	Williams	Total	# cls	Av Cl sz	FTE
k	19	22	16	20	20				
k	19	21	16	21	22				
k	20	21	16	21	20				
k	19		17	21	21				
k				18		390	20	19.50	20
1	20	22	19	20	19				
1	20	22	21	21	21				
1	20	23	22	21	20				
1	21		21	21	20				
1	21			21		436	21	20.76	21
2	22	19	18	21	23				
2	21	19	17	21	22				
2	21	19	18	19	23				
2	20	18	17	18	24				
2				21		441	22	20.05	22
2				20					
3	24	21	23	19	25				
3	23	20	22	19	23				
3	24	20	21	22	23				
3	24		22	19	22				
3				18		434	20	21.70	20
4	25	23	23	20	24				
4	24	27	24	22	24				
4	24	23	23	22	22				
4	24		24	22	22				
4				21		463	20	23.15	20
5	23	22	21	19	19				
5	24	22	21	19	20				
5	23	28	21	19	20				
5	23		21	19	19				
5				19		422	20	21.10	20
<b>TOTALS FOR NEEDHAM SCHOOL SYSTEM</b>									
<b>Total Student</b>	<b>548</b>	<b>412</b>	<b>484</b>	<b>624</b>	<b>518</b>	<b>2,586</b>	<b>123</b>	<b>21.02</b>	<b>123.00</b>
<b>Total Section</b>	<b>25</b>	<b>19</b>	<b>24</b>	<b>31</b>	<b>24</b>		<b>123</b>		

5 LBC Eliot 4th grade  
7 LBC Eliot 5th grade

	Pre-K	K	1	2	3	4	5	6	7	8	9	10	11	12	SP*
Preschool	72														
Broadmeadow		77	102	84	95	97	93								72
Eliot		64	67	75	61	73	72								548
Mitchell		65	83	70	88	94	84								412
Newman		101	104	120	97	107	95								484
Williams		83	80	92	93	92	78								624
High Rock								499							518
Pollard									460	432					499
High School											380	453	421	401	892
<b>TOTAL</b>	<b>72</b>	<b>390</b>	<b>436</b>	<b>441</b>	<b>434</b>	<b>463</b>	<b>422</b>	<b>499</b>	<b>459</b>	<b>432</b>	<b>380</b>	<b>453</b>	<b>421</b>	<b>401</b>	<b>3</b>

\*SP indicates post graduate special education students counted separately by DESE October enrollment

NPS also has 77 Out of District students with special needs paid for by the district. The DESE excludes out of district placements from District enrollment.

**Preliminary October 1, 2020 Enrollment**  
**ELEMENTARY ENROLLMENT (by grade and school)**

Grade	Broadmeadow	Eliot	Mitchell	Newman	Williams	Total	# cls	Av Cl sz	FTE
k	21	23	17	20	20				
k	21	23	17	20	21				
k	22	24	18	20	21				
k	22		18	20	21				
k				21		410	20	20.50	20
1	21	23	17	21	21				
1	21	24	18	21	22				
1	22	24	18	21	22				
1	22		18	21	22				
1				21		420	20	21.00	20
2	21	17	21	21	20				
2	21	17	21	21	21				
2	21	18	21	21	21				
2	21	18	22	21	21				
2	21			21		448	22	20.36	22
3	21	19	17	20	23				
3	21	19	18	20	23				
3	22	19	18	20	23				
3	22	20	18	20	24				
3				20		448	22	20.36	22
3				21					
4	24	21	22	19	23				
4	24	21	22	19	23				
4	24	21	22	20	24				
4	24		23	20	24				
4				20		440	20	22.00	20
5	24	24	23	21	23				
5	24	25	24	21	23				
5	25	25	24	22	23				
5	25		24	22	24				
5				22		468	20	23.40	20
<b>TOTALS FOR NEEDHAM SCHOOL SYSTEM</b>									
	<b>Broadmeadow</b>	<b>Eliot</b>	<b>Mitchell</b>	<b>Newman</b>	<b>Williams</b>	<b>Total</b>	<b># cls</b>	<b>Av Cl sz</b>	<b>FTE</b>
<b>Total Student</b>	557	425	481	638	533	2,634	124	21.24	124.00
<b>Total Section</b>	25	20	24	31	24		124		

5 LBC Eliot 4th grade  
7 LBC Eliot 5th grade

	Pre-K	K	1	2	3	4	5	6	7	8	9	10	11	12	SP*
Preschool	72														
Broadmeadow		86	86	105	86	96	98								72
Eliot		70	71	70	77	63	74								557
Williams		83	87	83	93	94	93								425
Mitchell		70	71	85	71	89	95								533
Newman		101	105	105	121	98	108								481
High Rock								430							638
Pollard									504	451					430
High School											436	376	448	417	955
<b>TOTAL</b>	72	410	420	448	448	440	468	430	504	451	436	376	448	417	3
															1,680
															3
															5,771

\*SP indicates post graduate special education students counted separately by DESE October enrollment  
NPS also has 71 Out of District students with special needs paid for by the district. The DESE excludes out of district placements from District enrollment.



# NEEDHAM PUBLIC SCHOOLS

ASSISTANT SUPERINTENDENT FOR FINANCE & OPERATIONS  
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December 10, 2019

To: Needham School Committee  
From: Anne Gulati Director of Financial Operations  
RE: FY 21-35 *Final* Enrollment Projection

Recently, McKibben Demographic Associates issued final enrollment projections for the fifteen-year period of FY 2020/21 – 2034/35. These projections update the preliminary estimates developed in November, 2019 and were developed according to the Memorandum of Understanding between Boards, which called for prior consultation with the Board of Selectmen and Finance Committee prior to the development of the projections. These results reflect the official October 1, 2019 enrollment counts.

### Summary of Results:

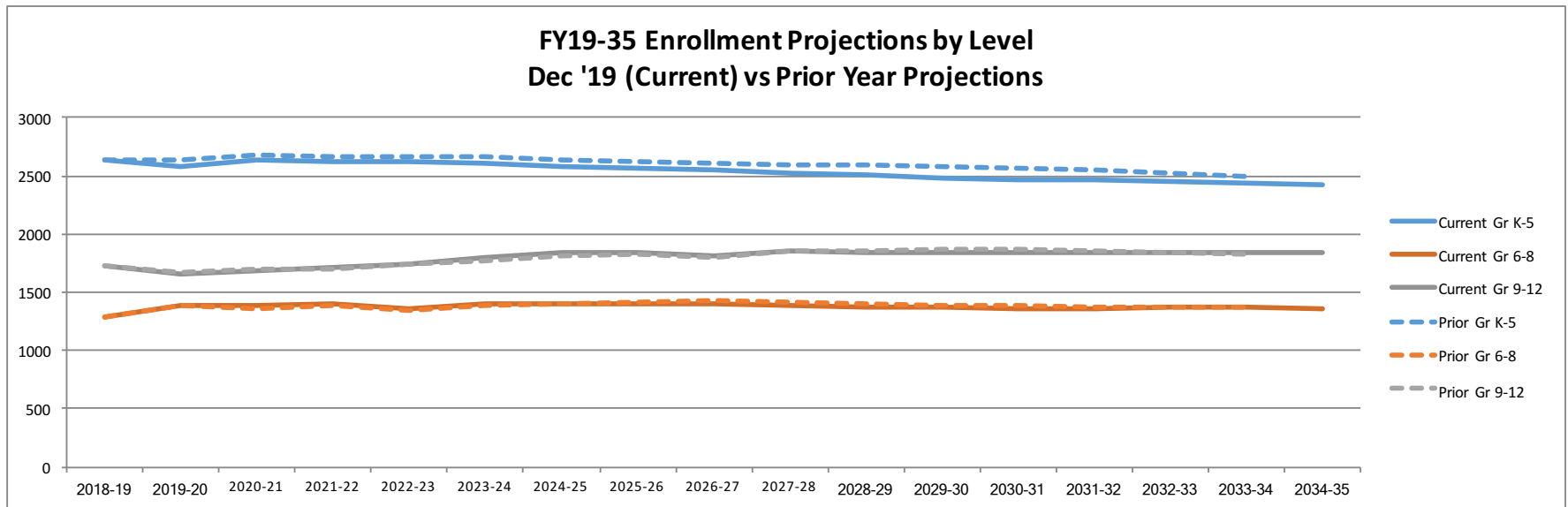
The updated results, which are depicted in the charts on the following pages, reflect the following broad observations:

- Over the next fifteen years, K-12 enrollment is projected to remain relatively flat, but decline slightly, at a rate of about (0.01%/year (or 0.12% overall), to approximately 5,628 pupils by September 2034. This projection differs from last year, which was for slight growth overall, at a rate of about 0.06%/year (or 0.9% overall.)
- Although the long-term trend continues to be for 'level enrollment,' the short term will continue to be characterized by a rapid increase in the school population, followed by a rapid decrease in population. According to the projections, K-12 enrollment will grow from the current level of 5,635 to a peak of 5,821 students in the 2024/25 School Year, and then decline to 5,628 by 2034/35. The period where enrollment is increasing will add 186 anticipated new students to the system. During the declining enrollment period, Needham will lose an estimated 193 students.
- The K-12 enrollment projection for FY21 is for an additional 64 students, or 5,699 students overall. This projection reflects 48 more elementary students, six fewer middle students and 22 more students at Needham High School. The changes at the secondary level reflect

the current year classes moving through the system. Also noteworthy, the 2020/21 school year begins the march of high school students toward a peak Grade 9-12 enrollment of 1,860 in 2027/28.

Needham Public Schools K-12 Total Enrollment by Level: FY20-35																									
McKibben Demographics																					Cum Change	Cum Change	Cum Change		
Dec-19 Best Series	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	FY20-35	FY20-25	FY25-35
<b>Enrollment</b>																									
Gr K-5	2,559	2,522	2,542	2,552	2,593	2,641	2,586	2,634	2,618	2,618	2,605	2,584	2,572	2,547	2,525	2,504	2,485	2,472	2,461	2,448	2,432	2,428	(158)	(2)	(156)
Gr 6-8	1,298	1,312	1,290	1,297	1,304	1,282	1,391	1,385	1,405	1,361	1,401	1,399	1,401	1,398	1,385	1,380	1,374	1,363	1,365	1,369	1,371	1,364	(27)	8	(35)
Gr 9-12	1,582	1,631	1,672	1,659	1,685	1,722	1,658	1,680	1,707	1,749	1,796	1,838	1,843	1,815	1,860	1,842	1,846	1,847	1,837	1,840	1,835	1,836	178	180	(2)
<b>Total</b>	<b>5,439</b>	<b>5,465</b>	<b>5,504</b>	<b>5,508</b>	<b>5,582</b>	<b>5,645</b>	<b>5,635</b>	<b>5,699</b>	<b>5,730</b>	<b>5,728</b>	<b>5,802</b>	<b>5,821</b>	<b>5,816</b>	<b>5,760</b>	<b>5,770</b>	<b>5,726</b>	<b>5,705</b>	<b>5,682</b>	<b>5,663</b>	<b>5,657</b>	<b>5,638</b>	<b>5,628</b>	<b>(7)</b>	<b>186</b>	<b>(193)</b>
<b>Annual Inc/(Dec)</b>																									
Gr K-5	40	(37)	20	10	41	48	(55)	48	(16)	-	(13)	(21)	(12)	(25)	(22)	(21)	(19)	(13)	(11)	(13)	(16)	(4)			
Gr 6-8	(15)	14	(22)	7	7	(22)	109	(6)	20	(44)	40	(2)	2	(3)	(13)	(5)	(6)	(11)	2	4	2	(7)			
Gr 9-12	20	49	41	(13)	26	37	(64)	22	27	42	47	42	5	(28)	45	(18)	4	1	(10)	3	(5)	1			
<b>Total</b>	<b>45</b>	<b>26</b>	<b>39</b>	<b>4</b>	<b>74</b>	<b>63</b>	<b>(10)</b>	<b>64</b>	<b>31</b>	<b>(2)</b>	<b>74</b>	<b>19</b>	<b>(5)</b>	<b>(56)</b>	<b>10</b>	<b>(44)</b>	<b>(21)</b>	<b>(23)</b>	<b>(19)</b>	<b>(6)</b>	<b>(19)</b>	<b>(10)</b>			

- The enrollment patterns by level will follow a familiar theme. Over the next fifteen years, elementary enrollment is projected to decline, driven by the Town’s declining birth rate, albeit more rapidly than previously predicted. Middle and high school enrollment will remain strong, as the existing classes of 400+ students cycle through the system.



- As the charts and graphs illustrate, the anticipated decline in elementary enrollment will happen more rapidly than previously anticipated, given updated assumptions around existing home sales. For the current (2019) series projections, existing home sales are held constant at a minimum of 230 per year, versus 250 in the 2018 series. According to McKibben, the past twelve months saw a decline in home sales, particularly in the Broadmeadow, Mitchell and Newman neighborhoods, as well as slightly smaller household sizes, overall. McKibben indicates that this could signal a trend toward empty nester homeowners 'staying put' longer in their homes, and deciding not to sell. Since Needham relies heavily on in-migration to maintain population, reducing the assumed rate of existing home sales is projected to lead to slower or declining enrollment growth over time.

Needham Public Schools PreK-12 Total Enrollment by Level: Current (Dec '2019) v. Prior Year (2018) Projection																												
McKibben Demographics	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	Cum Change FY20-34	Cum Change FY20-25	Cum Change FY25-34			
<b>Current (2019)</b>																												
PreK	84	82	82	80	82	83	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	-	-	-	
Gr K-5	2,559	2,522	2,542	2,552	2,593	2,641	2,586	2,634	2,618	2,618	2,605	2,584	2,572	2,547	2,525	2,504	2,485	2,472	2,461	2,448	2,432				(154)	(2)	(152)	
Gr 6-8	1,298	1,312	1,290	1,297	1,304	1,282	1,391	1,385	1,405	1,361	1,401	1,399	1,401	1,398	1,385	1,380	1,374	1,363	1,365	1,369	1,371				(20)	8	(28)	
Gr 9-12	1,582	1,631	1,672	1,659	1,685	1,722	1,658	1,680	1,707	1,749	1,796	1,838	1,843	1,815	1,860	1,842	1,846	1,847	1,837	1,840	1,835				177	180	(3)	
PreK-Total	5,523	5,547	5,586	5,588	5,664	5,728	5,707	5,771	5,802	5,800	5,874	5,893	5,888	5,832	5,842	5,798	5,777	5,754	5,735	5,729	5,710				3	186	(183)	
<b>Prior (2018)</b>																												
PreK	84	82	82	80	82	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	83	-	-	-	
Gr K-5	2,559	2,522	2,542	2,552	2,593	2,641	2,633	2,675	2,661	2,667	2,663	2,640	2,619	2,606	2,597	2,596	2,587	2,569	2,547	2,518	2,492				(141)	7	(148)	
Gr 6-8	1,298	1,312	1,290	1,297	1,304	1,282	1,381	1,362	1,389	1,346	1,391	1,400	1,420	1,428	1,409	1,397	1,385	1,385	1,379	1,379	1,374				(7)	19	(26)	
Gr 9-12	1,582	1,631	1,672	1,659	1,685	1,722	1,670	1,693	1,702	1,746	1,769	1,808	1,824	1,797	1,856	1,859	1,874	1,857	1,874	1,857	1,840	1,828				158	138	20
PreK-Total	5,523	5,547	5,586	5,588	5,664	5,728	5,767	5,813	5,835	5,842	5,906	5,931	5,946	5,914	5,945	5,935	5,929	5,911	5,866	5,820	5,777				10	164	(154)	
<b>Variance</b>																												
PreK	-	-	-	-	-	-	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)	(11)				
Gr 1-5	-	-	-	-	-	-	(47)	(41)	(43)	(49)	(58)	(56)	(47)	(59)	(72)	(92)	(102)	(97)	(86)	(70)	(60)							
Gr 6-8	-	-	-	-	-	-	10	23	16	15	10	(1)	(19)	(30)	(24)	(17)	(11)	(22)	(14)	(10)	(3)							
Gr 9-12	-	-	-	-	-	-	(12)	(13)	5	3	27	30	19	18	4	(17)	(28)	(27)	(20)	-	7							
PreK-Total	-	-	-	-	-	-	(60)	(42)	(33)	(42)	(32)	(38)	(58)	(82)	(103)	(137)	(152)	(157)	(131)	(91)	(67)							

- The 'best' enrollment projection also reflects the impact of the two newly-built residential housing complexes in Needham: the Modera (at 700 Greendale Avenue in the Broadmeadow District) and the Kendrick (at 275 2nd Avenue in the Eliot District.) According to the leasing offices at both locations, the Modera fully opened for occupancy in January 2019 and is now 87% occupied, while the Kendrick fully opened for occupancy in July 2018 and is now 50% occupied. In addition, the 'best' projection includes a new 16-unit housing complex under Town review, at 1180 Great Plan Avenue, in the Newman district. This development would convert a retirement home to eight one-bedroom units and eight two-bedroom units. (This unit is projected to come on line and generate students in 2023.) These new developments are incorporated into the 'best' enrollment projections. Given the fact that both the Kendrick and Modera fully opened for

occupancy later than McKibben had originally anticipated (in July 2017), the full enrollment impact of these two developments is now extended to 2024/25.

Variance Between Preliminary (Nov '19) and Final (Dec '19) Enrollment Projections:

Needham Public Schools PreK-12 Total Enrollment by Level: Final (Dec '19) 2019 v Preliminary 2019 (Nov '19) Projections																										
McKibben Demographics	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35	Cum Change FY20-35	Cum Change FY20-25	Cum Change FY25-35	
<b>Final (2019)</b>																										
PreK	84	82	82	80	82	83	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	-	-	-
Gr K-5	2,559	2,522	2,542	2,552	2,593	2,641	2,586	2,634	2,618	2,618	2,605	2,584	2,572	2,547	2,525	2,504	2,485	2,472	2,461	2,448	2,432	2,428	(158)	(2)	(156)	
Gr 6-8	1,298	1,312	1,290	1,297	1,304	1,282	1,391	1,385	1,405	1,361	1,401	1,399	1,401	1,398	1,385	1,380	1,374	1,363	1,365	1,369	1,371	1,364	(27)	8	(35)	
Gr 9-12	1,582	1,631	1,672	1,659	1,685	1,722	1,658	1,680	1,707	1,749	1,796	1,838	1,843	1,815	1,860	1,842	1,846	1,847	1,837	1,840	1,835	1,836	178	180	(2)	
PreK-Total	5,523	5,547	5,586	5,588	5,664	5,728	5,707	5,771	5,802	5,800	5,874	5,893	5,888	5,832	5,842	5,798	5,777	5,754	5,735	5,729	5,710	5,700	(7)	186	(193)	
<b>Preliminary (2019)</b>																										
PreK	84	82	82	80	82	83	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	75	-	-	-	
Gr K-5	2,559	2,522	2,542	2,552	2,593	2,641	2,587	2,634	2,618	2,618	2,605	2,584	2,572	2,547	2,525	2,504	2,485	2,472	2,461	2,448	2,432	2,428	(159)	(3)	(156)	
Gr 6-8	1,298	1,312	1,290	1,297	1,304	1,282	1,392	1,385	1,405	1,361	1,401	1,399	1,401	1,398	1,385	1,380	1,374	1,363	1,365	1,369	1,371	1,364	(28)	7	(35)	
Gr 9-12	1,582	1,631	1,672	1,659	1,685	1,722	1,663	1,684	1,711	1,753	1,800	1,841	1,846	1,818	1,863	1,845	1,849	1,850	1,840	1,843	1,838	1,839	176	178	(2)	
PreK-Total	5,523	5,547	5,586	5,588	5,664	5,728	5,717	5,778	5,809	5,807	5,881	5,899	5,894	5,838	5,848	5,804	5,783	5,760	5,741	5,735	5,716	5,706	(11)	182	(193)	
<b>Variance</b>																										
PreK	-	-	-	-	-	-	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)				
Gr 1-5	-	-	-	-	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Gr 6-8	-	-	-	-	-	-	(1)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Gr 9-12	-	-	-	-	-	-	(5)	(4)	(4)	(4)	(4)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)				
PreK-Total	-	-	-	-	-	-	(10)	(7)	(7)	(7)	(7)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)	(6)				

The final projections have been updated to reflect the official October 1, 2019 enrollment projections. The two series are virtually identical, with minor adjustments only to the count of preschool and post-graduate special education students receiving services through Needham High School.

Best - Low - High Projections:

Needham Public Schools PreK-12 Total Enrollment, Dec '19: LOW - BEST - HIGH Projection																							
McKibben Demographics		2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
Dec-19 Projections		2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
LOW SERIES		5,523	5,547	5,586	5,588	5,664	5,728	5,707	5,771	5,802	5,800	5,872	5,888	5,880	5,821	5,830	5,785	5,764	5,743	5,725	5,721	5,705	5,698
BEST SERIES		5,523	5,547	5,586	5,588	5,664	5,728	5,707	5,771	5,802	5,800	5,874	5,893	5,888	5,832	5,842	5,798	5,777	5,754	5,735	5,729	5,710	5,700
Inc/(Dec) Over Low		-	-	-	-	-	-	-	-	-	-	2	5	8	11	12	13	13	11	10	8	5	2
HIGH SERIES		5,523	5,547	5,586	5,588	5,664	5,728	5,707	5,771	5,802	5,800	5,874	5,893	5,891	5,851	5,872	5,841	5,834	5,823	5,809	5,807	5,790	5,777
Inc/(Dec) Over Best		-	-	-	-	-	-	-	-	-	-	-	-	3	19	30	43	57	69	74	78	80	77
Inc/(Dec) Over Low		-	-	-	-	-	-	-	-	-	-	2	5	11	30	42	56	70	80	84	86	85	79

- Consistent with the parameters developed with the Future School Needs Committee, the aforementioned enrollment projection represents a 'best' estimate, which includes only new development that is either under construction or at the review/permitting stage. These new developments include the existing Modera and Kendrick complexes, as well as the 1180 Great Plain project that is currently under review. The low projection, by contrast, includes only existing residential units (including the Kendrick and Modera), and excludes projects not yet built (such as 1180 Great Plain.) The high projection, by contrast, includes all existing and prospective development, including development that is at the conceptual planning stage, such as the 250-unit planned Residential Overlay project in the Eliot neighborhood.
- The above table compares the best, low and high projection series.

Individual School District Projections:

- The district and individual school detail results are presented on the following pages. The school-age population in the Broadmeadow district reflects the (delayed) impact of additional students coming from the Modera development, as well as a slowdown in existing home sales, compared to last year. The Eliot School enrollment reflects the (also delayed) impact of the Kendrick development. The Williams and Mitchell Schools continue previous trends, with a slowdown in existing home sales projected at Mitchell. The Newman projection includes the potential new 1180 Great Plain development, offset by fewer existing home sales. The secondary school projections reflect the impact of existing students moving through the system.

Study Assumptions:

The preliminary projections are based the following general assumptions:

1. The provisional and final 'best' population estimates are based on existing and new development, which is either under construction or at the review/ permitting stage (permitted or about to be permitted.) The 'high' forecast includes additional prospective development in the conceptual planning stages. The 'low' forecast includes only existing housing units.
2. Method of analysis remains cohort-component method of population forecasting.
3. Assumed student generation rates from new development: 1-bdrm: 0 students/ unit; 2-bdrm: 0.1 students/unit; 3-bdrm: 0.15 students/unit.
4. Economic parameters assumed over the life of the forecast: 30-year fixed mortgage interest rate stays below 5%, the metro area unemployment rate stays below 4.5%, existing home sales held constant at a minimum of 230 per year.
5. New development:
  - a. Modera: Opened Jan 2019, Brodmeadow District. 136 Units: 19 1-bedroom, 103 2-bedroom, 14 3-bedroom. Total of 62 students projected over the six-year period FY20-25. Existing construction.
  - b. Kendrick: Opened July 2019, Eliot District. 390 Units: 202 1-bedroom, 149 2-bedroom, 39 3-bedroom. Total of 124.5 students projected over the six-year period FY20-25. Existing construction.
  - c. 1180 Great Plan: 16 Units: 8 1-bedroom, 8 2-bedroom. Total of 8 students projected FY24-FY27. Under Town review.
  - d. Residential Overlay: 250 Units: 125 1-bedroom, 100 2-bedroom, 25 3-bedroom. Total of 82.5 students projected over the six-year period FY26-31. Conceptual development.

ALG/alg  
Attachment(s)

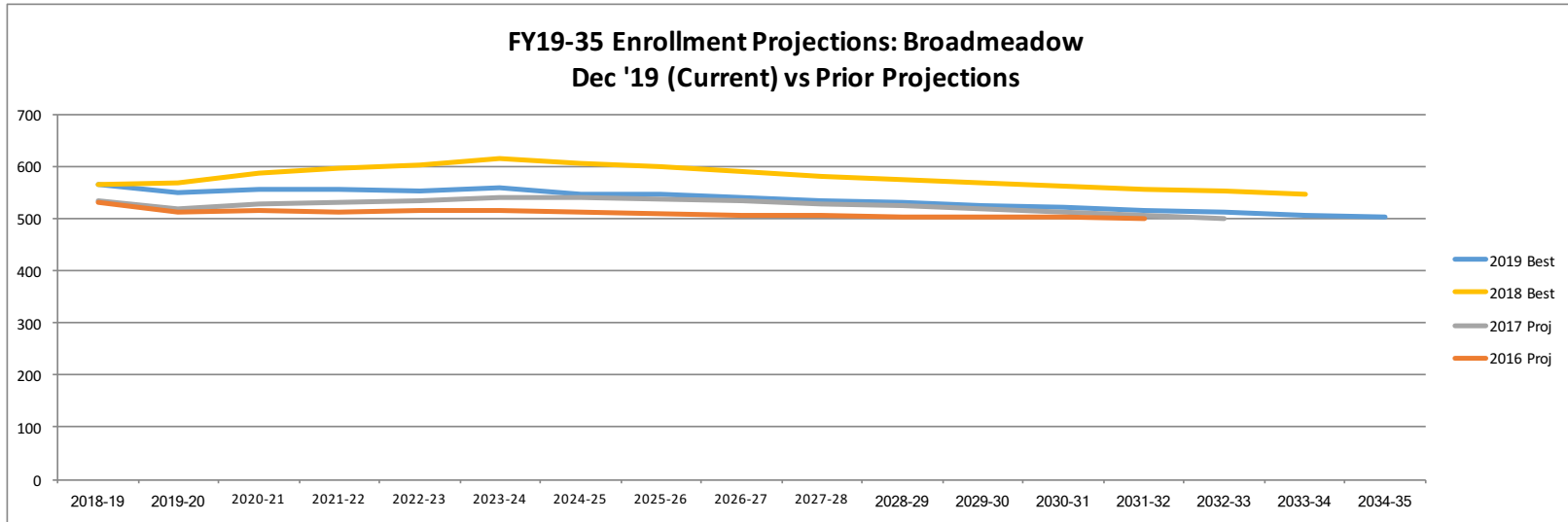


## Needham Public Schools Total Summary

### Needham Public Schools Total Enrollment

DISTRICT McKibben "Best" FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
PK	84	82	82	80	82	83	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72	72
K	406	365	404	369	404	412	390	410	408	404	402	398	395	390	387	382	383	378	376	373	371	380
1	441	449	387	433	411	430	436	420	423	421	417	414	409	406	401	398	392	390	385	383	380	378
2	419	444	471	397	448	434	441	448	433	435	433	429	426	420	418	413	411	406	406	401	399	396
3	413	416	450	473	396	460	434	448	455	439	443	442	438	436	431	429	424	423	420	420	414	412
4	444	409	415	455	481	413	463	440	454	460	445	449	448	442	441	435	435	432	432	429	429	423
5	436	439	415	425	453	492	422	468	445	459	465	452	456	453	447	447	440	443	442	442	439	439
<b>Total: K-5</b>	<b>2,559</b>	<b>2,522</b>	<b>2,542</b>	<b>2,552</b>	<b>2,593</b>	<b>2,641</b>	<b>2,586</b>	<b>2,634</b>	<b>2,618</b>	<b>2,618</b>	<b>2,605</b>	<b>2,584</b>	<b>2,572</b>	<b>2,547</b>	<b>2,525</b>	<b>2,504</b>	<b>2,485</b>	<b>2,472</b>	<b>2,461</b>	<b>2,448</b>	<b>2,432</b>	<b>2,428</b>
6	427	451	451	421	450	450	499	430	477	454	470	477	463	467	464	458	458	453	456	455	455	452
7	467	404	439	445	408	440	460	504	434	482	459	468	475	461	465	462	456	456	455	461	457	457
8	404	457	400	431	446	392	432	451	494	425	472	454	463	470	456	460	460	454	454	453	459	455
<b>Total: 7-8</b>	<b>871</b>	<b>861</b>	<b>839</b>	<b>876</b>	<b>854</b>	<b>832</b>	<b>892</b>	<b>955</b>	<b>928</b>	<b>907</b>	<b>931</b>	<b>922</b>	<b>938</b>	<b>931</b>	<b>921</b>	<b>922</b>	<b>916</b>	<b>910</b>	<b>909</b>	<b>914</b>	<b>916</b>	<b>912</b>
9	414	400	449	416	435	450	380	436	456	499	429	479	461	470	477	461	465	465	461	461	460	466
10	417	418	396	446	414	428	453	376	432	451	494	425	474	456	465	472	456	463	463	459	459	458
11	382	416	407	396	441	404	421	448	372	428	446	489	421	469	451	460	467	454	461	461	457	457
12	363	389	412	401	395	436	401	417	444	368	424	442	484	417	464	446	455	462	449	456	456	452
SP	6	8	8	0	0	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Total: 9-12</b>	<b>1,582</b>	<b>1,631</b>	<b>1,672</b>	<b>1,659</b>	<b>1,685</b>	<b>1,722</b>	<b>1,658</b>	<b>1,680</b>	<b>1,707</b>	<b>1,749</b>	<b>1,796</b>	<b>1,838</b>	<b>1,843</b>	<b>1,815</b>	<b>1,860</b>	<b>1,842</b>	<b>1,846</b>	<b>1,847</b>	<b>1,837</b>	<b>1,840</b>	<b>1,835</b>	<b>1,836</b>
<b>Total: K-12</b>	<b>5,439</b>	<b>5,465</b>	<b>5,504</b>	<b>5,508</b>	<b>5,582</b>	<b>5,645</b>	<b>5,635</b>	<b>5,699</b>	<b>5,730</b>	<b>5,728</b>	<b>5,802</b>	<b>5,821</b>	<b>5,816</b>	<b>5,760</b>	<b>5,770</b>	<b>5,726</b>	<b>5,705</b>	<b>5,682</b>	<b>5,663</b>	<b>5,657</b>	<b>5,638</b>	<b>5,628</b>
<b>Total PreK-12</b>	<b>5,523</b>	<b>5,547</b>	<b>5,586</b>	<b>5,588</b>	<b>5,664</b>	<b>5,728</b>	<b>5,707</b>	<b>5,771</b>	<b>5,802</b>	<b>5,800</b>	<b>5,874</b>	<b>5,893</b>	<b>5,888</b>	<b>5,832</b>	<b>5,842</b>	<b>5,798</b>	<b>5,777</b>	<b>5,754</b>	<b>5,735</b>	<b>5,729</b>	<b>5,710</b>	<b>5,700</b>
<b>Change</b>	47	24	39	2	76	64	-21	64	31	-2	74	19	-5	-56	10	-44	-21	-23	-19	-6	-19	-10
<b>% Change</b>	0.9%	0.4%	0.7%	0.0%	1.4%	1.1%	-0.4%	1.1%	0.5%	0.0%	1.3%	0.3%	-0.1%	-1.0%	0.2%	-0.8%	-0.4%	-0.4%	-0.3%	-0.1%	-0.3%	-0.2%

## Broadmeadow Elementary

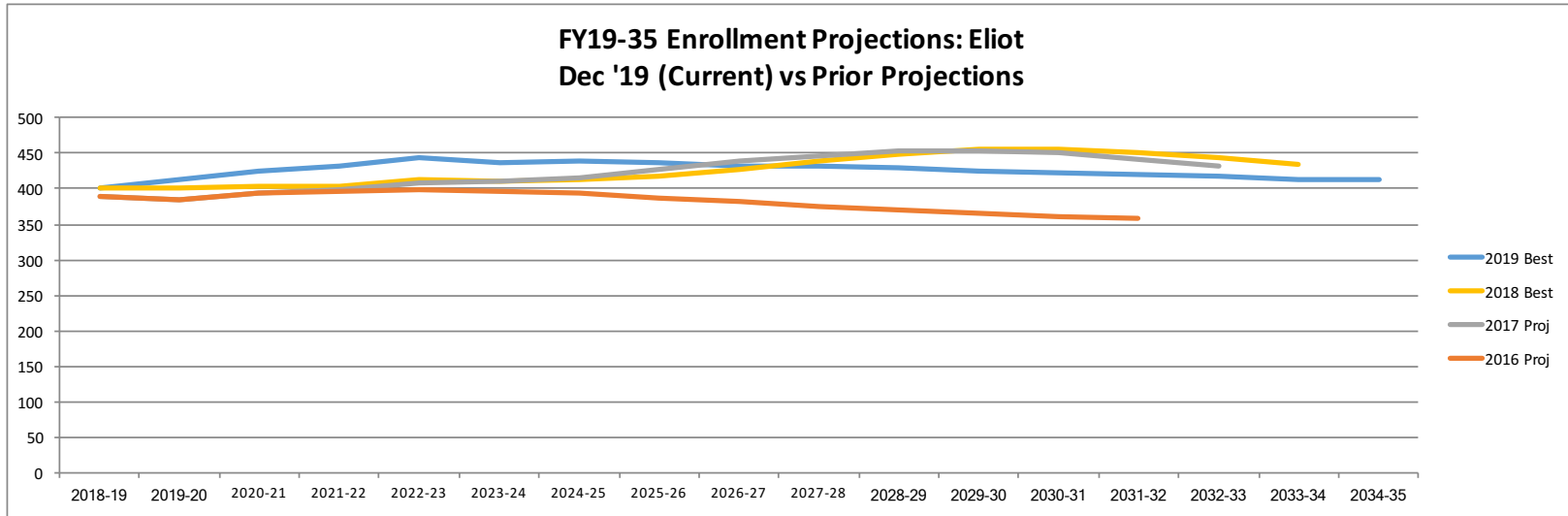


**BROADMEADOW  
McKibben "Best"  
FINAL Dec '19**

	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>K</b>	84	76	81	71	71	97	77	86	86	85	84	84	83	82	81	80	79	79	78	78	77	78
<b>1</b>	108	104	83	89	85	83	102	86	89	89	88	87	87	86	85	84	82	81	81	80	80	79
<b>2</b>	92	106	107	84	90	95	84	105	89	92	92	91	90	90	89	88	87	84	84	84	83	83
<b>3</b>	94	93	104	110	85	96	95	86	107	91	95	95	94	94	94	93	92	90	88	88	87	86
<b>4</b>	120	89	91	107	106	86	97	96	87	108	92	96	96	93	93	93	92	93	91	89	89	88
<b>5</b>	87	113	92	92	106	109	93	98	97	88	109	93	97	95	92	92	92	93	94	92	90	90
<b>Total K-5</b>	585	581	558	553	543	566	548	557	555	553	560	546	547	540	534	530	524	520	516	511	506	504
<b>Change</b>	-3	-4	-23	-5	-10	23	-18	9	-2	-2	7	-14	1	-7	-6	-4	-6	-4	-4	-5	-5	-2
<b>% Change</b>	-0.5%	-0.7%	-4.0%	-0.9%	-1.8%	4.2%	-3.2%	1.6%	-0.4%	-0.4%	1.3%	-2.5%	0.2%	-1.3%	-1.1%	-0.7%	-1.1%	-0.8%	-0.8%	-1.0%	-1.0%	-0.4%

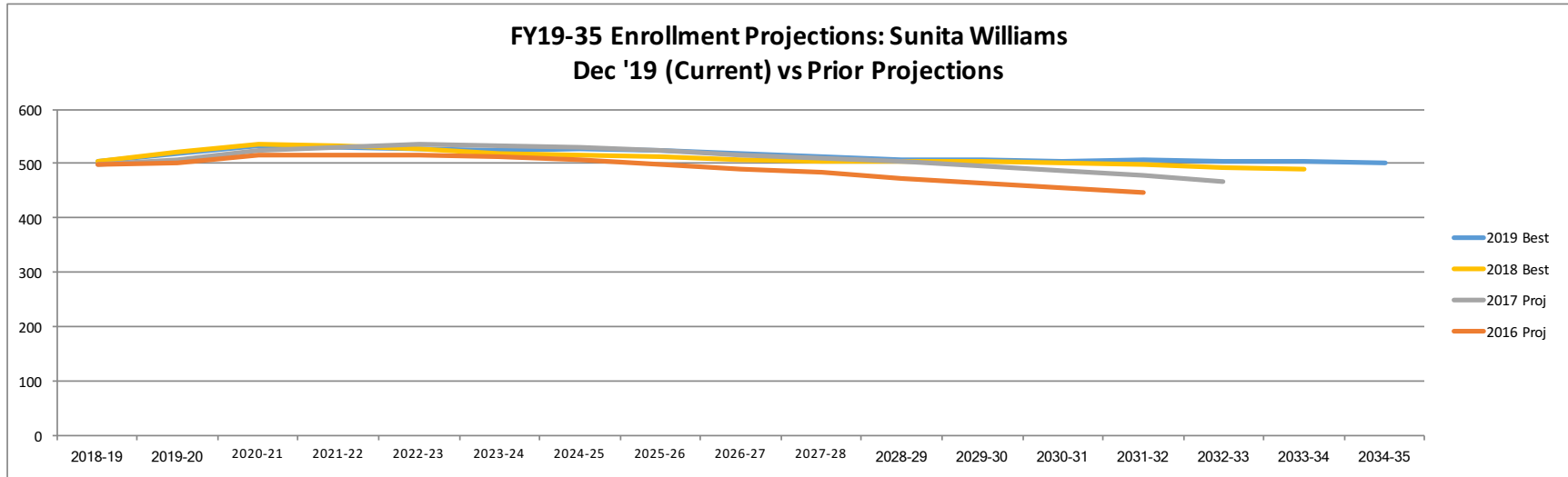
<b>McKibben FINAL Dec '19</b>	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	585	581	558	553	543	566	548	557	555	553	560	546	547	540	534	530	524	520	516	511	506	504
<b>Best</b>	585	581	558	553	543	566	548	557	555	553	560	546	547	540	534	530	524	520	516	511	506	504
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>High</b>	585	581	558	553	543	566	548	557	555	553	560	546	547	540	534	530	524	520	516	511	506	504
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## Eliot Elementary



ELIOT																						
McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>K</b>	58	57	61	57	64	60	64	70	70	69	69	69	69	68	67	66	65	64	64	63	63	65
<b>1</b>	65	67	61	64	58	70	67	71	72	72	71	71	70	70	69	68	67	66	65	65	64	64
<b>2</b>	67	71	73	57	65	59	75	70	74	74	73	72	72	71	72	71	70	70	69	68	68	67
<b>3</b>	61	63	72	73	57	68	61	77	72	75	75	74	73	73	73	74	73	72	72	71	70	70
<b>4</b>	62	67	63	74	75	69	73	63	79	73	76	76	75	74	75	74	75	74	74	74	73	72
<b>5</b>	74	65	65	67	74	76	72	74	64	80	74	77	77	76	75	77	75	77	76	76	76	75
<b>Total: K-5</b>	387	390	395	392	393	402	412	425	431	443	438	439	436	432	431	430	425	423	420	417	414	413
<b>Change</b>	0	3	5	-3	1	9	10	13	6	12	-5	1	-3	-4	-1	-1	-5	-2	-3	-3	-3	-1
<b>% Change</b>	0.0%	0.8%	1.3%	-0.8%	0.3%	2.3%	2.5%	3.2%	1.4%	2.8%	-1.1%	0.2%	-0.7%	-0.9%	-0.2%	-0.2%	-1.2%	-0.5%	-0.7%	-0.7%	-0.7%	-0.2%
<b>McKibben</b>																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	387	390	395	392	393	402	412	425	431	443	438	439	436	432	431	430	425	423	420	417	414	413
<b>Best</b>	387	390	395	392	393	402	412	425	431	443	438	439	436	432	431	430	425	423	420	417	414	413
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>High</b>	387	390	395	392	393	402	412	425	431	443	438	439	439	451	460	469	475	478	471	461	451	442
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	3	19	29	39	50	55	51	44	37	29
													3	16	10	10	11	5	(4)	(7)	(7)	(8)

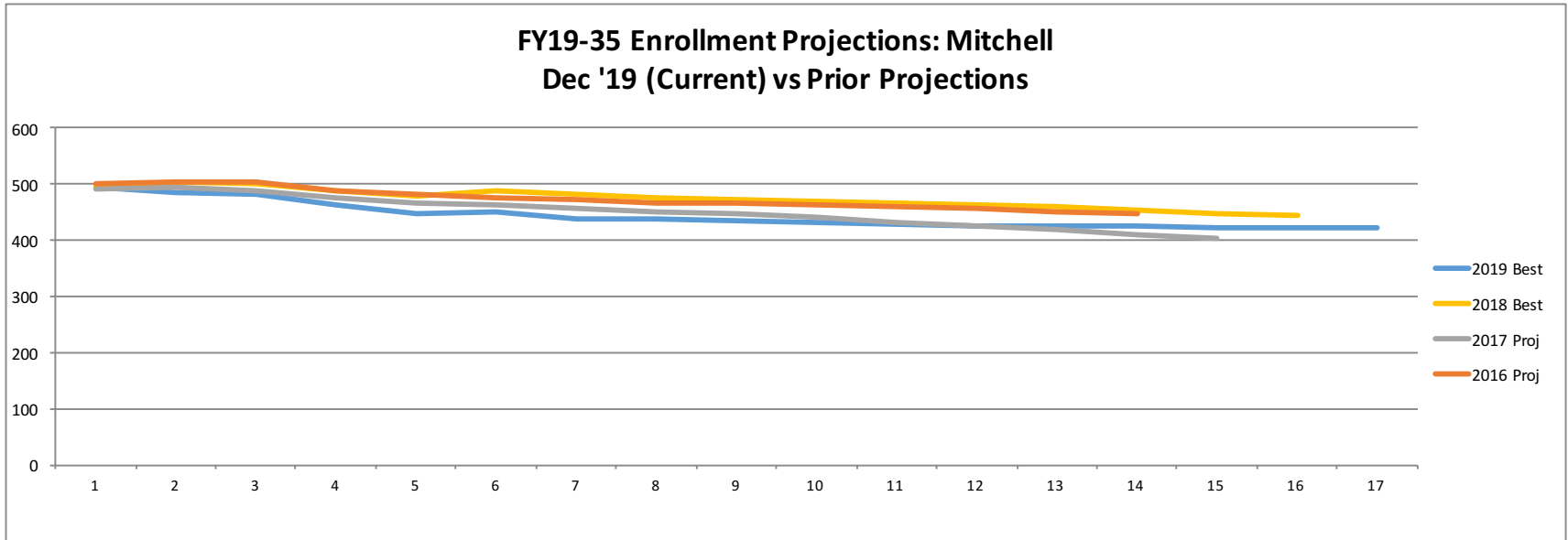
## Williams Elementary



WILLIAMS																						
McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>K</b>	71	57	82	76	83	76	83	83	82	82	82	81	80	79	79	78	78	77	77	76	76	77
<b>1</b>	73	79	62	82	82	86	80	87	86	85	85	84	83	82	81	81	80	80	79	79	78	78
<b>2</b>	72	75	88	71	85	90	92	83	90	89	88	88	87	85	84	83	84	83	83	82	82	81
<b>3</b>	73	72	80	87	72	88	93	93	84	91	90	90	90	89	87	86	85	86	86	86	85	85
<b>4</b>	59	76	76	79	86	76	92	94	94	85	92	91	91	91	90	88	89	88	89	89	89	88
<b>5</b>	81	62	77	77	79	87	78	93	95	95	86	94	93	93	93	92	90	91	92	93	93	93
<b>Total: K-5</b>	429	421	465	472	487	503	518	533	531	527	523	528	524	519	514	508	506	505	506	505	503	502
<b>Change</b>	10	-8	44	7	15	16	15	15	-2	-4	-4	5	-4	-5	-5	-6	-2	-1	1	-1	-2	-1
<b>% Change</b>	2.4%	-1.9%	10.5%	1.5%	3.2%	3.3%	3.0%	2.9%	-0.4%	-0.8%	-0.8%	1.0%	-0.8%	-1.0%	-1.0%	-1.2%	-0.4%	-0.2%	0.2%	-0.2%	-0.4%	-0.2%

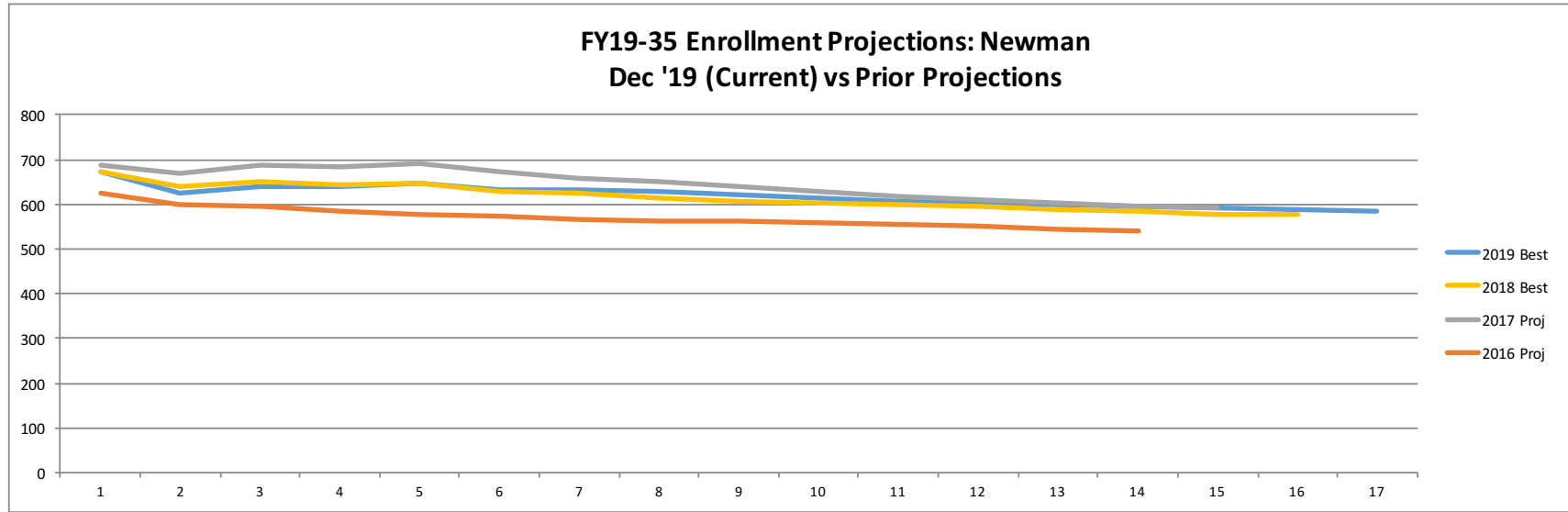
McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	429	421	465	472	487	503	518	533	531	527	523	528	524	519	514	508	506	505	506	505	503	502
<b>Best</b>	429	421	465	472	487	503	518	533	531	527	523	528	524	519	514	508	506	505	506	505	503	502
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>High</b>	429	421	465	472	487	503	518	533	531	527	523	528	524	519	514	508	506	505	506	505	503	502
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## Mitchell Elementary



MITCHELL																						
McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
K	74	78	82	77	68	78	65	70	70	69	69	68	68	67	67	66	67	66	66	65	65	68
1	88	75	79	91	85	69	83	71	72	72	71	71	70	70	69	69	68	68	67	67	66	66
2	79	86	79	82	92	88	70	85	72	73	74	73	73	72	72	71	71	71	71	70	70	69
3	87	78	89	80	84	94	88	71	86	73	74	75	74	74	73	73	72	73	73	73	72	72
4	88	87	78	89	79	86	94	89	72	87	74	75	76	75	75	74	74	73	74	74	74	73
5	82	86	86	76	90	81	84	95	90	73	88	75	76	77	76	76	75	75	74	75	75	75
<b>Total K-5</b>	498	490	493	495	498	496	484	481	462	447	450	437	437	435	432	429	427	426	425	424	422	423
<b>Change</b>	3	-8	3	2	3	-2	-12	-3	-19	-15	3	-13	0	-2	-3	-3	-2	-1	-1	-1	-2	1
<b>% Change</b>	0.6%	-1.6%	0.6%	0.4%	0.6%	-0.4%	-2.4%	-0.6%	-4.0%	-3.2%	0.7%	-2.9%	0.0%	-0.5%	-0.7%	-0.7%	-0.5%	-0.2%	-0.2%	-0.2%	-0.5%	0.2%
McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
Low	498	490	493	495	498	496	484	481	462	447	450	437	437	435	432	429	427	426	425	424	422	423
Best	498	490	493	495	498	496	484	481	462	447	450	437	437	435	432	429	427	426	425	424	422	423
Inc/(Dec) Over Low	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
High	498	490	493	495	498	496	484	481	462	447	450	437	437	435	432	429	427	426	425	424	422	423
Inc/(Dec) Over Best	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

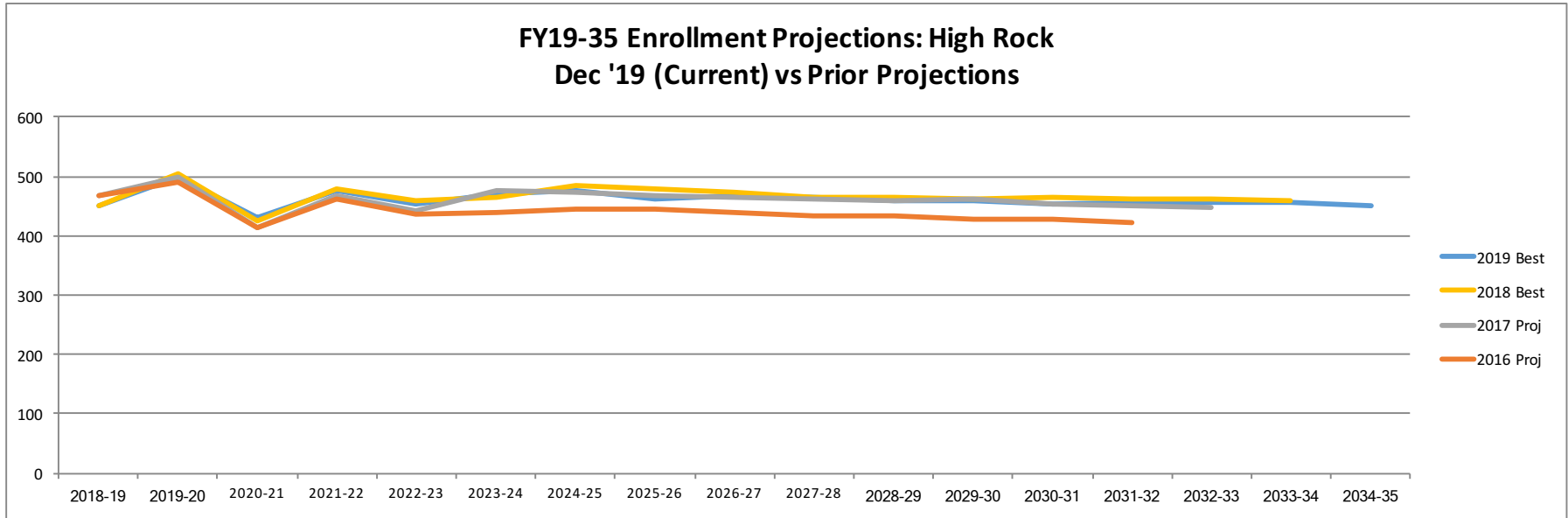
## Newman Elementary



NEWMAN McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
K	119	97	98	88	118	101	101	101	100	99	98	96	95	94	93	92	94	92	91	91	90	92
1	107	124	102	107	101	122	104	105	104	103	102	101	99	98	97	96	95	95	93	92	92	91
2	109	106	124	103	116	102	120	105	108	107	106	105	104	102	101	100	99	98	99	97	96	96
3	98	110	105	123	98	114	97	121	106	109	109	108	107	106	104	103	102	102	101	102	100	99
4	115	90	107	106	135	96	107	98	122	107	111	111	110	109	108	106	105	104	104	103	104	102
5	112	113	95	113	104	139	95	108	99	123	108	113	113	112	111	110	108	107	106	106	105	106
<b>Total K-5</b>	660	640	631	640	672	674	624	638	639	648	634	634	628	621	614	607	603	598	594	591	587	586
<b>Change</b>	30	-20	-9	9	32	2	-50	14	1	9	-14	0	-6	-7	-7	-7	-4	-5	-4	-3	-4	-1
<b>% Change</b>	4.8%	-3.0%	-1.4%	1.4%	5.0%	0.3%	-7.4%	2.2%	0.2%	1.4%	-2.2%	0.0%	-0.9%	-1.1%	-1.1%	-1.1%	-0.7%	-0.8%	-0.7%	-0.5%	-0.7%	-0.2%

McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	660	640	631	640	672	674	624	638	639	648	632	629	621	613	607	602	600	597	594	591	587	585
<b>Best</b>	660	640	631	640	672	674	624	638	639	648	634	634	628	621	614	607	603	598	594	591	587	586
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	2	5	7	8	7	5	3	1	-	-	-	1
<b>High</b>	660	640	631	640	672	674	624	638	639	648	634	634	628	621	614	607	603	598	594	591	587	586
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

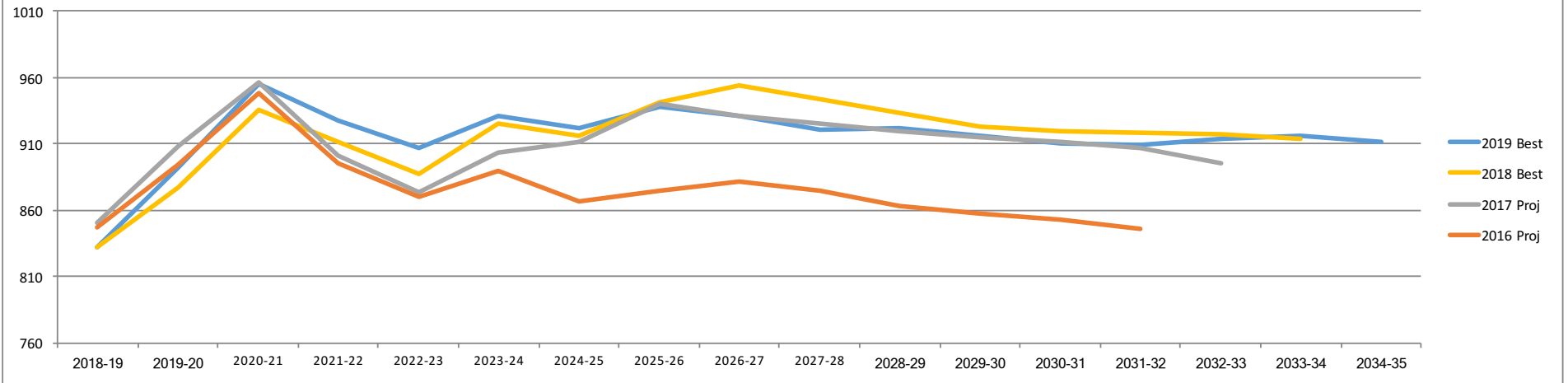
## High Rock Middle



HIGH ROCK																						
McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
6	427	451	451	421	450	450	499	430	477	454	470	477	463	467	464	458	458	453	456	455	455	452
<b>Total: 6</b>	427	451	451	421	450	450	499	430	477	454	470	477	463	467	464	458	458	453	456	455	455	452
<b>Change</b>	-55	24	0	-30	29	0	49	-69	47	-23	16	7	-14	4	-3	-6	0	-5	3	-1	0	-3
<b>% Change</b>	-11.4%	5.6%	0.0%	-6.7%	6.9%	0.0%	10.9%	-13.8%	10.9%	-4.8%	3.5%	1.5%	-2.9%	0.9%	-0.6%	-1.3%	0.0%	-1.1%	0.7%	-0.2%	0.0%	-0.7%
McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
Low	427	451	451	421	450	450	499	430	477	454	470	477	462	465	462	455	456	453	456	456	456	454
Best	427	451	451	421	450	450	499	430	477	454	470	477	463	467	464	458	458	453	456	455	455	452
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	2	-	-	(1)	(1)	(2)
High	427	451	451	421	450	450	499	430	477	454	470	477	463	467	465	461	461	460	465	466	464	458
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	3	7	9	11	9	6

## Pollard Middle

### FY19-35 Enrollment Projections: Pollard Dec '19 (Current) vs Prior Projections

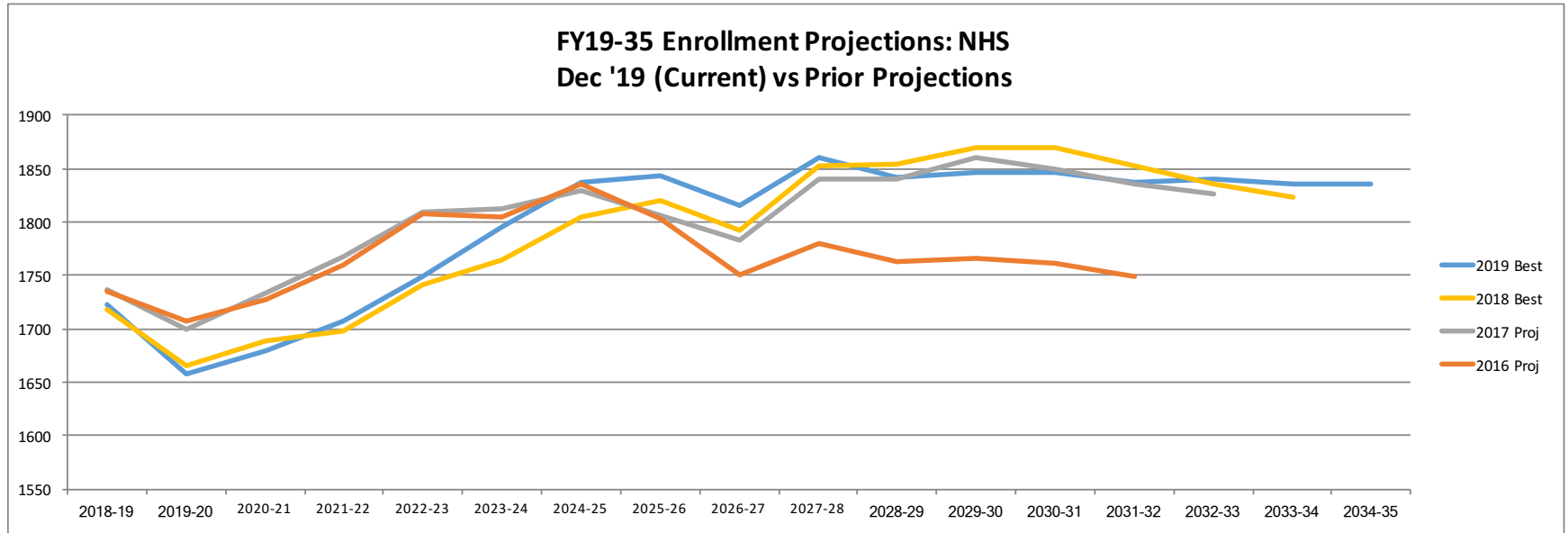


POLLARD McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
7	467	404	439	445	408	440	460	504	434	482	459	468	475	461	465	462	456	456	455	461	457	457
8	404	457	400	431	446	392	432	451	494	425	472	454	463	470	456	460	460	454	454	453	459	455
<b>Total: 7-8</b>	871	861	839	876	854	832	892	955	928	907	931	922	938	931	921	922	916	910	909	914	916	912
<b>Change</b>	40	-10	-22	37	-22	-22	60	63	-27	-21	24	-9	16	-7	-10	1	-6	-6	-1	5	2	-4
<b>% Change</b>	4.8%	-1.1%	-2.6%	4.4%	-2.5%	-2.6%	7.2%	7.1%	-2.8%	-2.3%	2.6%	-1.0%	1.7%	-0.7%	-1.1%	0.1%	-0.7%	-0.7%	-0.1%	0.6%	0.2%	-0.4%

McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	871	861	839	876	854	832	892	955	928	907	931	922	938	930	918	918	911	905	907	914	917	914
<b>Best</b>	871	861	839	876	854	832	892	955	928	907	931	922	938	931	921	922	916	910	909	914	916	912
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	4	5	5	2	-	(1)	(2)
<b>High</b>	871	861	839	876	854	832	892	955	928	907	931	922	938	931	921	923	920	916	919	930	936	932
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	6	10	16	20	20



## Needham High



NHS																						
McKibben "Best"																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
9	414	400	449	416	435	450	380	436	456	499	429	479	461	470	477	461	465	465	461	461	460	466
10	417	418	396	446	414	428	453	376	432	451	494	425	474	456	465	472	456	463	463	459	459	458
11	382	416	407	396	441	404	421	448	372	428	446	489	421	469	451	460	467	454	461	461	457	457
12	363	389	412	401	395	436	401	417	444	368	424	442	484	417	464	446	455	462	449	456	456	452
Post Grad	6	8	8	0	0	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
<b>Total: 9-12</b>	1582	1631	1672	1659	1685	1722	1658	1680	1707	1749	1796	1838	1843	1815	1860	1842	1846	1847	1837	1840	1835	1836
<b>Change</b>	20	49	41	-13	26	37	-64	22	27	42	47	42	5	-28	45	-18	4	1	-10	3	-5	1
<b>% Change</b>	1.3%	3.1%	2.5%	-0.8%	1.6%	2.2%	-3.7%	1.3%	1.6%	2.5%	2.7%	2.3%	0.3%	-1.5%	2.5%	-1.0%	0.2%	0.1%	-0.5%	0.2%	-0.3%	0.1%

McKibben																						
FINAL Dec '19	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	2033-34	2034-35
<b>Low</b>	1582	1631	1672	1659	1685	1722	1658	1677	1704	1746	1793	1835	1840	1812	1857	1838	1840	1839	1826	1828	1825	1828
<b>Best</b>	1582	1631	1672	1659	1685	1722	1658	1680	1707	1749	1796	1838	1843	1815	1860	1842	1846	1847	1837	1840	1835	1836
<b>Inc/(Dec) Over Low</b>	-	-	-	-	-	-	-	3	3	3	3	3	3	3	3	4	6	8	11	12	10	8
<b>High</b>	1582	1631	1672	1659	1685	1722	1658	1677	1704	1746	1793	1835	1840	1812	1857	1839	1843	1845	1838	1844	1846	1855
<b>Inc/(Dec) Over Best</b>	-	-	-	-	-	-	-	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(3)	(2)	1	4	11	19



**Daniel E. Gutekanst, Ed. D.  
Superintendent of Schools**

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Date: November 15, 2019  
To: School Committee  
From: Dan Gutekanst  
Re: Class Size Reports

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As of October 1, 2019, total PreK-12 student enrollment is 5,706 students.

The enclosed 2019 School Enrollment and Class Size Report is organized in two parts:

- The first part includes a summary of enrollment and class size information in grades PreK-12. This portion of the report provides an overview of elementary class size sections, an overview of middle school class sizes in academic and elective classes, and an overview, by level and grade, of high school class sizes.
- The second part of this report includes additional information about specific class sizes in High Rock, Pollard, and the high school. The Needham High School report also includes trend data and historical class size information.

I am happy to answer any questions you may have.

## Needham Public Schools

**October 1, 2019 Enrollment**

**ELEMENTARY ENROLLMENT (by grade and school)**

Grade	Broadmeadow	Eliot	Mitchell	Newman	Williams	Total	# cls	Av Cl sz	FTE
k	19	22	16	20	20	390	20	19.50	20
k	19	21	16	21	22				
k	20	21	16	21	20				
k	19		17	21	21				
k				18					
1	20	22	19	20	19	436	21	20.76	21
1	20	22	21	21	21				
1	20	23	22	21	20				
1	21		21	21	20				
1	21			21					
2	22	19	18	21	23	441	22	20.05	22
2	21	19	17	21	22				
2	21	19	18	19	23				
2	20	18	17	18	24				
2				21					
3	24	21	23	19	25	434	20	21.70	20
3	23	20	22	19	23				
3	24	20	21	22	23				
3	24		22	19	22				
3				18					
4	25	23	23	20	24	463	20	23.15	20
4	24	27	24	22	24				
4	24	23	23	22	22				
4	24		24	22	22				
4				21					
5	23	22	21	19	19	422	20	21.10	20
5	24	22	21	19	20				
5	23	28	21	19	20				
5	23		21	19	19				
5				19					
	<b>Broadmeadow</b>	<b>Eliot</b>	<b>Mitchell</b>	<b>Newman</b>	<b>Williams</b>	<b>Total</b>	<b># cls</b>	<b>Av Cl sz</b>	<b>FTE</b>
<b>Total Students</b>	<b>548</b>	<b>412</b>	<b>484</b>	<b>624</b>	<b>518</b>	<b>2,586</b>	<b>123</b>	<b>21.02</b>	<b>123.00</b>
<b>Total Sections</b>	<b>25</b>	<b>19</b>	<b>24</b>	<b>31</b>	<b>24</b>		<b>123</b>		

Average Class Size Elementary Grades K-5 21.02

# Middle School (High Rock and Pollard)

## Middle School Class Size 2019-2020 by Subject and Grade

COURSES	GRADE LEVEL	NUMBER OF SECTIONS	AVERAGE SIZE	MINIMUM	MAXIMUM	UNDER 15	15-25	OVER 25
ART	06	20	22.70	19	26	0	19	1
	07	36	16.22	12	21	8	28	0
	08	54	22.50	16	25	0	54	0
ELL	06	2	3.50	3	4	2	0	0
	07	2	6.00	5	7	2	0	0
	08	1	2.00	2	2	1	0	0
ENGLISH	06	33	16.21	2	27	13	15	5
	07	21	21.86	11	26	1	19	1
	08	21	20.43	4	26	1	19	1
Average Class Size 6-8			19.50					
MATH	06	23	21.61	5	27	3	15	5
	07	25	19.40	1	27	5	18	2
	08	22	19.86	3	29	3	15	4
Average Class Size 6-8			20.29					
MUSIC	06	40	20.60	9	31	1	37	2
	07	19	20.16	12	37	8	6	5
	08	18	20.72	15	27	0	17	1
SCIENCE	06	23	21.61	1	27	3	15	5
	07	39	23.08	19	26	0	37	2
	08	42	20.17	13	24	2	40	0
Average Class Size 6-8			21.62					
SOCIAL STUDIES	06	23	21.61	1	27	3	15	5
	07	20	22.95	19	26	0	18	2
	08	20	21.45	18	26	0	19	1
Average Class Size 6-8			22.00					
TECHNOLOGY	06	20	22.55	17	26	0	18	2
	07	19	21.63	16	24	0	19	0
WELLNESS	06	60	24.85	22	28	0	39	21
	07	66	22.09	12	26	7	57	2
	08	90	21.51	14	26	2	86	2
WORLD LANGUAGES	06	20	23.25	15	26	0	14	6
	07	21	20.29	16	26	0	20	1
	08	31	21.35	18	30	0	30	1

Grade 6	497	
Grade 7	460	
Grade 8	429	
Total Enrollment	<u>1386</u>	as of November 13, 2019

Average Class Size Core Subjects Middle School 6-8

20.85

# Needham High School

## Needham High School Class Size 2019-2020 by Subject and Grade

COURSES	GRADE LEVEL	NUMBER OF SECTIONS	AVERAGE SIZE	MINIMUM	MAXIMUM	UNDER 15	15-25	OVER 25
<b>ART</b>	09	4	14.25	11	20	3	1	0
	10	3	20.00	15	24	0	3	0
	11	2	12.00	12	12	2	0	0
	12	2	12.00	1	23	1	1	0
	Multiple	64	16.69	1	24	18	46	0
<b>ESL</b>	Multiple	1	2.00	2	2	1	0	0
<b>ENGLISH</b>	09	19	20.05	8	27	3	13	3
	10	23	21.91	1	27	2	16	5
	11	14	19.14	1	28	2	11	1
	12	25	23.48	5	48	4	7	14
	Multiple	2	5.50	3	8	2	0	0
Average Class Size			18.02					
<b>MATH</b>	09	22	16.59	1	26	7	14	1
	10	22	20.32	1	26	3	15	4
	11	23	19.78	5	28	3	19	1
	12	28	19.07	1	28	5	19	4
	Multiple	11	13.18	3	24	6	5	0
Average Class Size			17.79					
<b>MUSIC</b>	10	1	9.00	9	9	1	0	0
	Multiple	30	13.33	2	50	21	6	3
<b>SCIENCE</b>	09	22	17.50	10	23	5	17	0
	10	25	18.56	13	24	4	21	0
	11	23	18.78	9	23	2	21	0
	12	13	19.62	4	24	1	12	0
	Multiple	5	16.40	1	24	1	4	0
Average Class Size			18.17					
<b>SOCIAL STUDIES</b>	09	21	17.95	8	24	6	15	0
	10	22	20.23	8	24	2	20	0
	11	21	19.76	9	25	4	17	0
	12	21	21.67	4	28	1	16	4
	Multiple	2	14.50	11	18	1	1	0
Average Class Size			18.82					
<b>TECHNOLOGY</b>	Multiple	16	9.31	1	25	11	5	0
<b>WELLNESS</b>	09	18	21.22	12	27	4	10	4
	10	20	22.55	12	28	2	8	10
	11	20	21.10	16	24	0	20	0
	12	20	20.00	1	27	4	12	4
<b>WORLD LANGUAGES</b>	09	18	19.89	12	24	2	16	0
	10	26	16.31	1	24	8	18	0
	11	24	16.96	1	24	5	19	0
	12	9	11.78	1	19	4	5	0
Multiple	5	12.20	3	23	4	1	0	

Grade 9	381
Grade 10	452
Grade 11	421
Grade 12	401
Grade 13	6
Total Enrollment	1661 as of November 13, 2019

# Needham High School

## Needham High School Class Size 2019-2020 by Subject and Course Level

COURSES	COURSE LEVEL	NUMBER OF SECTIONS	AVERAGE SIZE	MINIMUM	MAXIMUM	UNDER 15	15-25	OVER 25
ART	ACC	2	18.00	13	23	1	1	0
	AP	2	12.00	12	12	2	0	0
	HON	3	20.00	15	24	0	3	0
		68	16.37	1	24	21	47	0
ELL		1	2.00	2	2	1	0	0
ENGLISH	ACC	25	25.44	16	48	0	13	12
	AP	8	24.00	19	27	0	4	4
	CP	8	12.75	8	19	5	3	0
	HON	33	21.73	6	28	2	25	6
		9	11.56	1	27	6	2	1
MATH	ACC	21	23.14	20	28	0	19	2
	AP	13	20.77	5	28	2	8	3
	CP	15	14.60	10	20	8	7	0
	HON	36	20.22	7	26	2	30	4
		21	11.57	1	26	12	8	1
MUSIC	ACC	6	8.33	2	16	5	1	0
		25	14.36	2	50	17	5	3
SCIENCE	ACC	39	19.85	14	24	1	38	0
	AP	5	21.60	17	24	0	5	0
	CP	6	13.17	9	16	5	1	0
	HON	34	18.18	10	24	5	29	0
		4	9.75	1	18	2	2	0
SOCIAL STUDIES	ACC	28	21.25	10	25	4	24	0
	AP	14	22.29	18	26	0	12	2
	CP	7	9.57	8	14	7	0	0
	HON	37	20.08	14	28	2	33	2
		1	4.00	4	4	1	0	0
TECHNOLOGY		16	9.31	1	25	11	5	0
WELLNESS		78	21.22	1	28	10	50	18
WORLD LANGUAGES	ACC	40	17.45	1	24	8	32	0
	AP	3	16.00	11	23	2	1	0
	CP	8	17.00	14	20	1	7	0
	HON	29	15.90	1	24	10	19	0
		2	6.50	3	10	2	0	0

as of November 13, 2019

**HIGH ROCK SCHOOL**  
**MEMORANDUM**

To: Daniel Gutekanst  
From: Jessica R. Downey  
Date: November 6, 2019  
Re: Class Size Reports

Enclosed are the class size reports for High Rock School. These figures come from our enrollment figures dated November 6, 2019.

Below are highlights of the attached information:

**School Enrollment - 497**

**Cluster Class Size (English, Science, Social Studies & Math)**

Cluster	Total	Average Class Size
1	98	24.5
2	98	24.5
3	97	24.25
4	103	25.75
5	101	25.25

**Advisory**

	# Sections	Range	Average Class Size	# @ 15	# @ 17
<b>Advisory</b>	<b>30</b>	<b>15-17</b>	<b>16.5</b>	<b>3</b>	<b>15</b>

**Enrichment Class Size**

Course	# of Students	# of Sections	Range	Average Class Size	# of Sections 25+
Art	454	20	19-26	22.7	3
Computer Technology	451	20	17-26	22.55	2
Literacy for Learning	449	20	17-25	22.45	2
Reading Support*	39*	10	3-6	3.9	0
Wellness	497	20	22-28	24.85	14
Spanish	465	20	15-26	23.25	9
Strings	51	2	20-31	25.5	1
Beginning Band	65	4	9-23	16.25	0
Concert Band	92	4	20-27	23	1
Chorus & Gen Music	205	10	17-25	20.5	1

\* Will grow due to student needs assessments throughout school year.

**Lunch Period Student Numbers**

Lunch	# Students
I	101
II	98
III	98
IV	103
V	97

**Students not taking an Enrichment**

Course	# of Students
Wellness	0
World Language Courses	32
Rotation Courses (Art, Tech, Literacy)	46
Music Courses	84

**Academic Support Programming**

(As a result, may not participate in an enrichment class)

Special Education*	101 students
Reading Support	39 students

*\*not all students in special education have a reduction in their enrichment enrollment.*





# Pollard Middle School

*Ms. Megan Bonomolo*  
Grade 8 Assistant Principal

*Ms. Tamatha Bibbo*  
Principal

*Mr. Jeremy Greenwood*  
Grade 7 Assistant Principal

To: Dr. Dan Gutekanst  
From: Tamatha Bibbo  
Date: October 30, 2019  
Subject: **Class Size Reports**

Please find the class size report for the Pollard Middle School. These figures reflect our enrollment figures dated October 30, 2019. Below are highlights of the information:

## School Enrollment:

Grade 7 – 460

Grade 8 – 433

## Cluster Class Size (English, Math, Science & Social Studies)

Cluster Grade 7	Total	Average Class Size	Cluster Grade 8	Total	Average Class Size
7-1	88	23	8-1	87	22
7-2	91	23	8-2	86	22
7-3	91	23	8-3	85	22
7-4	95	24	8-4	88	22
7-5	95	24	8-5	87	22

## Advisory

Grade	# Sections	Range	Average Class Size
7	39	9-14	12
8	37	9-14	12

## Lunch Period

Grade 7	1 <sup>st</sup> Lunch	276
Grade 7	2 <sup>nd</sup> Lunch	183
Grade 8	1 <sup>st</sup> Lunch	259
Grade 8	2 <sup>nd</sup> Lunch	174

## Enrichment Class Size

### Grade 7

Subject	# of Sections	Range	Average for Class Size	# of Sections 25+
Art 7	24	15-20	17	0
Cambiata Chorus 7	1	25	25	1
Ceramics/Sculpture 7	12	12-16	14	0
Computer Technology 7	19	16-25	22	1
Concert Band 7	3	31-35	33	3
Engineering Design 7	19	21-26	24	5
Experiential Ed 7	12	13-18	14	0
Health 7	18	20-25	24	9
PE 7	36	19-26	24	5
French 7	4	22-26	24	2
Spanish 7	16	15-24	14	0
Music Explorations 7	12	13-16	14	0
Strings 7	1	37	37	1
Treble Chorus 7	2	24-30	27	2
Mandarin 7	1	18	18	0

### Grade 8

Subject	# of Sections	Range	Average for Class Size	# of Sections 25+
Art 8	18	21-25	23	2
Ceramics/Sculpture 8	12	20-25	22	1
2D Design	12	19-25	23	3
Chinese Culture 8	12	19-25	22	2
Global Arts 8	12	16-26	22	2
Concert Band 8	3	15-16	15	0
Engineering Design 8	20	16-24	19	0
Experiential Ed 8	15	15-21	13	0
Health 8	21	18-24	20	0
PE 8	54	21-26	23	11
French 8	4	19-21	20	0
Spanish 8	14	19-24	21	0
Mandarin 8	1	29	29	1
Theater Musical Arts 8	12	19-24	21	0
Strings 8	1	27	27	1
Treble Chorus 8	2	16-22	19	0



# NEEDHAM HIGH SCHOOL

Aaron Sicotte  
Principal

Mary Kay Alessi  
Alison Coubrough-  
Argentieri  
Keith Ford

To: Dr. Daniel Gutekanst, Superintendent  
From: Aaron Sicotte, Principal  
Re: 2019-2020 NHS Class Size Report  
Date: 10 November 2019

Please find in the report that follows class size data for Needham High School for the 2019-2020 school year. Data have been gathered based on the October 1, 2019 figures. There have been a small number of student course enrollment changes since that time that are not reflected in this document. You will also find matrices that provide the current number of students per section, as well as, the total teacher course load for this year. As this document will demonstrate, our teachers are continuing to provide excellent support for our students, even with the increasing enrollment.

## Average Teacher Load

Tables 1 and 2 provide statistics related to staffing allocations in each department. These data reflect mean student to teacher ratios within each department that are then compared to a target load set by the department chairs and directors, and the principal during the spring of the previous school year. The staffing formula is designed to attain average student-teacher ratios within five students of the target loads. This methodology is not used, however, when calculating ratios within the music and theater programs, as the nature of performing arts and ensemble programs do not lend themselves to standard class size formulas. The Wellness Total Enrollment reflects the total student enrollment during the full year, but the Actual Average Teacher Load reflects a per semester average since all Wellness courses are semester courses.

**Table 1**

*Average Teacher Load & Department Enrollment, 2019-2020  
Based Upon October 1, 2019 Enrollment of 1661 Students.*

Department	FTE	Total Enrollment	% of NHS Enrollment	Target Teacher Load (in students)	Actual Average Teacher Load (in students)
English	19.5	1722	104	92	88
Math	18.8	1874	113	100	100
Science	18.1	1616	97	95	89
Social Studies	17.6	1772	107	100	101
World Languages	14.8	1340	81	100	91
Visual Arts	8.0	1210	73	100	111
Performing Arts	3.2	413	25	-	129
Wellness	7.6	1625	98	100	107

Table 2 presents the aggregate data comparing school years 2012-13 through 2019-20. The average teacher load has dipped slightly this year after recent increases. This modest decline



# NEEDHAM HIGH SCHOOL

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reflects the similar one year decline in our overall enrollment for this school year. Despite this overall decline, the average student load actually increased in three departments this year. Note: year-to-year increases in average teacher loads within departments are highlighted.

**Table 2**  
*Average Actual Teacher Load Comparisons*  
*School Year 2012-13 through 2019-20*

Department	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
English	88	88	88	90	90	89	92	88
Math	108	108	105	105	104	107	106	100
Science	95	95	96	90	90	96	101	89
Social Studies	105	105	103	99	100	102	100	101
World Language	103	103	102	97	98	94	92	91
Visual Arts	94	94	92	97	105	106	110	111
Performing Arts	176	176	157	130	129	122	116	129
Wellness	115	115	110	110	111	112	112	107
Overall Average	111	111	107	102	103	104	104	102

## Class Size Range

Table 3 reflects the range of enrollment within course sections across academic areas. During our scheduling process, we prioritize keeping sections as balanced as possible, although that is not always feasible with the many variables and complications of creating a high school schedule. This year, we saw a slight decrease in the number of classes that fall between 22 and 27, a reflection of our lower overall enrollment. We also experienced a small increase in the number of classes over 28 students, which was, in part, a result of new senior class offerings that garnered a lot of interest and resulted in large class enrollments. Our ongoing effort to ensure small, supportive class sizes for our struggling learners also results in a steady number of courses running below 19 (from 204 last year).

**Table 3**  
*Class Size Range in Sections, 2019-2020*

Department	<19	19-21	22-24	25-27	28+	Total
English	13	14	20	21	8	76
Math	32	20	24	14	3	93
Science	39	23	23	-	-	85
Social Studies	27	17	35	5	2	86
World Language	36	19	19	-	-	74
Arts	41	33	14	-	3	91
Wellness	19	8	22	26	1	76
Total Sections	207	134	157	66	17	581

## Chart 1



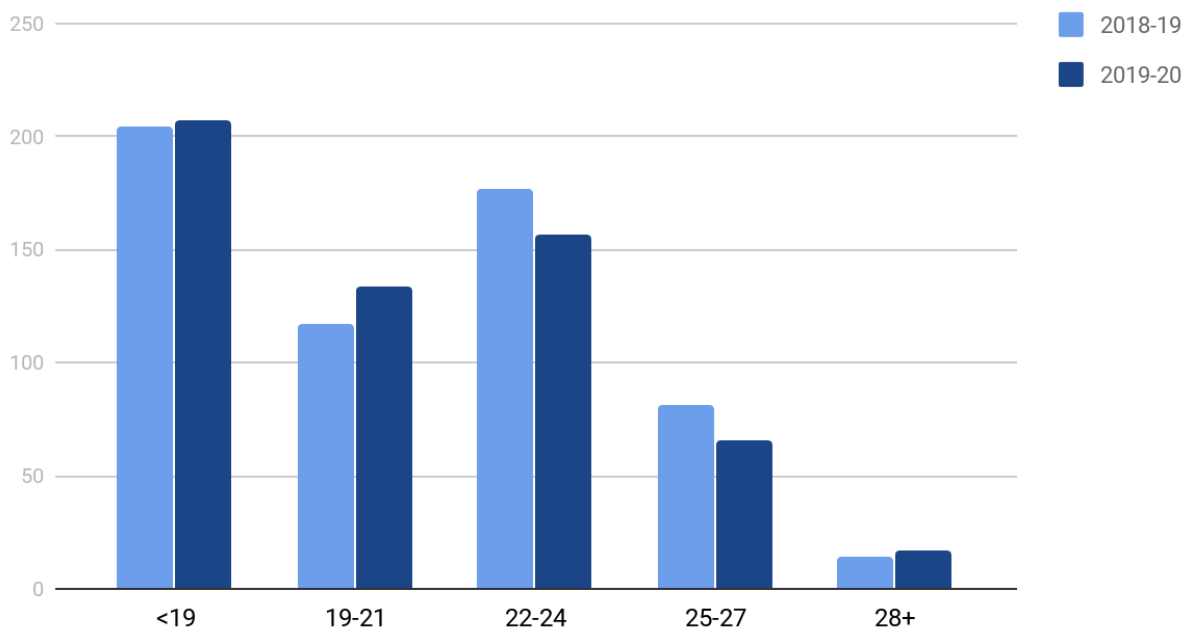
# NEEDHAM HIGH SCHOOL

*Aaron Sicotte*  
Principal

*Mary Kay Alessi*  
*Alison Coubrough-*  
*Argentieri*  
*Keith Ford*

*Section Enrollment Comparisons – 2017-2018 and 2018-2019*

## Section Enrollment Comparisons



### **Impact Statement**

After shrinking our enrollment slightly this year, Needham High School will return to the steadily rising enrollment we have experienced over the last few years. As the enrollment continues to rise, so too does average class sizes and teacher loads. Staffing increases over the last couple years have helped to mitigate those increases to an extent. As we return to expanding enrollment, NHS will require further staffing increases to maintain appropriate class sizes and a full complement of course offerings. As we continue to grow in all areas, NHS will remain a vibrant place to learn and grow for our students, and we will continue to meet our students' needs with instruction that is engaging and personalized and class offerings that are diverse and robust.