

Initial Insights into MMSD's Current and Projected Enrollment and the Impact of COVID-19

What is in this report?

This report presents historical, current and projected enrollment for the Madison Metropolitan School District (MMSD). The Institutional Research & Evaluation Office (IRE) within the Research & Innovation department leads this work and will present this report to the Operations Work Group on November 8, 2021. This report continues to differ from older versions of enrollment reports, in response to the COVID-19 pandemic and its impact on enrollment.

This report is organized by three questions:

1. *What is MMSD's Third Friday enrollment in 2021-22?*
2. *How do we model our projections for the coming year and what is 2022-23 enrollment projected to be across the district?*
3. *What may be influencing shifts in enrollment in 2021-22 and impacting projected enrollment in 2022-23?*

We've focused the narrative on overall trends across enrollment, particularly between 2020-21 and 2021-22. We provide some trends by grade level and highlighted some key considerations that may impact these trends during this unprecedented time. For further detail, we have included in the appendices more detailed breakouts and descriptions of methodology.

I. *What is MMSD's Third Friday enrollment in 2021-22?*

The following section outlines MMSD's Third Friday enrollment in 2021-22, the official enrollment count snapshot used by the WI Department of Public Instruction to calculate funding for school districts. We provide historical enrollment numbers dating back to 2014-15 for additional context.

4K-12 enrollment decreased by 482 students from 2020-21 to 2021-22

Overall, 4K-12 enrollment in MMSD on the Third Friday of September in 2021-22 was 25,936 students, down 482 students from 2020-21. This overall enrollment has been decreasing slightly since the 2014-15 school year. While 2021-22 continues this overall trend, the drop is much less than between 2019-20 and 2020-21, where enrollment went down by over a thousand students. By grade level, we see slight enrollment drops in 4K, elementary, and middle schools; at the high school level, we saw enrollment increase between 2020-21 and 2021-22. **Table 1** on the following page shows enrollment counts by grade level/grade and year.



Table I: Enrollment History & Current State by Level, Grade and Year

		17-18	18-19	19-20	20-21	21-22
4K	4K	1,797	1,776	1,717	1,415	1,348
ES	KG	2,028	2,063	2,090	1,875	1,832
	01	2,016	1,958	1,989	1,951	1,835
	02	1,967	1,944	1,930	1,854	1,883
	03	2,046	1,913	1,898	1,836	1,777
	04	1,963	2,006	1,906	1,823	1,729
	05	1,915	1,915	1,976	1,835	1,785
MS	06	1,799	1,888	1,860	1,858	1,723
	07	1,832	1,784	1,855	1,774	1,817
	08	1,828	1,807	1,771	1,823	1,726
HS	09	1,885	1,965	1,944	1,840	1,904
	10	1,868	1,872	1,965	1,918	1,834
	11	1,917	1,864	1,882	1,974	1,957
	12	2,150	2,161	2,100	2,102	2,246
	4K Total	1,797	1,776	1,717	1,415	1,348
	ES Total	11,935	11,799	11,789	11,174	10,841
	MS Total	5,459	5,479	5,486	5,455	5,266
	HS Total	7,820	7,862	7,891	7,834	7,941
	District 4K-12 Total	27,011	26,916	26,883	25,878	25,396
	District Year-to-Year Change	---	-95	-33	-1,005	-482
	District Cumulative Change	---	-95	-128	-1,133	-1,615

Enrollment by student demographics remained relatively stable between 2020-21 and 2021-22, with slight changes by group

The demographics of the district remained relatively stable between 2020-21 and 2021-22, as they have for the last five years. In 2021-22, the demographic makeup of the district looked similar to previous years, with a few slight changes. **Table 2** shows overall enrollment by demographic groups. Between 2020-21 and 2021-22, we saw enrollment increase overall for students who identify as Black or student with disabilities, while enrollment decreased for students who identify as Asian, Hispanic/Latinx, Multiracial, English Language Learner, advanced learner, or from a low-income background.

Looking at student enrollment by race/ethnicity and school level (**Figure 1**), we see that the percent of students identifying as White at the middle and high school level continued a trend of slightly decreasing in 2020-21, while the percent of students identifying as Hispanic/Latinx in middle and high continued to increase. The percent of elementary students identifying as White decreased slightly in 2020-21 and 2021-22, while the percent of Black elementary students follows a gradual, increasing trend. **Appendix 1** provides a graphical look at the demographic makeup of the District in 2021-22 by grade level (including a comparison of virtual and in-person enrollment), as well as historical trends.

Figure 1: Racial/Ethnic Enrollment by School Level

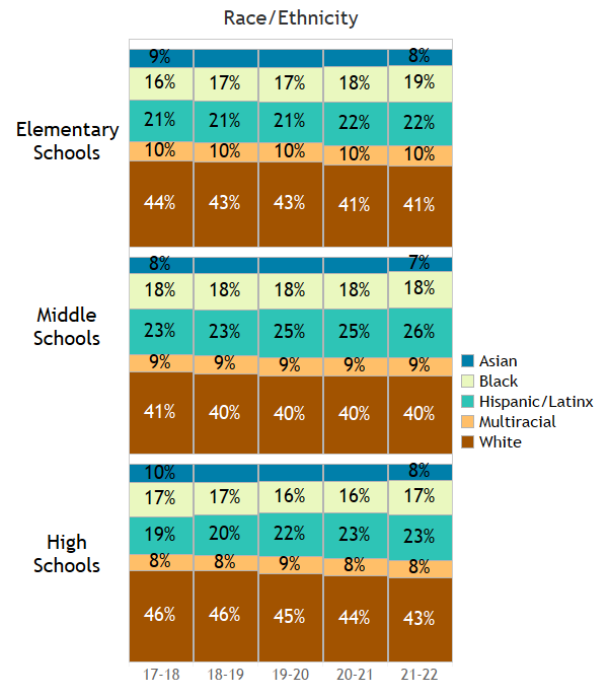


Table 2: Overall Enrollment by Student Demographics

	History				
	17-18	18-19	19-20	20-21	21-22
Asian	2,366	2,355	2,295	2,176	2,003
Black or African American	4,816	4,803	4,772	4,635	4,684
Hispanic/Latinx	5,755	5,879	5,991	5,941	5,897
Multiracial	2,458	2,463	2,517	2,392	2,382
White	11,510	11,320	11,206	10,644	10,344
English Language Learner	7,544	7,495	7,114	7,084	6,788
Not English Language Learner	19,467	19,421	19,769	18,799	18,608
Students w/ Disabilities	4,084	4,023	4,217	4,089	3,761
Students w/o Disabilities	22,927	22,893	22,666	21,794	21,635
Low-inc. Background	13,238	12,544	12,402	11,839	11,445
Not from low-inc. background	13,773	14,372	14,481	14,044	13,951
Advanced Learner	5,700	7,990	8,174	7,485	6,807
Not Advanced Learner	21,311	18,926	18,709	18,398	18,589

Annual changes in enrollment vary across schools with some schools with noticeable changes between 2020-21 and 2021-22.

Changes in enrollment differed across schools between 2020-21 and 2021-22. At the 4K level, we saw the largest decreases in enrollment at our off-site locations (e.g., early care and education sites) and increases at full-day MMSD 4K school sites. For elementary, we saw increases in enrollment at 8 schools and decreases at 24 schools, with the changes ranging from +44 students to -57 students. For middle schools, we saw an increase at 1 school, decreases at 10 schools, and no change at 1 school, ranging from +10 students to -53 students. Of MMSD’s four comprehensive and two alternative high schools, we saw an increase at 4 schools and a decrease at 2 schools, with changes ranging from +47 students to -20 students.

As examples of these trends, at the elementary school level, Shorewood (-57), Sandburg (-51), and Stephens (-49) had the largest decreases in enrollment, while Orchard Ridge (+44), Anana (+38), and Kennedy (+28) had the largest increases in enrollment. At the middle school level, Jefferson (-53), Toki (-44), and Hamilton (-34) had the largest decreases in enrollment. At the high school level, Capital (+33), East (+47), Memorial (+42), and West (+22) had increases in enrollment, while La Follette (-20) and Shabazz (-4) had decreases in enrollment. For more details on school changes, see **Appendix 2**.

2. How do we model our projections for the coming year and what is 2022-23 enrollment projected to be across the district?

The following section provides background information on the sustained changes to the projection model in response to the COVID-19 pandemic and our projections for 2022-23.

Background

To create these projections, the IRE team uses the same methodology used by districts and industry professionals across Wisconsin and the country. We base our projection model on historical enrollment patterns and progression rates from grade to grade, factoring in the language of instruction in the student’s classroom (English only, Dual Language Immersion (DLI), or Developmental Bilingual Education (DBE)). IRE then modifies projections based on the maximum constraints of charter/magnet/school policy documents.

This model projects four-year old kindergarten (4K) and kindergarten (KG) classes by comparing local historical births against class sizes to determine what percentage of births we can expect to enroll in MMSD as 4K or KG students. Historical births by year at the municipal level come from the Wisconsin Department of Health Services (DHS); at the time of writing this report, the most recent data is for 2019. IRE uses a linear forecast of births at the municipal level to extend birth estimates through 2021.

This model bases 1st through 12th grade projections on five-year average rates of grade-to-grade progression (e.g., percentage of KG students that return for first grade) and school-to-school distribution rates (e.g., percentage of 5th grade students at a particular elementary school that attend 6th grade at a particular middle school).

Figure 2: Enrollment Projection Model





(Please note: previous MMSD projections have been based on three-year average rates of grade-to-grade progression. This model uses five-year average rates to better establish a stable historical rate and more easily identify aberrant rates from the 2020-21 and 2021-22 school years.)

Maintaining Changes to the Projection Methods to Adjust for the Impact of COVID-19

The COVID-19 pandemic likely had an impact on MMSD's 2020-21 and 2021-22 enrollment. The impact of the COVID-19 on future enrollment continues to be difficult to ascertain and necessitated maintaining changes to MMSD's projection model. Last year, in consultation with the University of Wisconsin-Madison's Applied Population Lab (APL), IRE implemented changes to the projection model, which persisted in the model used to project 2022-23 enrollment. This report only shows one-year projections in nearly all sections because of the limitations of the projection model. To read more information about the changes to the model and these assumptions, refer to **Appendix 3**.

To finalize the current projection model, IRE made three primary assumptions:

- The landscape of the COVID-19 pandemic will be different in 2022-23, while MMSD will continue an in-person and virtual model of instruction. Both these factors will remove a primary disincentive to leave the District. As a result, COVID-19 will only have an isolated impact on our enrollment, contained to the 2020-21 and 2021-22 school years, and will not have an impact on future enrollments. Under this assumption, this report may offer an **overestimated projection of the 2022-23 enrollment** if COVID-19 persists and continues to discourage families from enrolling.
- Despite large decreases in enrollment in 2021-22 and 2022-23, KG and 4K students will enroll in the District at normal rates in 2022-23 when the landscape of the COVID-19 pandemic shifts. As a result, IRE continues to use the birth rate approach to modeling projections. Under this assumption, this report may offer an **overestimated projection of the 2022-23 enrollment** if COVID-19 persists and continues to discourage KG and 4K families from enrolling their students in the District.
- In this model, IRE assumes that 1st-12th grade students who left the district in 2020-21 and/or 2021-22 will *not* return later in the year or in 2022-23. As a result, this report may offer an **underestimated projection of the 2022-23 enrollment** if families return to the District.

2022-23 Projected Enrollment Shows a Decrease of 158 Students from 2021-22

Overall, the number of 4K-12 students enrolled in MMSD is projected to decrease next year by 158 students, down to 25,238. Elementary, middle, and high school enrollment is projected to decrease between 2021-22 and 2022-23, while 4K enrollment is projected to increase. **Table 3**, below, shows projected enrollment counts by grade level/grade and year. **Appendix 4** provides a look at the projections by school as well as attendance area in tabular and graphical format.

Table 3: Overall Enrollment & 2022-23 Projected Enrollment by Level, Grade and Year

		History			Projection
		19-20	20-21	21-22	22-23
4K	4K	1,717	1,415	1,348	1,538
ES	KG	2,090	1,875	1,832	1,789
	01	1,989	1,951	1,835	1,771
	02	1,930	1,854	1,883	1,759
	03	1,898	1,836	1,777	1,822
	04	1,906	1,823	1,729	1,738
	05	1,976	1,835	1,785	1,699
MS	06	1,860	1,858	1,723	1,694
	07	1,855	1,774	1,817	1,684
	08	1,771	1,823	1,726	1,798
HS	09	1,944	1,840	1,904	1,820
	10	1,965	1,918	1,834	1,898
	11	1,882	1,974	1,957	1,814
	12	2,100	2,102	2,246	2,396
	4K Total	1,717	1,415	1,348	1,555
	ES Total	11,789	11,174	10,841	10,577
	MS Total	5,486	5,455	5,266	5,176
	HS Total	7,891	7,834	7,941	7,929
	District 4K-12 Total	26,883	25,878	25,396	25,238
	District Year-to-Year Change	---	-1,005	-482	-158
	District Cumulative Change	---	-1,005	-1,487	-1,645

3. What may be influencing shifts in enrollment in 2021-22 and impacting projected enrollment in 2022-23?

The following sections highlight potential factors and trends that might have impacted enrollment in 2021-22, as well as the projected enrollment in 2022-23. These factors can be important to consider to provide further context to the trends outlined in the first section.

Dane County birth rates continue to decline, which likely impacts MMSD KG and 4K enrollment projections

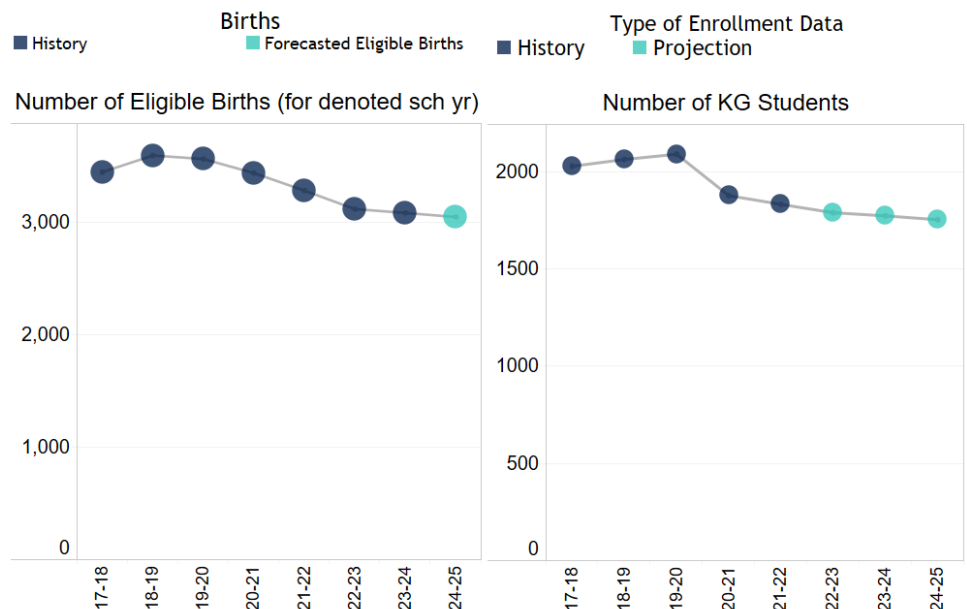
This projection uses birth rates in Dane County, as of 2019. There has been a continued decrease in the number of births in the cities of Madison and Fitchburg (from 3,585 eligible births for starting kindergarten in 2018-19 to 3,084 eligible births for kindergarten in 2023-24). As a result, actual enrollment has decreased and the 2022-23 model projects a continued slight decrease in both 4K and KG enrollment.

However, the decline in births appears to be flattening. As rates stabilize, IRE projects a likely stabilization in 4K and KG enrollment rates. Historically, the number of students in a cohort starts at a high in KG and then declines through 8th grade. This suggests that declines in KG lead to continuing enrollment declines in subsequent grades and for the district overall. At the same time, stabilizing rates of KG enrollment is expected to curb future declines in enrollment.

Figure 3: Eligible Births & KG Enrollment

The graphic to the right shows eligible births and kindergarten enrollments. The **dark blue** represents actual historical data, while the **light blue** shows projections (births and enrollment). The eligible births graphic shows births by anticipated kindergarten year, not actual birth year. (Please note: this graphic is the only graphic that shows a three-year projection.)

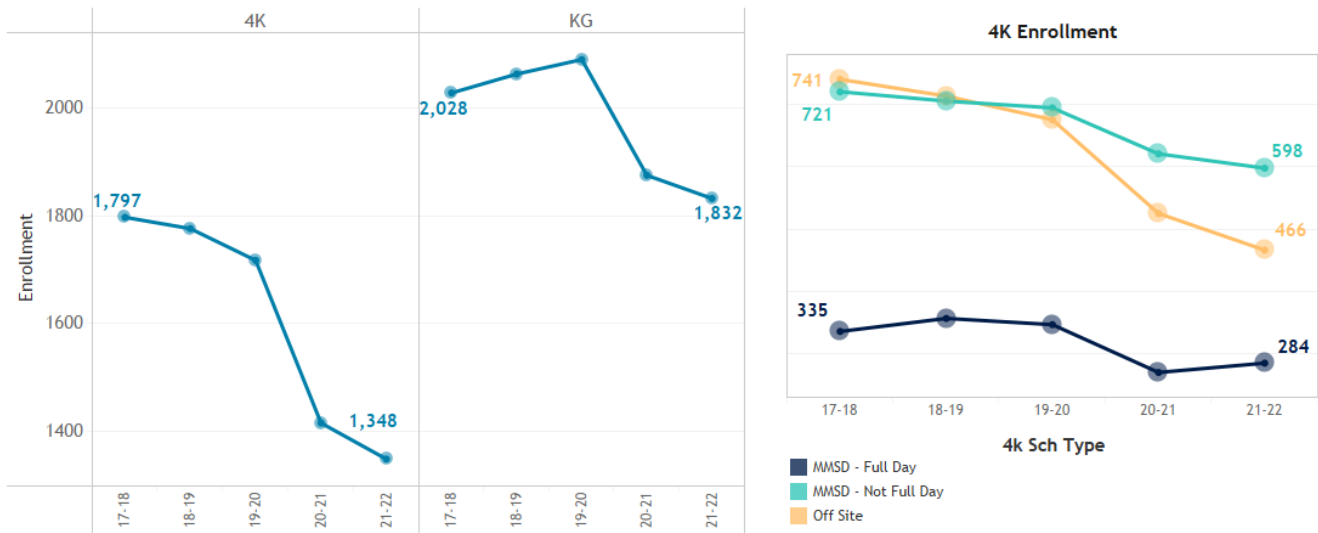
For additional information on the assumptions that impact 4K and KG enrollment projections, refer to **Appendix 3**.



While 4K and KG enrollment still went down in 2021-22, the drop was not as significant as in 2020-21

In 2021-22, we saw 4K and KG enrollment decline by 67 and 43 students, respectively, from the prior year. While lower, this decline was much less dramatic than between 2019-20 and 2020-21, where 4K and KG enrollment dropped by 302 and 215 students, respectively. The largest decreases in 4K enrollment in 2021-22 continued to be at our *off-site* community locations, while schools offering MMSD’s inaugural year of full day 4K had increased enrollments from 2020-21.

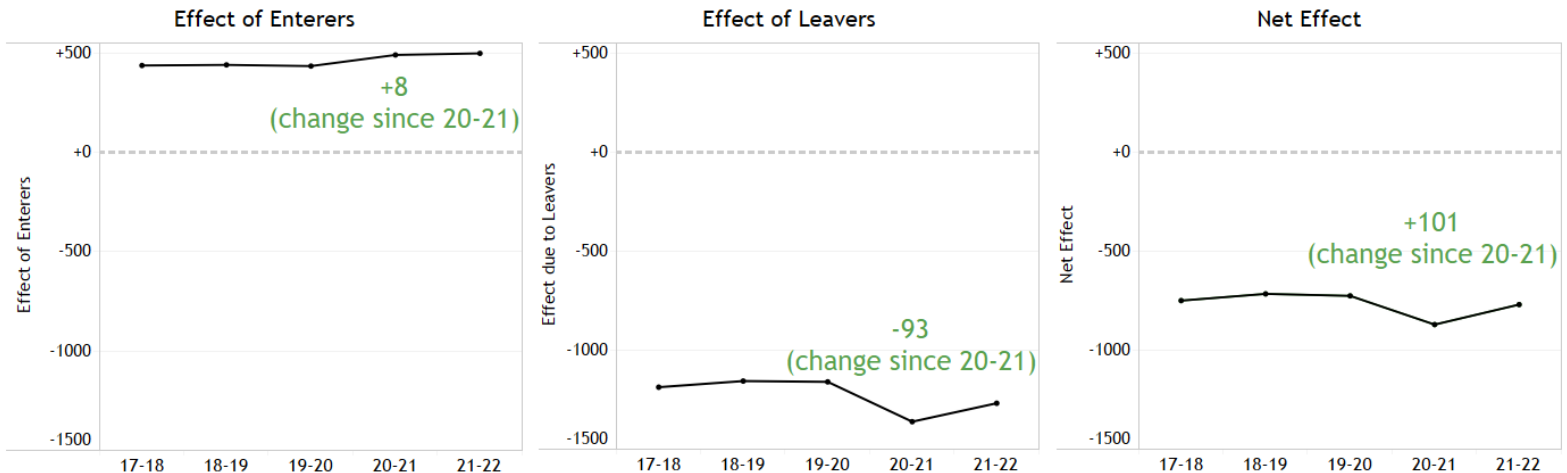
Figure 4: 4K & KG Enrollment & 4K Enrollment by School Type



Open enrollment leavers decreased from 2020-21 to 2021-22, leading to a more positive net effect of open enrollment

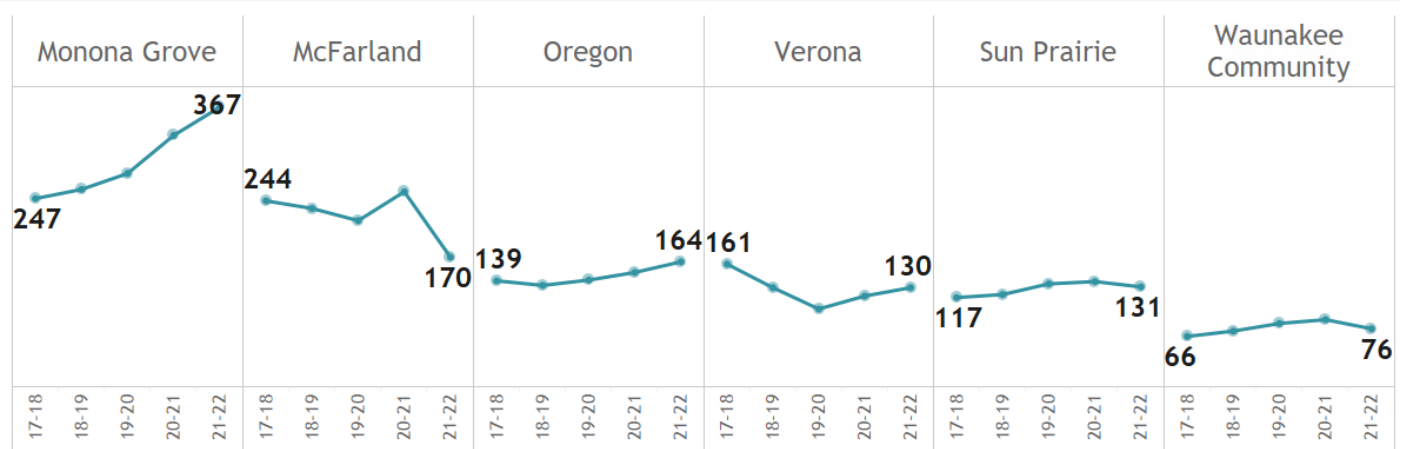
In 2021-22, fewer students open-enrolled out of the District, while more students living *outside* the District open-enrolled into the District. Combined, this led to a more positive open enrollment net effect of over 100 students. The net effect of open enrollment was still lower than rates prior to the COVID-19 pandemic but on a more positive trend.

Figure 5: Effect of Open Enrollment Enters and Leavers



Students living within MMSD boundaries open-enroll in a number of surrounding districts. In particular, students living within MMSD boundaries continue to open-enroll into the Monona Grove School District at higher rates than any other district. McFarland is still the second highest district where MMSD students open-enroll, but the number of students decreased substantially in 2021-22.

Figure 6: Count of Open Enrollment Leavers by School District



Appendix 5 provides additional information on students who left the District between the 2020-21 and 2021-22 school years.

Appendix I: MMSD Demographics in 2021-22 & In-Person vs. Virtual Comparison

This section provides a breakdown of demographics of students in MMSD – both overall and a comparison of in-person and virtual enrollments.

Figure 7: Additional Demographic Breakdown by School Level

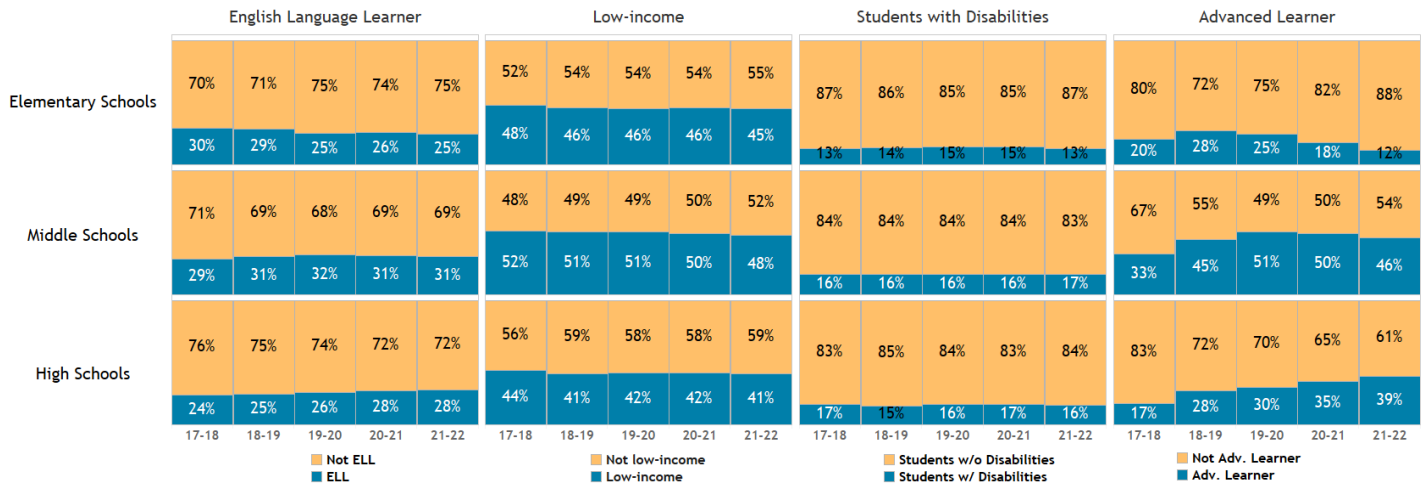
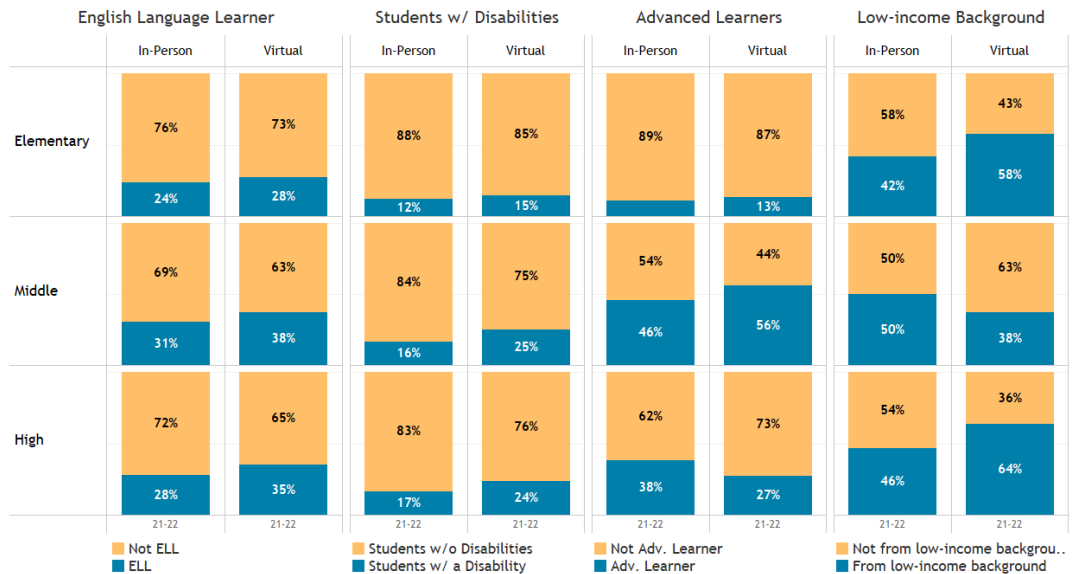
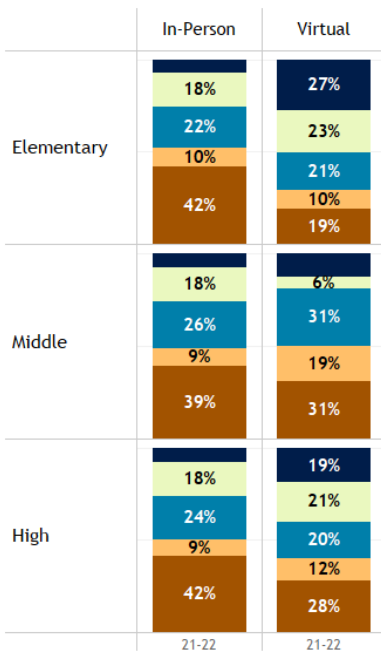


Figure 8: Additional Demographic Breakdown by School Level & Learning Setting

Figure 9: Racial/Ethnic Breakdown by School Level & Learning Setting



The demographics of students enrolled in a virtual setting differed slightly from students enrolled in an in-person setting. Students identified as English Language Learners, as well as students with disabilities were more likely to attend a virtual setting across all grade levels.

Students who identified as White were more likely to enroll in an in-person setting, particularly at the elementary and high school level, while students who identified as Asian were more likely to enroll in a virtual setting.

Appendix 2: Highlights in Enrollment Changes from 2020-21 to 2021-22 by Level and Attendance Area

MMSD had decreases in enrollment in 2021-22, likely due to the COVID-19 pandemic. Schools had differing changes in enrollment from last year (2020-21). This section looks at these differences in changes in enrollment from 2021-22 to identify areas with the largest changes in enrollment.

Elementary School Highlights

Elementary schools mostly had decreases in enrollment in 2021-22. A few highlights of enrollment differences are:

- Shorewood, Sandburg, and Stephens had the highest decreases in enrollment in 2021-22. For Shorewood, this marked the second year of having the largest decrease in enrollment.
- Two Memorial zone elementary schools – Orchard Ridge and Anana Elementary – had large increases in enrollment, while two La Follette zone elementary schools - Kennedy and Schenk Elementary - had increased enrollment. Nearly all schools in the West and East attendance zones had decreases in enrollment.

Middle School Highlights

A few highlights of enrollment differences among middle schools are:

- Jefferson, Toki, and Hamilton had the highest decreases in enrollment in 2020-21. For Jefferson Middle School, this marked the second year of having the largest decreases.
- All middle schools in the Memorial, West, and La Follette attendance areas had decreases in enrollment, while O’Keeffe Middle, in the East attendance zone, was the only middle school that had an increase in enrollment

High School Highlights

A few highlights of enrollment differences among high schools are:

- La Follette High and Shabazz were the only high schools to have a decrease in enrollment, while West, Memorial, Capital, and East had increases in enrollment. This marks the second year in a row that La Follette experienced a decrease in enrollment.

Attendance Area Highlights

Looking across all school grade levels, schools in the West High attendance zone had, on average, larger decreases than schools in the East, Memorial, and La Follette attendance zones.

Graphical Representations of Changes in Enrollment

The graphics below (one for each school level) show the actual change in enrollment by school. The graphics show current enrollment from 2021-22 in **dark blue** and 2020-21 enrollment in **orange**. Each school name is labeled next to the current enrollment. The bars on the right side show the change in enrollment between the two school years. Schools with red bars had decreases in enrollment greater than 20, while schools with green bars had increases in enrollment greater than 20. Each graphic has every school listed top to bottom, with the schools with the largest decreases in enrollment at the top and the schools with the largest *increases* in enrollment at the bottom.

Figure 10: Changes in Enrollment between 2020-21 & 2021-22 School Year - Elementary

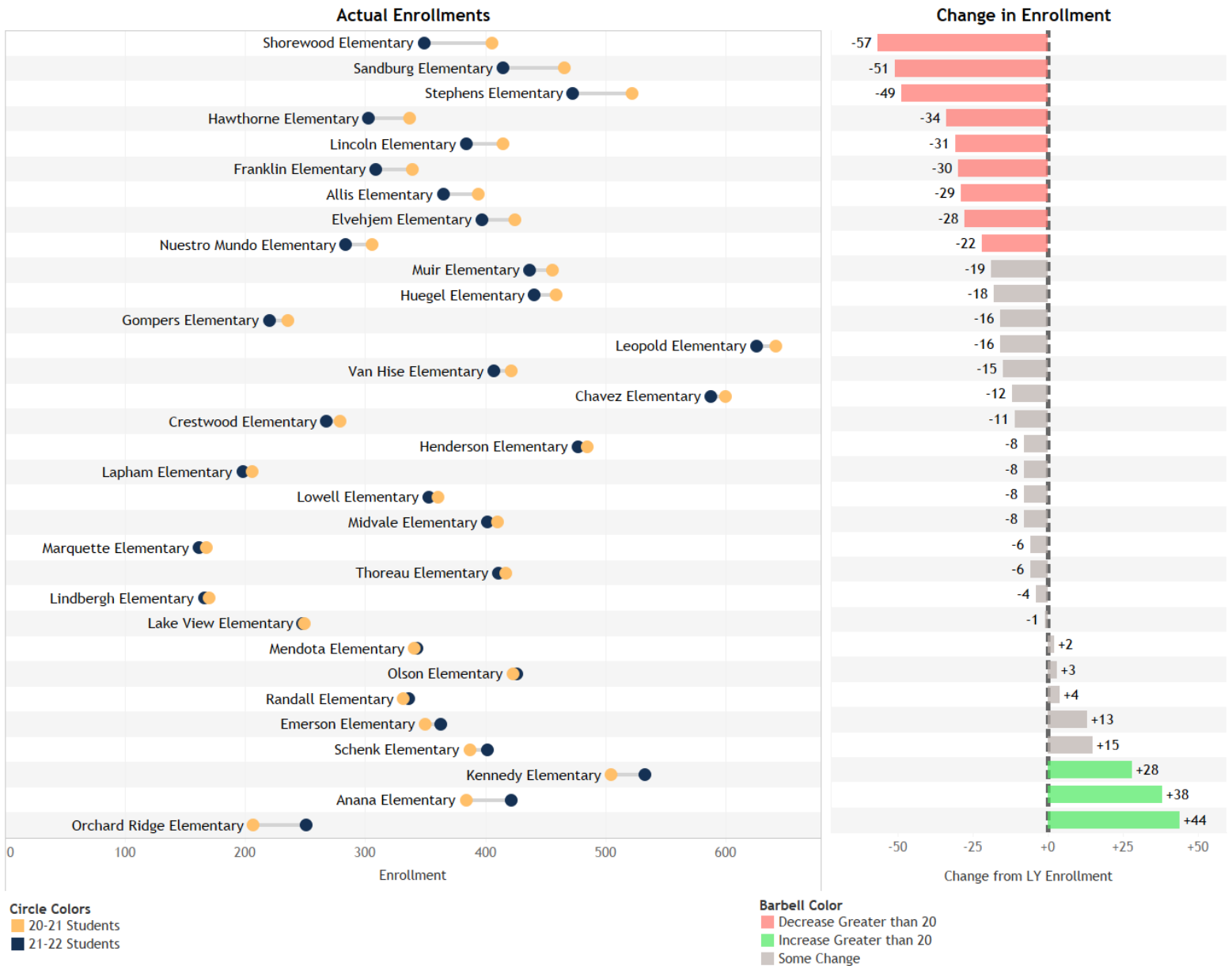


Figure 11: Changes in Enrollment between 2020-21 & 2021-22 School Year - Middle

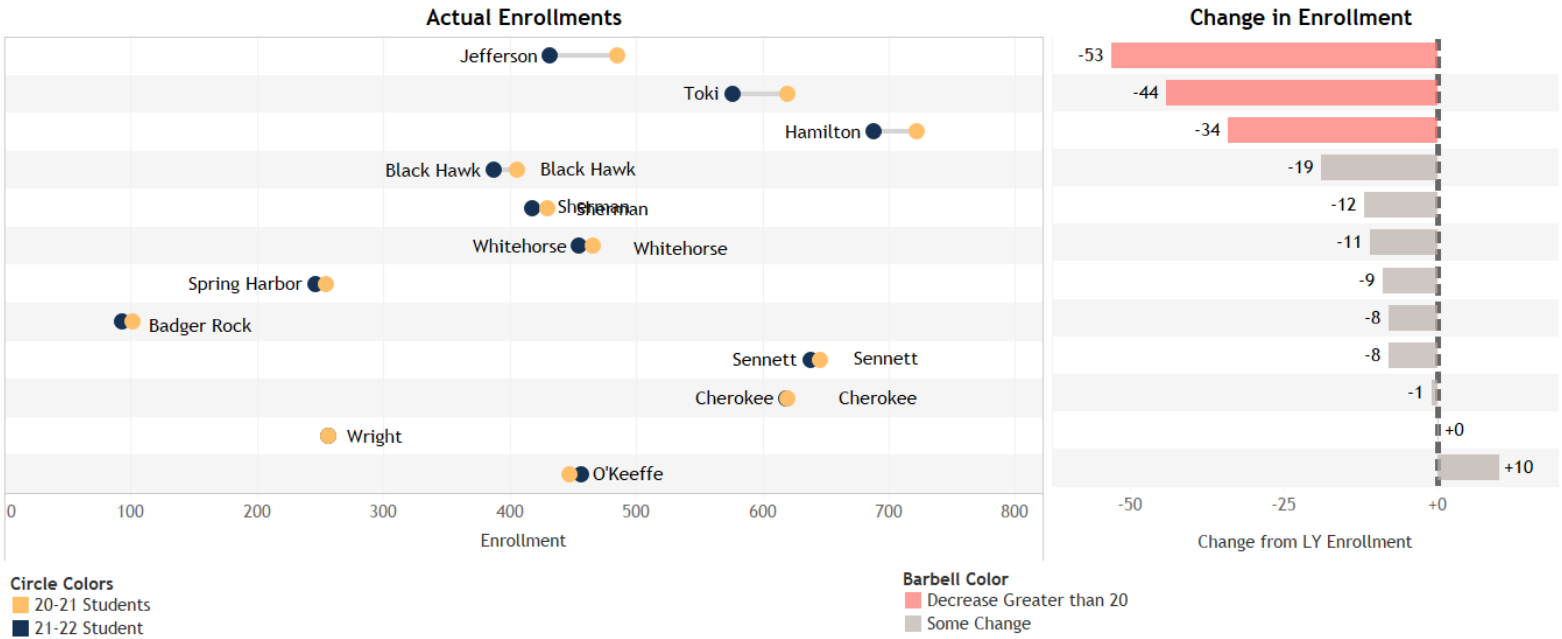
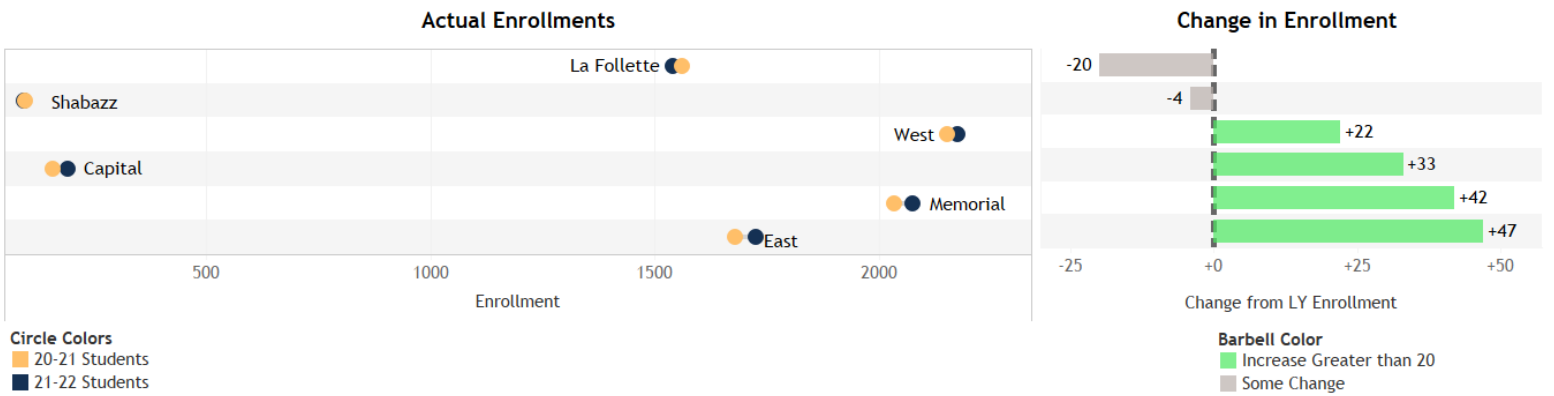


Figure 12: Changes in Enrollment between 2020-21 & 2021-22 School Year - High





Appendix 3: Adjusting Projection Model for COVID-19

What we know, the assumptions we made, and the adjustments we incorporated into the model

In 2020-21 and 2021-22, MMSD saw larger drops in enrollment, likely due in part to the COVID-19 pandemic, particularly at the elementary level. Below, this section lists the assumptions IRE made in calculating the current projection, based on the data currently available.

We Know: *Grade-to-grade progression rates differed in 2020-21 and 2021-22, because of larger shifts in enrollment.*

We Assume: COVID-19 had a short-term impact on our enrollment in 2020-21 and 2021-22 and will not have an impact on future enrollment; MMSD will offer some version of in-person instruction that will remove the disincentive to leave the District.

We Adjusted: *IRE removed aberrant rates from average grade-to-grade progression rates to adjust for the impact of COVID-19.*

IRE expanded the projection model's historical average rates to include the past five years. In addition, the model removed **any** aberrant rates from the average rate. *IRE defined an aberrant rate as a grade-to-grade progression rate that was one standard deviation or more away from the five-year average rate.*

We Know: *Birthrates have been declining in Dane County; there were decreases in enrollment in the 2021-22 school year in kindergarten and 4K.*

We Assume: The reduced 4K enrollment in 2021-22 will not carry over and impact KG enrollment in 2022-23; 4K enrollment in 2022-23 will not be impacted by COVID-19; KG and 4K students will return when the landscape of the COVID-19 pandemic shifts.

We Adjusted: *IRE removed all aberrant rates of birth-to-enrollment progression; IRE continued to use a linear regression to project declining birth rates and declining enrollment rates.*

Kindergarten and 4K enrollment projections are different than 1st-12th enrollment projections, as noted in this report. While 1st-12th grade projections take into account current enrollment from the third Friday of September, KG and 4K enrollments are based on birth rates that already happened (before COVID-19). Therefore, the model does not factor low 4K enrollment in 2020-21 and 2021-22 into the calculus for projecting 2022-23 enrollment.

As a result, IRE's projected 4K enrollment appears to increase while most other grade levels have a projected decrease.

We Know: *2020-21 and 2021-22 enrollment decreased substantially from prior school years.*

We Assume: **In this model**, IRE assumes there will be no return rate (students returning to the District next year) that would increase enrollment (base number) for the 2022-23 school year.

We Did Not Adjust: *IRE did not make any adjustments to the model to account for any students returning to the District.*

Enrollment projections for 1st-12th grade factor in an average grade-to-grade progression rate, as well as a base number. The multiplication of these two elements of the model creates the enrollment projection. IRE adjusted the grade-to-grade progression rate. For this assumption, IRE did *not* adjust the base number (Third Friday count from this year).

In this regard, the current model might be a **conservative** estimate, as it is possible that families will return to MMSD later in the 2021-22 or the 2022-23 school year, which IRE has not accounted for in this model. The graphic below shows the current projection model.



Appendix 4: Enrollment Projections by Grade for each School and Attendance Area

The tables in this appendix show a three-year actual history and a one-year projection by school level and attendance area. These are tabular versions of the graphics later in this appendix.

Table 4: Elementary Schools (4K-5th grade) in East High Area

School Area	School	Sch Year	K4	KG	01	02	03	04	05	Total
East	Emerson	19-20 (Actual)	23	65	56	62	68	61	61	396
		20-21 (Actual)	31	37	55	53	56	61	57	350
		21-22 (Actual)	27	70	42	57	52	54	61	363
		22-23 (Projected)	29	54	67	40	55	51	53	349
	Gompers	19-20 (Actual)	22	37	30	33	32	39	25	218
		20-21 (Actual)	16	36	47	30	35	32	40	236
		21-22 (Actual)	22	32	33	43	32	33	25	220
		22-23 (Projected)	19	30	31	32	42	31	32	216
	Hawthorne	19-20 (Actual)	34	57	45	53	54	50	65	358
		20-21 (Actual)	26	54	55	39	52	55	56	337
		21-22 (Actual)	25	50	48	53	33	43	51	303
		22-23 (Projected)	29	49	48	46	51	32	42	297
	Lake View	19-20 (Actual)		55	39	47	42	35	47	265
		20-21 (Actual)		47	51	36	41	39	35	249
		21-22 (Actual)		46	51	41	32	40	38	248
		22-23 (Projected)		43	45	49	40	31	39	247
	Lindbergh	19-20 (Actual)	32	33	22	29	12	21	26	175
		20-21 (Actual)	32	26	32	17	31	10	22	170
		21-22 (Actual)	31	30	27	23	16	29	10	166
		22-23 (Projected)	31	26	29	26	22	16	28	177
	Lowell	19-20 (Actual)	27	50	59	47	57	50	60	350
		20-21 (Actual)	32	51	57	57	50	64	50	361
		21-22 (Actual)	26	65	48	52	53	51	58	353
		22-23 (Projected)	29	50	62	46	50	52	50	339
	Mendota	19-20 (Actual)	31	59	58	46	49	46	52	341
		20-21 (Actual)	31	55	58	48	51	52	46	341
		21-22 (Actual)	34	43	60	53	48	49	56	343
		22-23 (Projected)	32	48	41	57	51	47	48	324
	Sandburg	19-20 (Actual)	50	76	64	81	79	73	79	502
		20-21 (Actual)	46	67	68	61	76	81	67	466
		21-22 (Actual)	37	57	59	68	56	64	74	415
		22-23 (Projected)	45	61	57	57	66	55	63	403
Lapham	19-20 (Actual)	47	51	60	54				212	
	20-21 (Actual)	29	62	56	53				200	
	21-22 (Actual)	24	60	56	46				186	
	22-23 (Projected)	40	54	57	54				205	
Marquette	19-20 (Actual)					61	58	66	185	
	20-21 (Actual)					51	57	60	168	
	21-22 (Actual)					53	44	65	162	
	22-23 (Projected)					45	52	43	139	

Lapham and Marquette are paired elementary schools

Table 5: Elementary Schools (4K-5th grade) in La Follette Area

School Area	School	Sch Year	K4	KG	01	02	03	04	05	Total
La Follette	Allis	19-20 (Actual)	71	69	68	70	52	63	70	463
		20-21 (Actual)	28	58	65	63	65	53	62	394
		21-22 (Actual)	36	51	51	61	56	61	49	365
		22-23 (Projected)	56	56	49	49	59	55	60	383
	Elvehjem	19-20 (Actual)	35	63	62	61	46	73	61	401
		20-21 (Actual)	61	63	60	62	62	45	72	425
		21-22 (Actual)	57	47	67	66	54	60	46	397
		22-23 (Projected)	45	55	45	64	64	53	59	384
	Henderson	19-20 (Actual)	54	71	72	75	68	78	79	497
		20-21 (Actual)	45	81	73	73	71	66	76	485
		21-22 (Actual)	49	83	82	72	67	65	59	477
		22-23 (Projected)	47	69	81	79	70	66	64	476
	Kennedy	19-20 (Actual)	53	94	76	82	80	78	84	547
		20-21 (Actual)	43	76	81	77	70	78	80	505
		21-22 (Actual)	67	82	81	78	78	71	76	533
		22-23 (Projected)	47	73	78	78	76	76	69	497
	Nuestro Mundo	19-20 (Actual)		54	50	54	53	47	51	309
		20-21 (Actual)		46	54	54	51	51	50	306
		21-22 (Actual)		46	47	47	51	45	48	284
		22-23 (Projected)		43	47	45	45	50	45	276
Schenk	19-20 (Actual)		60	74	70	67	65	77	413	
	20-21 (Actual)		63	56	74	64	67	63	387	
	21-22 (Actual)		69	62	60	72	69	70	402	
	22-23 (Projected)		61	67	59	58	70	68	384	

Table 6: Elementary Schools (4K-5th grade) in Memorial Area

School Area	School	Sch Year	K4	KG	01	02	03	04	05	Total
Memorial	Anana	19-20 (Actual)	46	67	81	56	43	40	47	380
		20-21 (Actual)	29	64	70	73	57	41	36	370
		21-22 (Actual)	35	73	62	68	71	52	43	404
		22-23 (Projected)	40	65	72	59	66	69	51	423
	Chavez	19-20 (Actual)	62	106	116	90	98	96	91	659
		20-21 (Actual)	54	94	99	103	76	86	88	600
		21-22 (Actual)	51	91	92	94	102	70	88	588
		22-23 (Projected)	58	92	89	88	91	100	69	587
	Crestwood	19-20 (Actual)	18	56	49	43	51	47	40	304
		20-21 (Actual)	13	46	48	44	35	50	43	279
		21-22 (Actual)	16	41	40	46	44	31	50	268
		22-23 (Projected)	15	45	39	38	45	43	30	256
	Huegel	19-20 (Actual)	36	77	71	62	78	77	82	483
		20-21 (Actual)	34	71	74	60	70	77	73	459
		21-22 (Actual)	41	68	67	67	60	59	79	441
		22-23 (Projected)	35	66	65	64	65	59	58	412
	Muir	19-20 (Actual)	50	83	89	66	47	66	59	460
		20-21 (Actual)	34	80	74	88	63	51	56	446
		21-22 (Actual)	36	69	73	69	75	57	52	431
		22-23 (Projected)	41	71	66	70	67	73	56	443
	Olson	19-20 (Actual)	38	72	63	67	74	66	61	441
		20-21 (Actual)	33	79	62	63	60	65	61	423
		21-22 (Actual)	33	79	73	63	61	56	61	426
		22-23 (Projected)	34	68	75	70	61	60	55	423
	Orchard Ridge	19-20 (Actual)	32	32	39	27	42	21	52	245
		20-21 (Actual)	21	41	29	32	31	34	19	207
		21-22 (Actual)	29	45	41	37	31	33	35	251
		22-23 (Projected)	24	35	43	39	36	30	32	240
Stephens	19-20 (Actual)	58	95	72	88	68	93	85	559	
	20-21 (Actual)	58	75	86	74	83	69	77	522	
	21-22 (Actual)	48	54	78	84	72	77	60	473	
	22-23 (Projected)	55	69	53	75	81	70	76	478	



Table 7: Elementary Schools (4K-5th grade) in West Area

School Area	School	Sch Year	K4	KG	01	02	03	04	05	Total
West	Leopold	19-20 (Actual)	60	115	106	111	90	104	97	683
		20-21 (Actual)	51	96	103	94	105	96	97	642
		21-22 (Actual)	51	97	96	102	91	98	91	626
		22-23 (Projected)	51	100	96	92	98	89	97	624
	Shorewood	19-20 (Actual)	34	79	79	72	74	71	62	471
		20-21 (Actual)	35	64	64	65	57	53	68	406
		21-22 (Actual)	14	49	61	64	58	55	48	349
		22-23 (Projected)	27	65	47	58	62	57	54	370
	Thoreau	19-20 (Actual)	32	73	68	64	71	59	80	447
		20-21 (Actual)	29	70	68	63	65	67	55	417
		21-22 (Actual)	30	65	66	66	58	59	67	411
		22-23 (Projected)	29	63	62	63	64	57	58	396
	Van Hise	19-20 (Actual)		65	78	77	77	75	69	441
		20-21 (Actual)		59	59	78	78	72	76	422
		21-22 (Actual)		62	60	60	75	77	73	407
		22-23 (Projected)		61	59	57	58	73	75	385
	Franklin	19-20 (Actual)	39	123	115	112				389
		20-21 (Actual)	33	90	109	107				339
		21-22 (Actual)	27	86	91	105				309
		22-23 (Projected)	37	95	82	87				301
	Randall	19-20 (Actual)					125	117	119	361
		20-21 (Actual)					105	118	109	332
		21-22 (Actual)					112	102	122	336
		22-23 (Projected)					133	109	100	343
	Midvale	19-20 (Actual)	30	153	128	131				442
		20-21 (Actual)	32	126	139	113				410
		21-22 (Actual)	21	122	121	138				402
		22-23 (Projected)	28	122	120	116				386
Lincoln	19-20 (Actual)	27				140	137	129	433	
	20-21 (Actual)	14				125	135	141	415	
	21-22 (Actual)	15				114	125	130	384	
	22-23 (Projected)	22				102	112	124	359	

Franklin and Randall are paired elementary schools; Midvale and Lincoln are paired elementary schools.

Table 8: Middle Schools in East and La Follette Area

School Area	School	Sch Year	06	07	08	Total
East	Black Hawk	19-20 (Actual)	131	134	140	405
		20-21 (Actual)	133	136	137	406
		21-22 (Actual)	121	133	133	387
		22-23 (Projected)	116	119	131	366
	O'Keeffe	19-20 (Actual)	146	150	150	446
		20-21 (Actual)	154	149	144	447
		21-22 (Actual)	140	157	160	457
		22-23 (Projected)	147	137	155	439
	Sherman	19-20 (Actual)	158	129	133	420
		20-21 (Actual)	158	140	132	430
		21-22 (Actual)	138	152	128	418
		22-23 (Projected)	145	135	151	430

School Area	School	Sch Year	06	07	08	Total
La Follette	Badger Rock	19-20 (Actual)	35	35	26	96
		20-21 (Actual)	35	34	32	101
		21-22 (Actual)	33	32	28	93
		22-23 (Projected)	35	32	32	99
	Sennett	19-20 (Actual)	214	218	201	633
		20-21 (Actual)	224	196	226	646
		21-22 (Actual)	214	229	195	638
		22-23 (Projected)	173	208	228	609
	Whitehorse	19-20 (Actual)	140	171	144	455
		20-21 (Actual)	158	138	170	466
		21-22 (Actual)	143	170	142	455
		22-23 (Projected)	148	140	168	456

Table 9: Middle Schools in Memorial and West Area

School Area	School	Sch Year	06	07	08	Total
Memorial	Jefferson	19-20 (Actual)	155	201	168	524
		20-21 (Actual)	151	151	183	485
		21-22 (Actual)	154	133	145	432
		22-23 (Projected)	145	150	132	427
	Spring Harbor	19-20 (Actual)	90	87	84	261
		20-21 (Actual)	87	83	85	255
		21-22 (Actual)	88	81	77	246
		22-23 (Projected)	90	86	80	256
	Toki	19-20 (Actual)	210	211	202	623
		20-21 (Actual)	208	202	210	620
		21-22 (Actual)	174	204	198	576
		22-23 (Projected)	204	171	201	576

School Area	School	Sch Year	06	07	08	Total
West	Cherokee	19-20 (Actual)	241	167	189	597
		20-21 (Actual)	212	242	166	620
		21-22 (Actual)	196	200	223	619
		22-23 (Projected)	176	190	200	565
	Hamilton	19-20 (Actual)	246	270	254	770
		20-21 (Actual)	245	215	262	722
		21-22 (Actual)	236	238	214	688
		22-23 (Projected)	224	231	235	690
	Wright	19-20 (Actual)	93	82	79	254
		20-21 (Actual)	93	88	75	256
		21-22 (Actual)	86	87	83	256
		22-23 (Projected)	90	84	86	260

Table 10: Traditional High Schools

School	Sch Year	09	10	11	12	Total
East	19-20 (Actual)	435	403	406	407	1,651
	20-21 (Actual)	439	435	383	421	1,678
	21-22 (Actual)	423	438	438	426	1,725
	22-23 (Projected)	459	420	436	506	1,821
La Follette	19-20 (Actual)	411	403	384	410	1,608
	20-21 (Actual)	352	389	397	422	1,560
	21-22 (Actual)	388	328	399	425	1,540
	22-23 (Projected)	318	376	332	425	1,451
Memorial	19-20 (Actual)	529	526	470	488	2,013
	20-21 (Actual)	492	516	525	501	2,034
	21-22 (Actual)	513	506	513	543	2,075
	22-23 (Projected)	504	516	487	583	2,090
West	19-20 (Actual)	540	582	524	569	2,215
	20-21 (Actual)	526	513	556	557	2,152
	21-22 (Actual)	538	506	518	613	2,175
	22-23 (Projected)	504	527	480	600	2,110

Table 11: Alternative High Schools

School	Sch Year	09	10	11	12	Total
Capital	19-20 (Actual)	15	27	44	42	128
	20-21 (Actual)	18	30	53	58	159
	21-22 (Actual)	26	32	52	82	192
	22-23 (Projected)	23	33	46	81	183
Innovative & Alt	19-20 (Actual)	1	2	17	123	143
	20-21 (Actual)	2	15	26	94	137
	21-22 (Actual)		2	11	112	125
	22-23 (Projected)		2	10	151	163
Metro School	19-20 (Actual)		3	4	13	20
	20-21 (Actual)	2	1	2	12	17
	21-22 (Actual)	1		3	12	16
	22-23 (Projected)			3	16	19
Shabazz	19-20 (Actual)	13	19	33	48	113
	20-21 (Actual)	9	19	32	37	97
	21-22 (Actual)	15	22	23	33	93
	22-23 (Projected)	13	23	21	35	92

Table 12: 4K/PK Offsite Enrollment

School	Sch Year	K4
4K PK Off Site	19-20 (Actual)	676
	20-21 (Actual)	525
	21-22 (Actual)	466
	22-23 (Projected)	595

The graphics in this section of the appendix show a three-year enrollment history and a one-year projection by the four high school attendance areas. Each graphic is broken down by school level and is ordered highest to lowest projected change in enrollment from left to right. The **light blue dots** show the one-year projected enrollment, while the **dark blue dots** show the actual historical enrollment. The number in parenthesis above each projected number denotes the one-year change in enrollment from the actual 2021-22 enrollment.

These visually represent the tabular data from earlier in this appendix (**Appendix 4**)

Figure 13: Elementary Schools (4K-5th grade) in East High Area

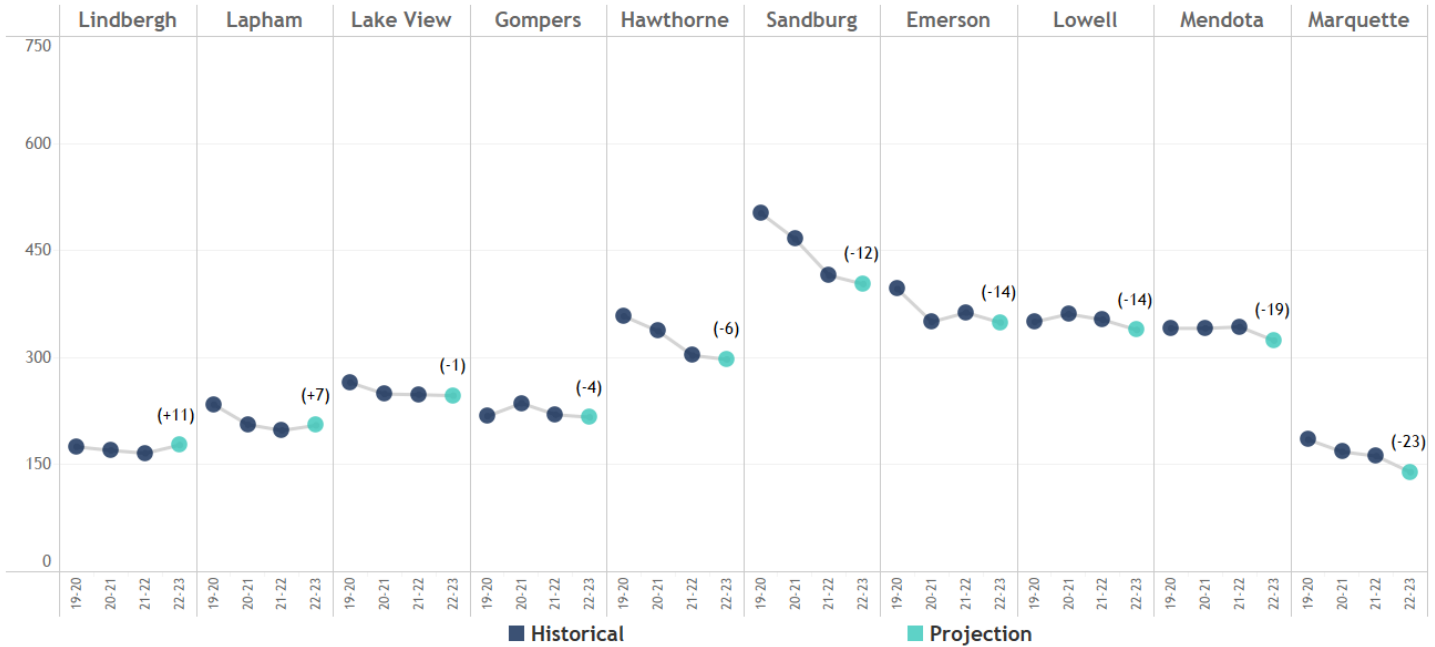


Figure 14: Elementary Schools (4K-5th grade) in La Follette Area

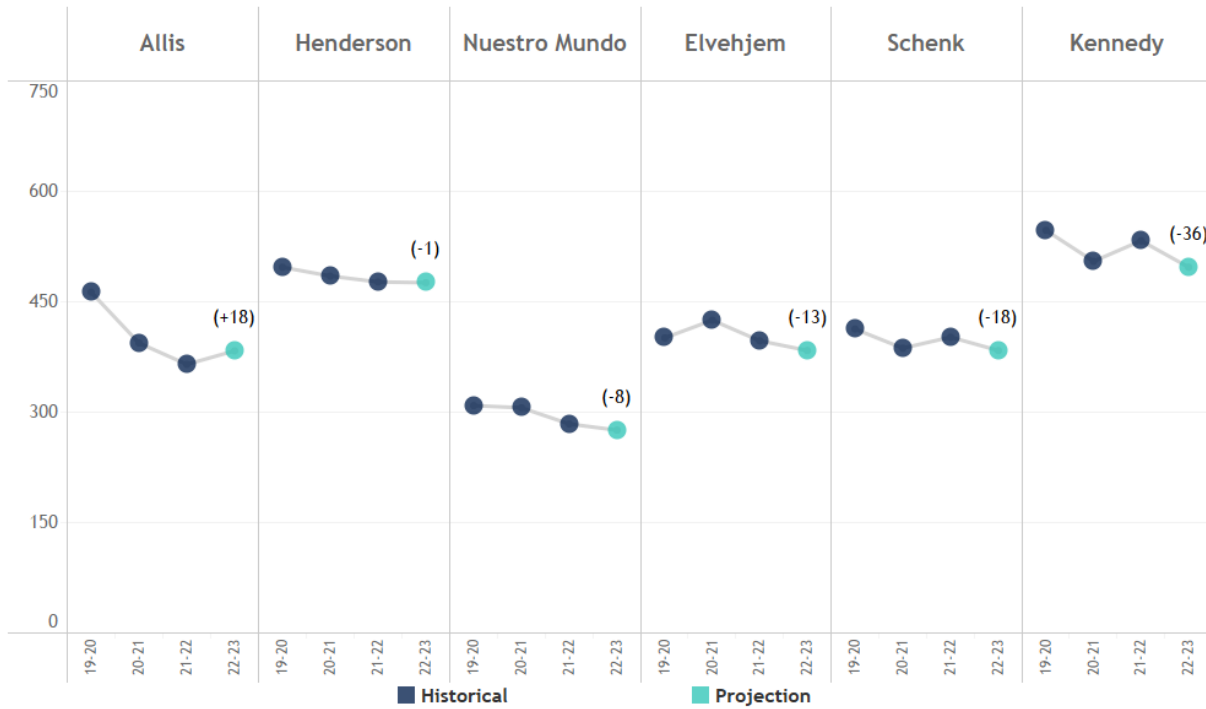


Figure 15: Elementary Schools (4K-5th grade) in Memorial Area

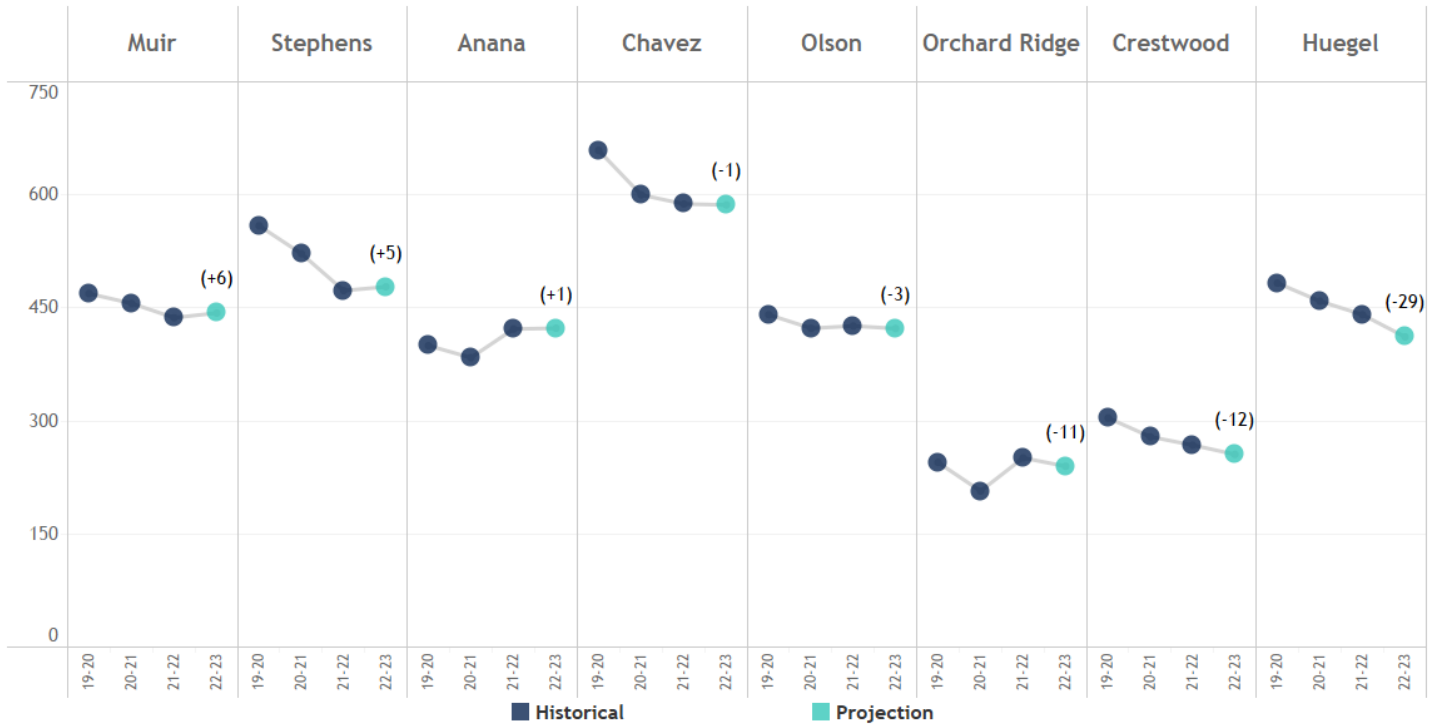


Figure 16: Elementary Schools (4K-5th grade) in West Area

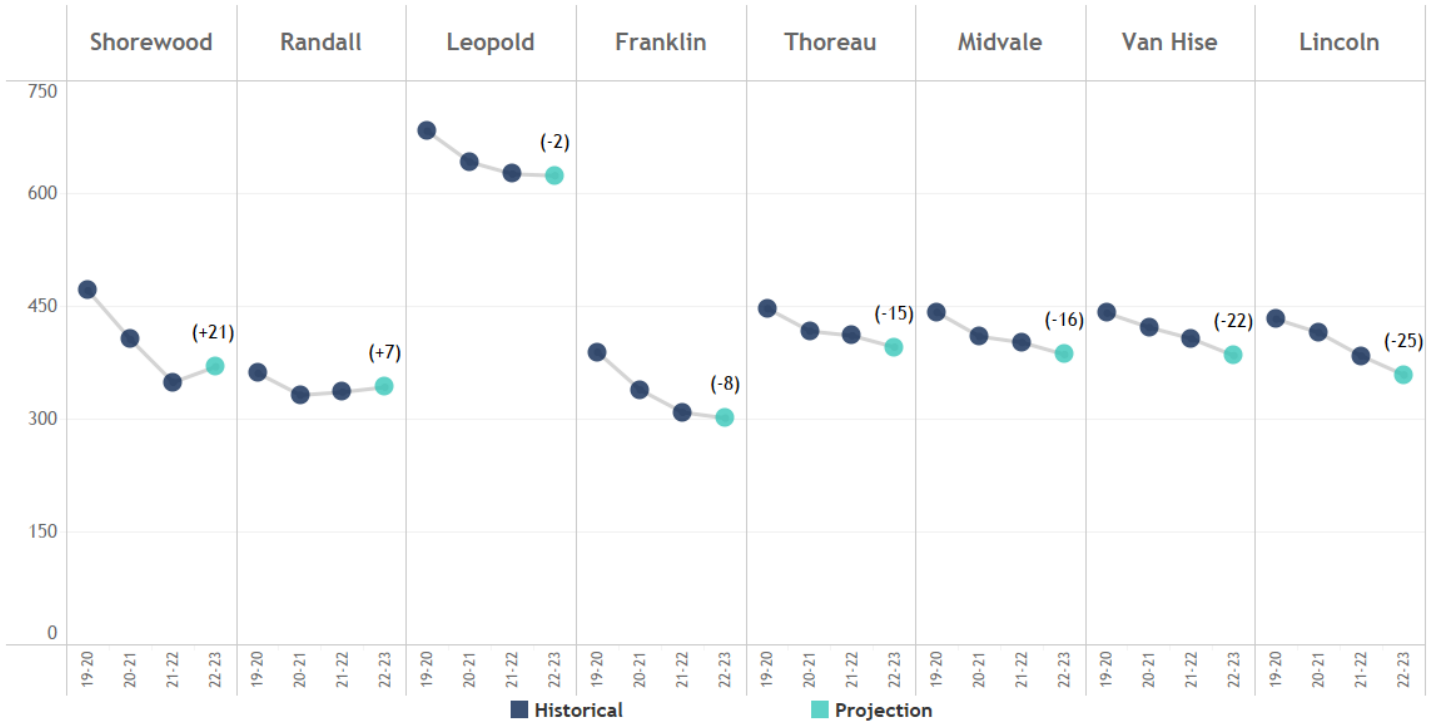


Figure 17: Middle Schools in East and La Follette Area

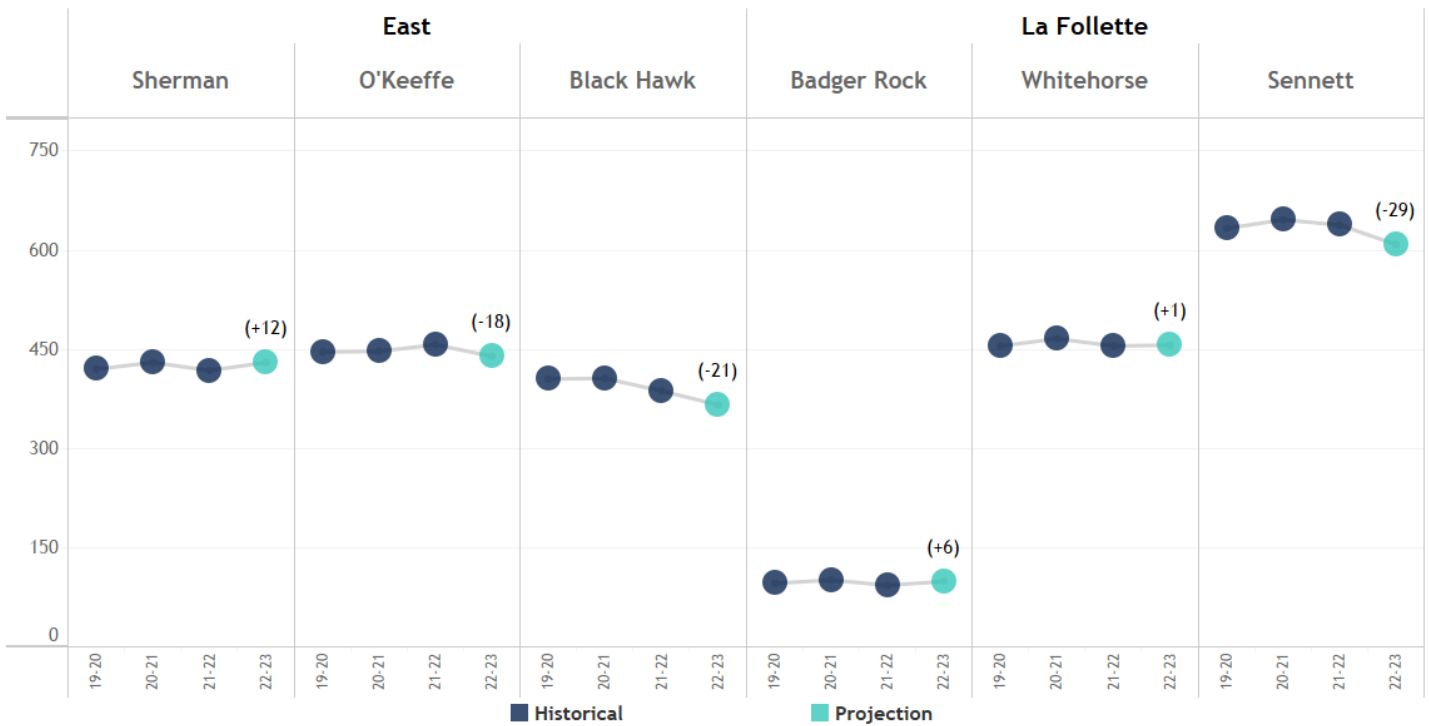


Figure 18: Middle Schools in Memorial and West Area

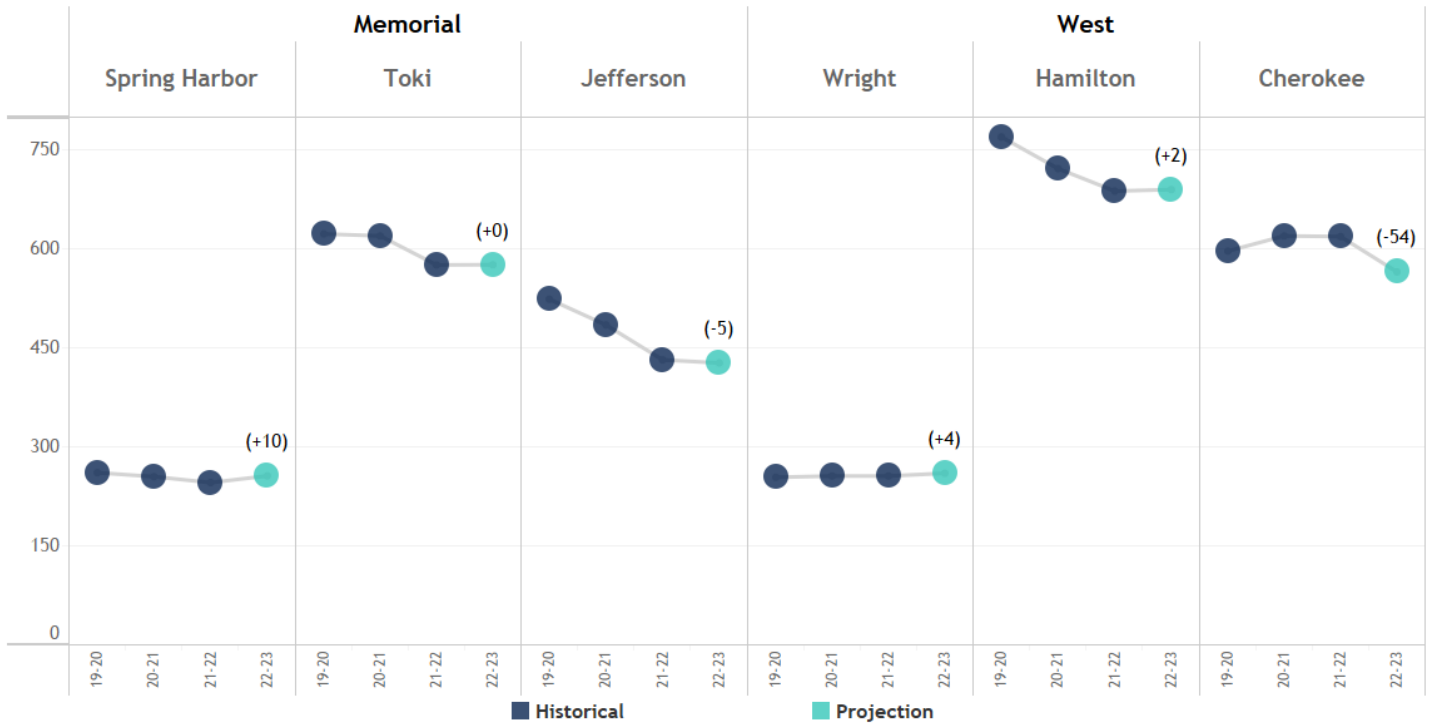


Figure 19: Traditional High Schools

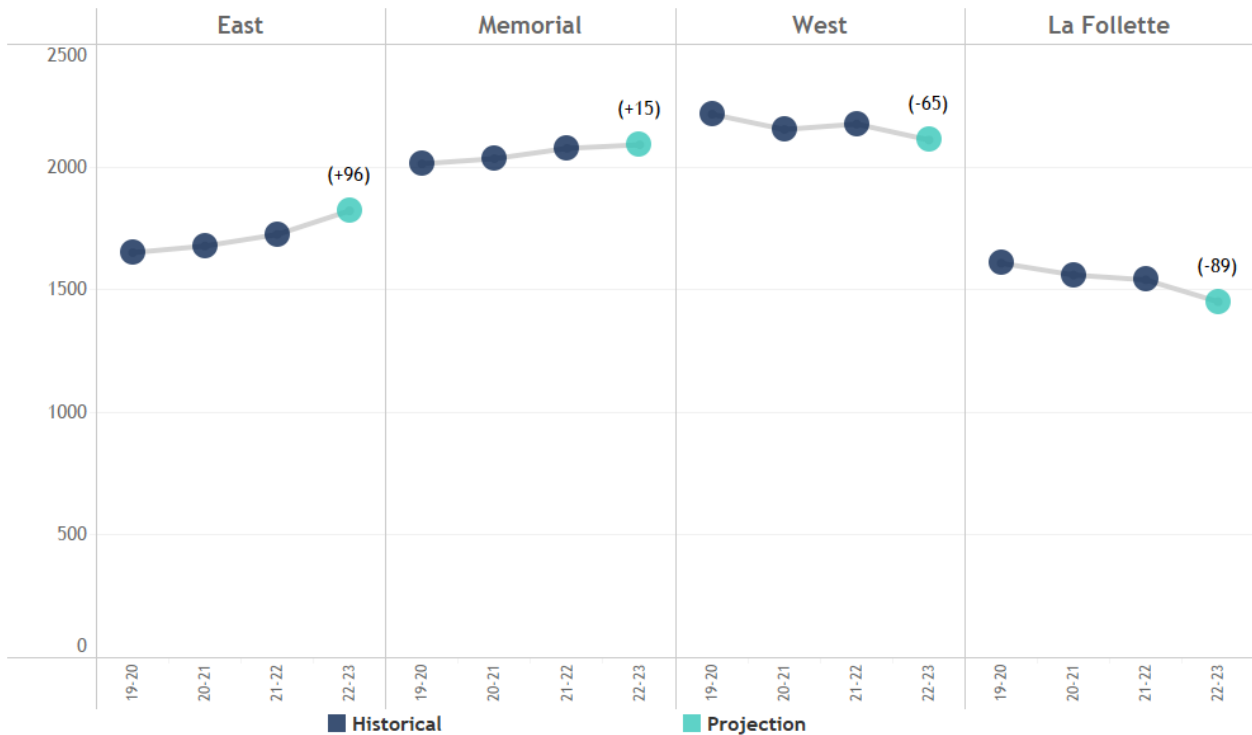
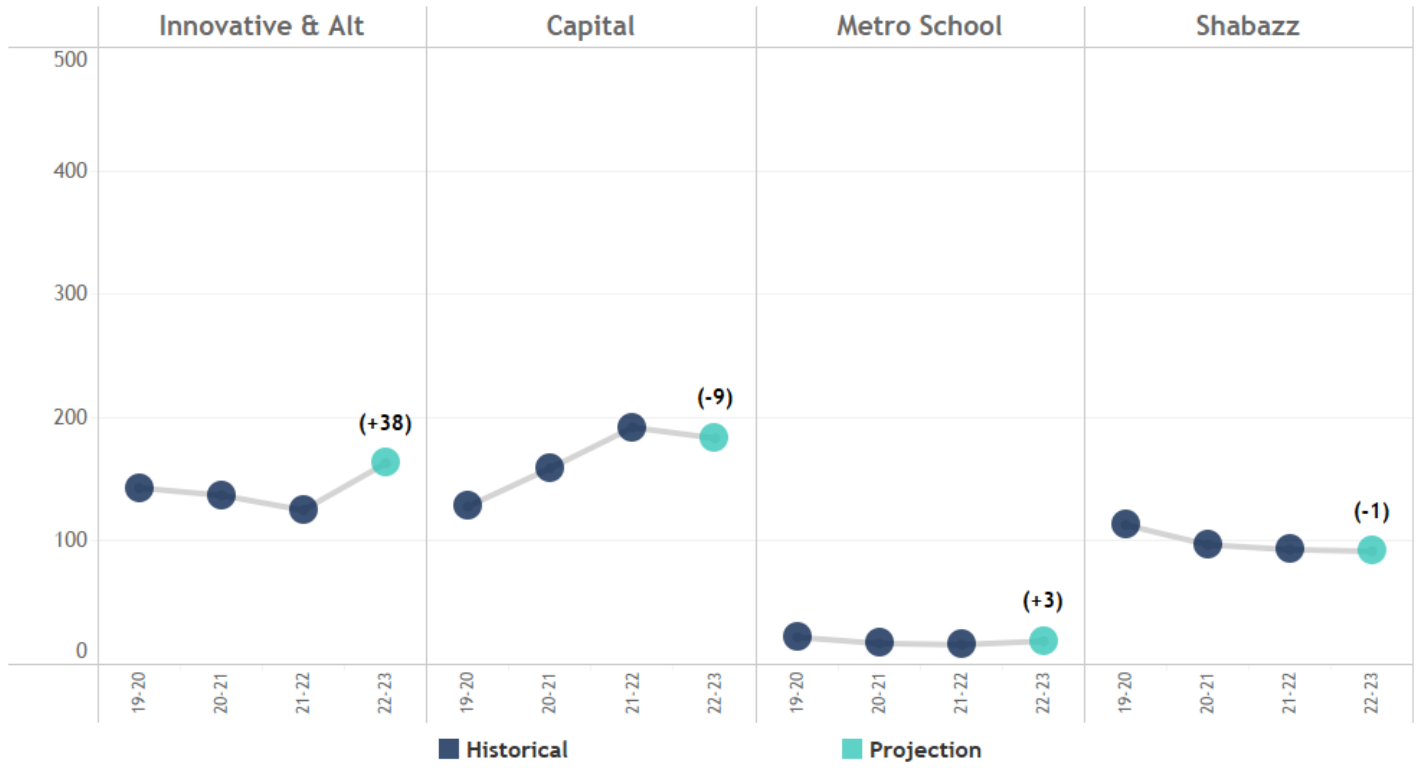


Figure 20: Non-Traditional Schools



Appendix 5: Students not counted during the 2021-22 Third Friday headcount and reason for ending enrollment in MMSD

A large majority of students ending their enrollment before Third Friday moved to another Wisconsin school district. The table below shows the counts and percent of students who ended their enrollment before Third Friday in 2021-22.

Between the 2020-21 and 2021-22 school year, 2,731 students recorded an end date to their enrollment and were not included in the Third Friday count. The majority of these end dated enrollments (**63%**) were students transferring to another Wisconsin public school district - either through the Open Enrollment program or by moving to a different district. Just over 10% of these students transferred to a private or homeschool setting, while 15% transferred out of state. These trends fall in line with what the District historically experiences.

Table 13: Enrollment End Status Counts between 2020-21 & 2021-22

End Status (code)	#	%
Moved to another WI district (TC)	1,520	56%
Moved out-of-state (TOS)	420	15%
Misc (Below Compulsory Age; Max Age; Death)	277	10%
Private/parochial school (TNC)	197	7%
Open Enrollment to another WI district (TC)	114	4%
Drop Out (ODO)	76	3%
Homeschooling (TNC)	72	3%
International Move (INM)	54	2%