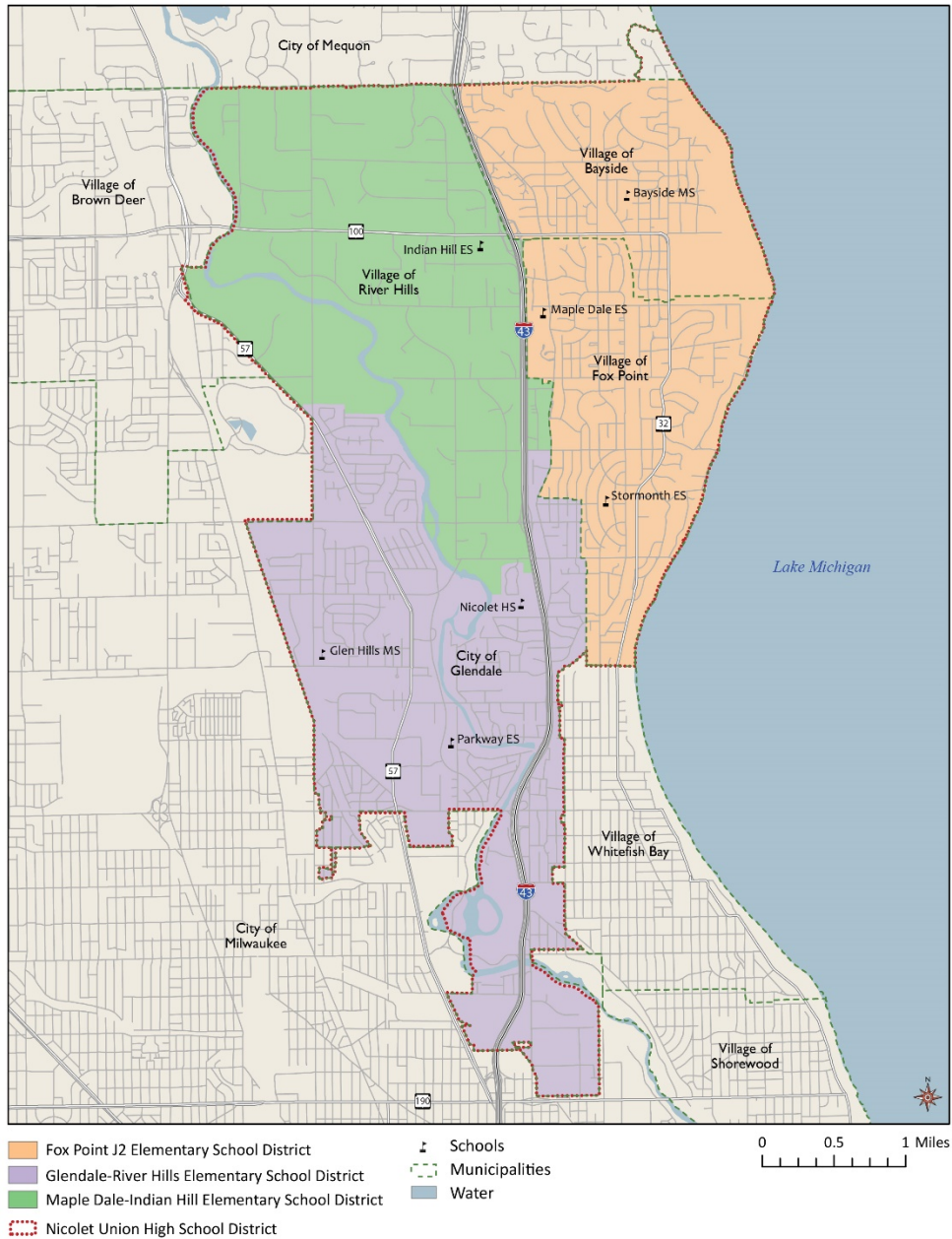


# Planning for the Schools of Tomorrow



## School Projections Report for Nicolet Union High School, Fox Point-Bayside, Glendale-River Hills, and Maple Dale-Indian Hill

May 2020

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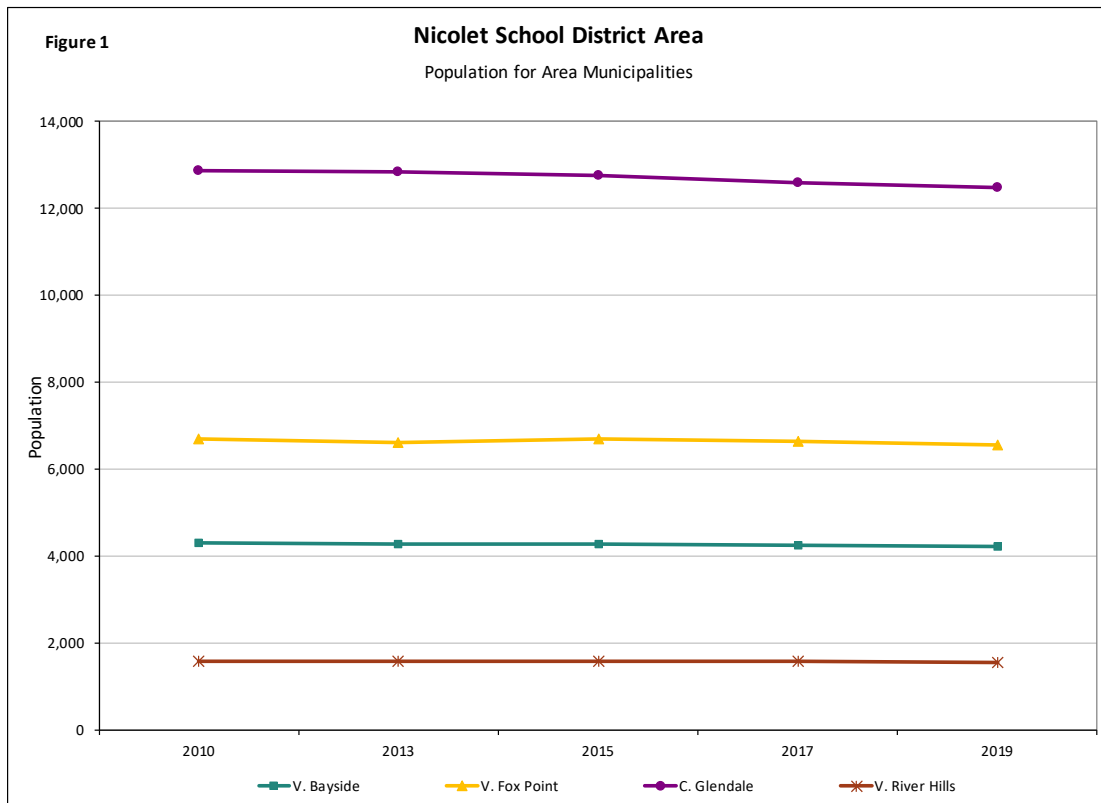
## Introduction

This report offers a summary of the district projections analysis completed for the Nicolet School District area by the Applied Population Laboratory, University of Wisconsin-Madison. Projections (2020/21-29/30) are provided for each of the districts, as well as individually for each grade and grade grouping. The projections process uses a combination of historical membership counts (FTE students), municipal births, population trends, and housing starts to create reasonable assumptions about future growth scenarios and the likely impact on each school district.

## General Population Estimates

This section examines general population trends for the municipalities that fall within the Nicolet School District area. Changes in the total population of the district area, particularly when examined by age, provide some clues into how the school age population may be changing.

Figure 1 and Table 1 provide 2010 U.S. Census population and Wisconsin Department of Administration (DOA) estimates from 2013 to 2019 for the district area municipalities. These municipal populations can be compared with the population for Milwaukee County and the State of Wisconsin. Overall, the district area's total population has declined over the last nine years.



**Table 1**  
**Total Population by Municipality: 2010-2019**  
**Nicolet School District Area**

Municipality	POPULATION				
	Census 2010	est. 2013	est. 2015	est. 2017	est. 2019
V. Bayside	4,300	4,290	4,286	4,253	4,214
V. Fox Point	6,701	6,630	6,690	6,648	6,571
C. Glendale	12,872	12,845	12,753	12,604	12,483
V. River Hills	1,597	1,587	1,581	1,577	1,558
<b>District Area</b>	<b>25,470</b>	<b>25,352</b>	<b>25,310</b>	<b>25,082</b>	<b>24,826</b>
Milwaukee County	947,735	950,410	949,795	945,416	946,296
State of Wisconsin	5,686,986	5,717,110	5,753,324	5,783,278	5,843,443

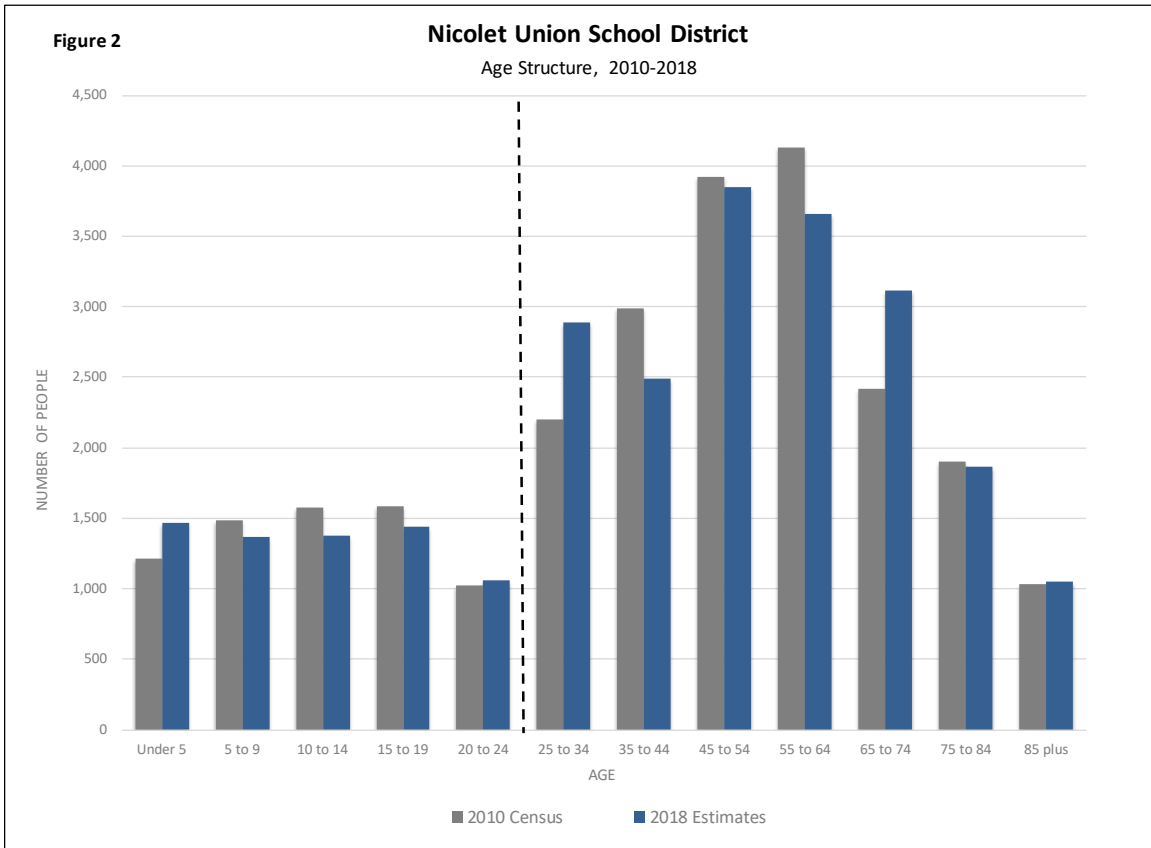
Municipality	PERCENT CHANGE				
	2010 to 2013	2013 to 2015	2015 to 2017	2017 to 2019	2010 to 2019
V. Bayside	-0.2%	-0.1%	-0.8%	-0.9%	-2.0%
V. Fox Point	-1.1%	0.9%	-0.6%	-1.2%	-1.9%
C. Glendale	-0.2%	-0.7%	-1.2%	-1.0%	-3.0%
V. River Hills	-0.6%	-0.4%	-0.3%	-1.2%	-2.4%
<b>District Area</b>	<b>-0.5%</b>	<b>-0.2%</b>	<b>-0.9%</b>	<b>-1.0%</b>	<b>-2.5%</b>
Milwaukee County	0.3%	-0.1%	-0.5%	0.1%	-0.2%
State of Wisconsin	0.5%	0.6%	0.5%	1.0%	2.8%

Source: U. S. Census Bureau & Demographic Services Center, WIDOA

Figures 2-5 and Tables 2-5 compare the total population by age from the 2010 Census and 2018 American Community Survey for each school district. When reviewing these figures ages 0 to 24 are in five-year increments, while ages 25 and older are in ten-year increments. Table 2 shows the population which has grown overall by 157 people. It can be observed in the district area that:

- the number of young people ages 1-19 decreased by 216 youth.
- young adults (ages 20-34) in the district area increased by 725 people.
- the adult population ages 35-64 has seen a decrease of 1,038 residents.
- older adults age 65 and over have grown by 686 residents.

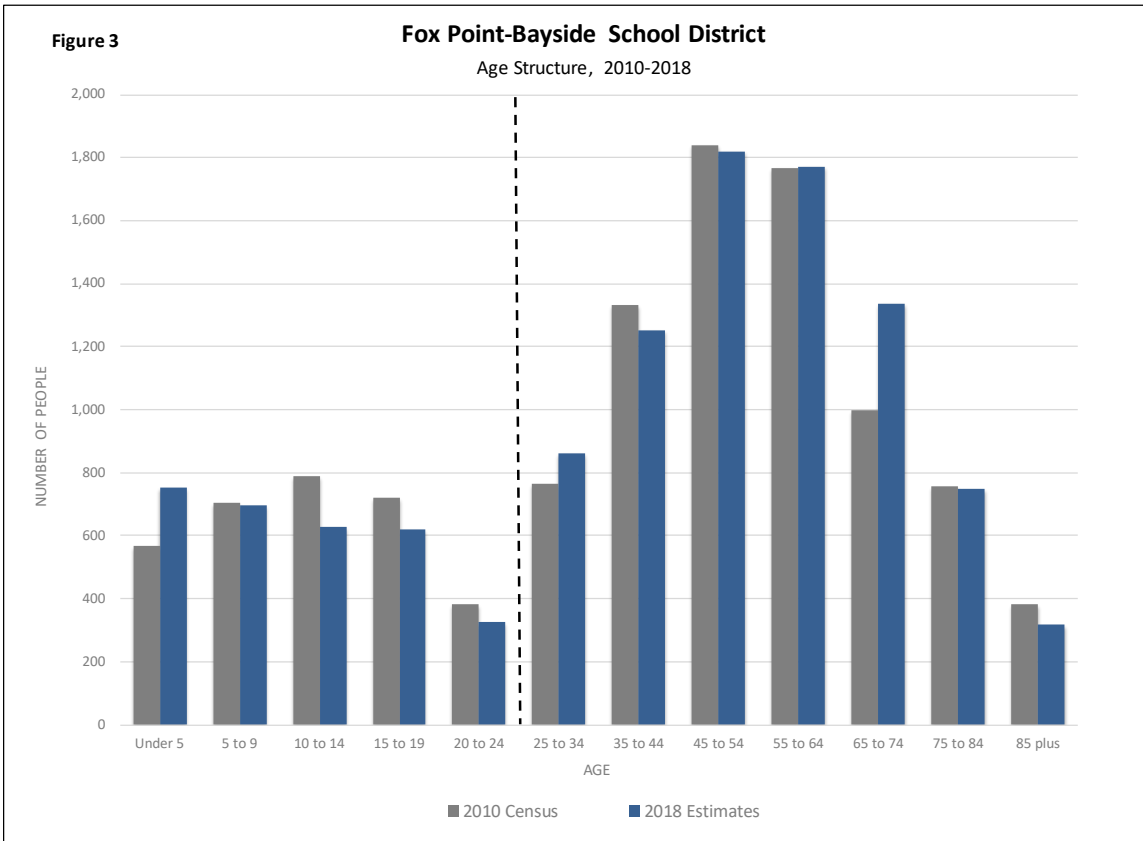




**TABLE 2**  
**Population by Age, 2010-2018**  
**Nicolet Union School District**

Age	2018	2010	Difference
Under 5	1,463	1,217	246
5 to 9	1,367	1,484	-117
10 to 14	1,375	1,576	-201
15 to 19	1,440	1,584	-144
20 to 24	1,064	1,027	37
25 to 34	2,886	2,198	688
35 to 44	2,493	2,985	-492
45 to 54	3,846	3,919	-73
55 to 64	3,660	4,133	-473
65 to 74	3,117	2,415	702
75 to 84	1,867	1,903	-36
85 plus	1,049	1,029	20
<b>Total</b>	<b>25,627</b>	<b>25,470</b>	<b>157</b>



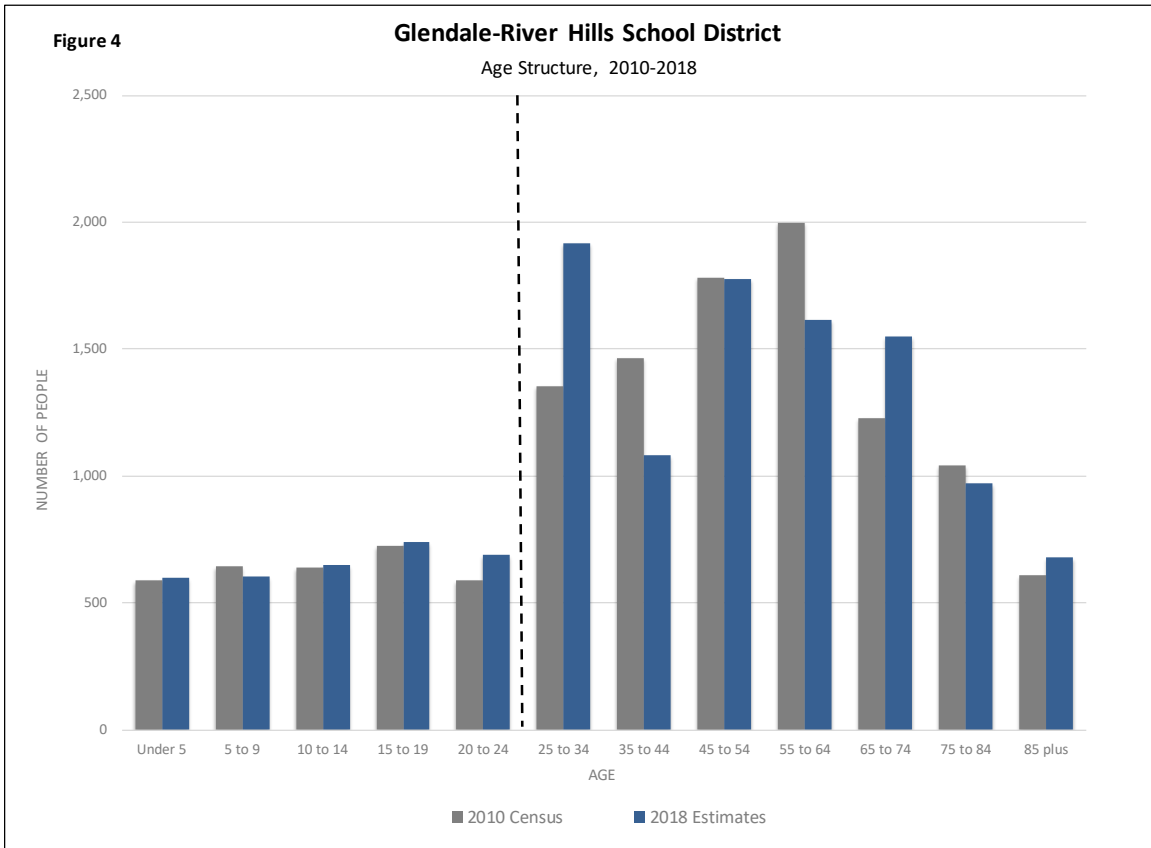


**TABLE 3**  
**Population by Age, 2010-2018**  
**Fox Point-Bayside School District**

Age	2018	2010	Difference
Under 5	753	569	184
5 to 9	695	705	-10
10 to 14	629	788	-159
15 to 19	622	719	-97
20 to 24	326	384	-58
25 to 34	862	766	96
35 to 44	1,252	1,331	-79
45 to 54	1,820	1,839	-19
55 to 64	1,771	1,766	5
65 to 74	1,338	998	340
75 to 84	748	755	-7
85 plus	317	381	-64
<b>Total</b>	<b>11,133</b>	<b>11,001</b>	<b>132</b>



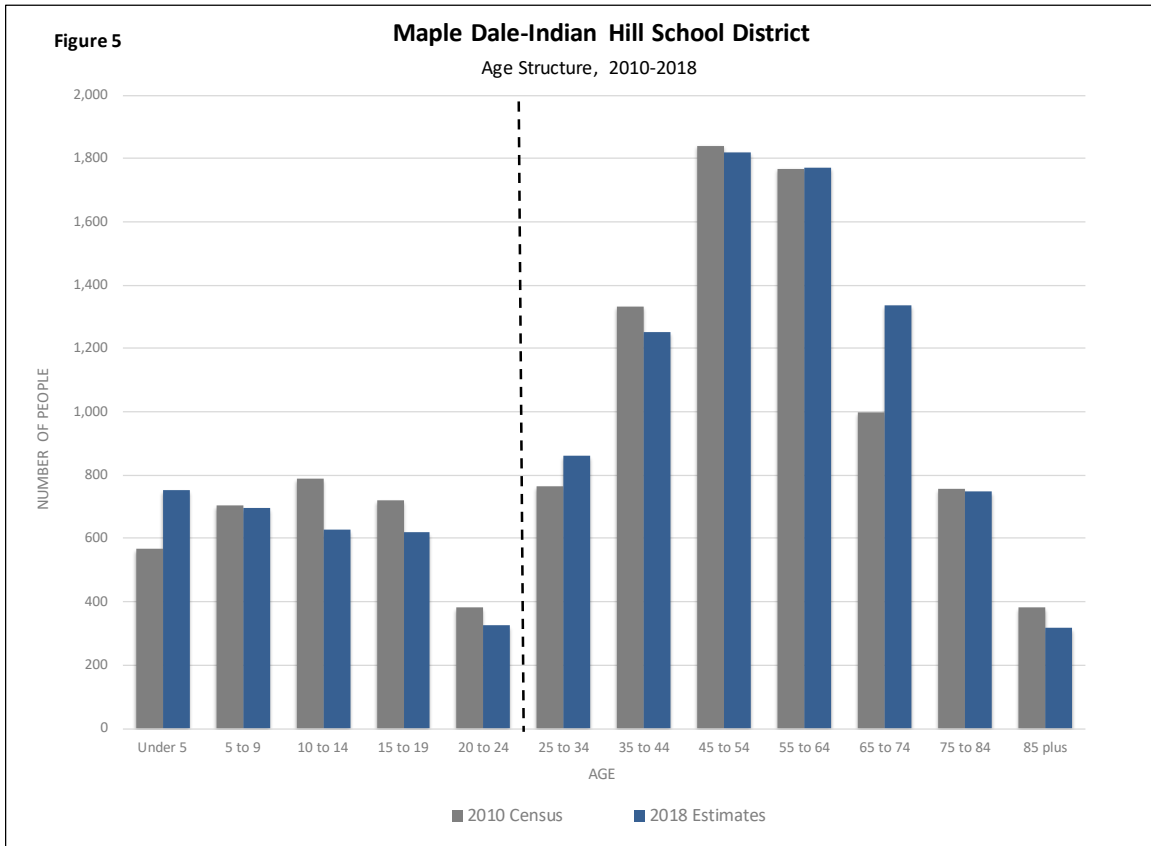




**TABLE 4**  
**Population by Age, 2010-2018**  
**Glendale-River Hills School District**

Age	2018	2010	Difference
Under 5	600	589	11
5 to 9	606	645	-39
10 to 14	649	641	8
15 to 19	741	726	15
20 to 24	690	588	102
25 to 34	1,918	1,352	566
35 to 44	1,081	1,465	-384
45 to 54	1,776	1,783	-7
55 to 64	1,615	1,996	-381
65 to 74	1,548	1,230	318
75 to 84	972	1,040	-68
85 plus	677	607	70
<b>Total</b>	<b>12,873</b>	<b>12,662</b>	<b>211</b>





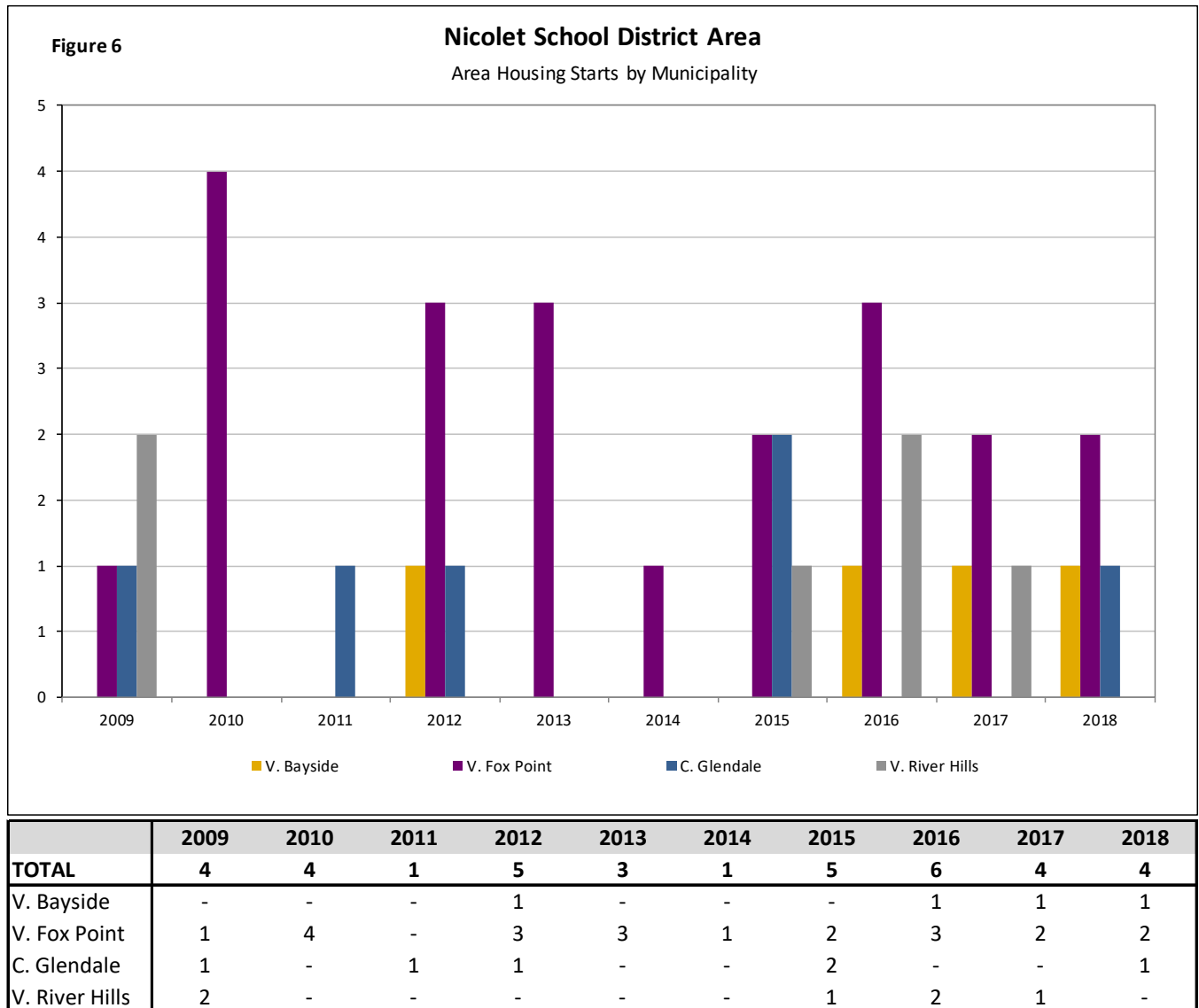
**TABLE 5**  
**Population by Age, 2010-2018**  
**Maple Dale-Indian Hill School District**

Age	2018	2010	Difference
Under 5	110	59	51
5 to 9	66	134	-68
10 to 14	97	147	-50
15 to 19	77	139	-62
20 to 24	48	55	-7
25 to 34	106	80	26
35 to 44	160	189	-29
45 to 54	250	297	-47
55 to 64	274	371	-97
65 to 74	231	187	44
75 to 84	147	108	39
85 plus	55	41	14
Total	1,621	1,807	-186



## Residential Development Trends

Figure 6 shows the number of residential building permits issued by municipality for communities within the school district area.



Examining trends in recent housing development can help to explain how in-migration into the Nicolet School District area might be affecting school enrollment. If the number of housing starts in the district area is expected to be reasonably consistent for the next several years, then we assume that in-migration of school-age children will also remain relatively consistent. If the number of housing starts is expected to increase significantly above and beyond recent levels, in-migration may play an increasing role in school district enrollment. However, it is important to recognize that the number of housing starts in any given year is dependent upon a large number of confounding variables (decisions of local, county, and state policy makers, residential developers, interest rates, and demand for housing), making future growth patterns difficult to predict.

There is limited land available for home construction in the municipalities within the Nicolet School District area. Construction of single family homes averaged 4 new homes in the last five years and no two family or multi-family units were constructed over the last ten years. Households in single family homes, on average, tend to contain more school-aged children than in two family and multi-family complexes.

It is also important to consider home ownership of existing housing stock and how it contributes to changes in enrollment. A district can increase or decrease in enrollment depending upon the cycle of resident homeowners. For instance, a younger community will have a higher child-per-household ratio, while an older community will have a lower child-per-household ratio.

In older communities the slowing of home sales results in a decrease in the child-per-household over time. Eventually as younger families move into an area, the school district will begin to see new students enrolling into the district's schools. A change in home ownership may happen over the course of several years at varying rates and may differ between neighborhoods. Absent housing turnover, families age in place and the number of school-aged children declines.



## Nicolet Union School District

The following pages provide student membership history and district projections for Nicolet Union High School. These projections create reasonable assumptions about future enrollment change.

### Student Membership

Tables 7 and 8 and Figure 7 show the last six years of student membership (resident students attending the high school plus open enrollment “out” students) at Nicolet High School. The student membership has decreased overall, from 1,091 students in the 2014/15 school year to 1,026 students in 2019/20. This is a loss of 65 students, or a 6% decrease (-1.2% annually) in the number of students.

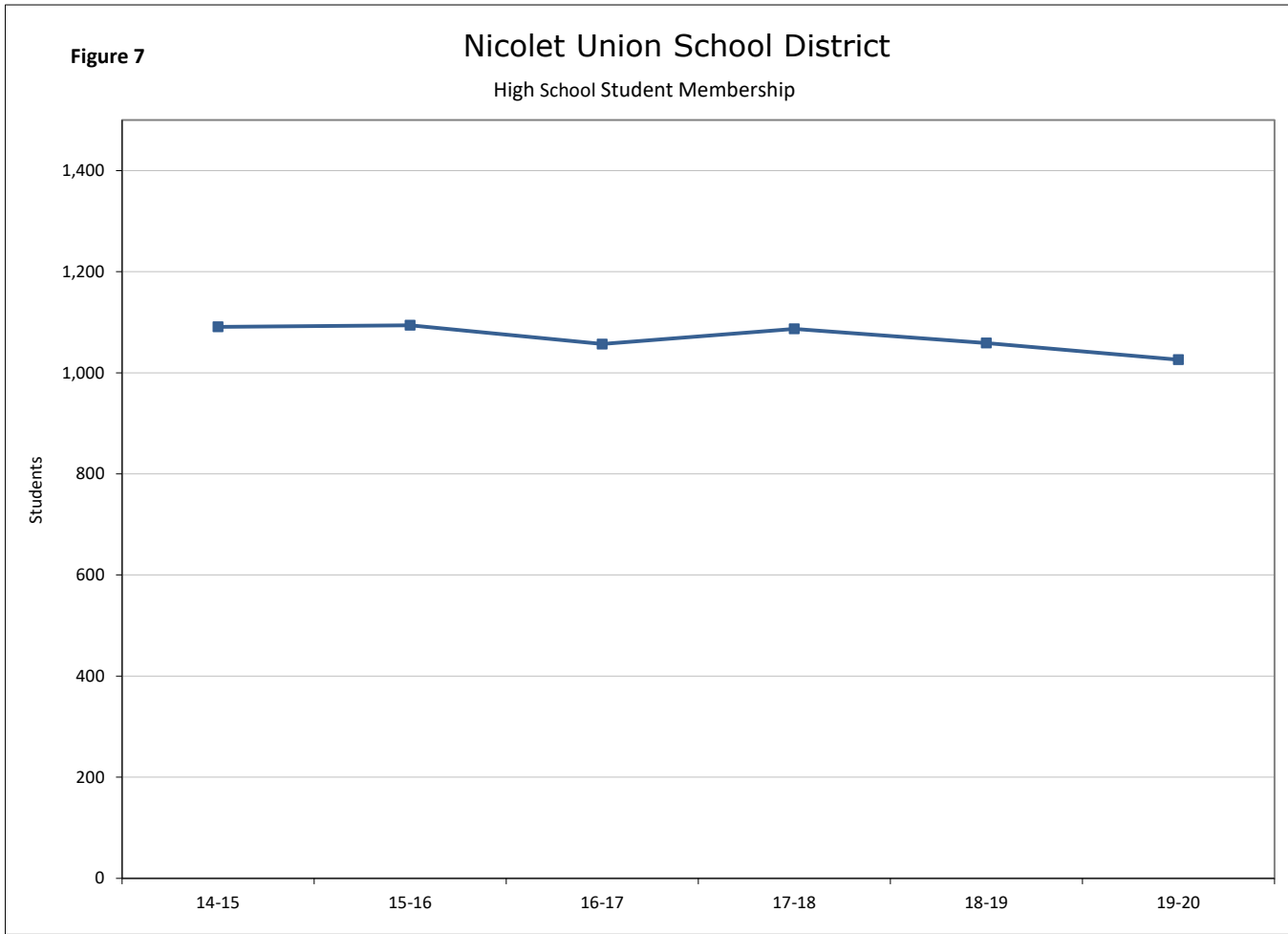
**TABLE 7**  
**Student Membership**  
**Nicolet Union School District**

	SCHOOL YEAR					
	14-15	15-16	16-17	17-18	18-19	19-20
9	282	289	236	266	264	273
10	247	280	294	244	255	266
11	284	250	277	290	245	249
12	278	275	250	287	295	238
<b>TOTAL</b>	<b>1,091</b>	<b>1,094</b>	<b>1,057</b>	<b>1,087</b>	<b>1,059</b>	<b>1,026</b>

**TABLE 8**  
**Student Membership Changes**  
**Nicolet Union School District**

GRADE	ABSOLUTE CHANGE	PERCENT CHANGE	ANNUAL CHANGE
	'14 to '19	'14 to '19	'14 to '19
9	-9	-3.2	-0.6
10	19	7.7	1.5
11	-35	-12.3	-2.5
12	-40	-14.4	-2.9
<b>TOTAL</b>	<b>-65</b>	<b>-6.0</b>	<b>-1.2</b>





### Grade Progression Ratios

In order to generate school projections, we rely on a commonly used demographic technique called the “cohort survival” method or the “grade progression ratio” method. This method advances current students through the school system over time and applies rates of transfer (or “survival”) as the students who are now in school age from year-to-year and grade-to-grade. It is through these rates of transfer that we make assumptions about how migration into and out of the district and transfers to and from different schools or home schooling will impact the future.

Grade progression ratios are used to measure changes in students, year-to-year and grade-to-grade, that have occurred within the school district in the recent past. By examining these, we can better understand recent changes. We use these ratios as the rates of transfer to inform future student projections.



Table 9 shows the grade progression ratios for the Nicolet Union High School. The ratios measure the effects of in- and out-migration and the transfer of students between private and public schools. The ratios are calculated for several pairs of years and then averages of these based on different time frames are calculated for each grade.

**TABLE 9**  
**Grade Progression Ratios**  
**Nicolet Union School District**

<b>YEAR CHANGES</b>	<b>8:9</b>	<b>9:10</b>	<b>10:11</b>	<b>11:12</b>
<b>14-15/15-16</b>	1.230	0.993	1.012	0.968
<b>15-16/16-17</b>	1.118	1.017	0.989	1.000
<b>16-17/17-18</b>	1.215	1.034	0.986	1.036
<b>17-18/18-19</b>	1.123	0.959	1.004	1.017
<b>18-19/19-20</b>	1.167	1.008	0.976	0.971
<b>5 Year Trend</b>	<b>1.171</b>	<b>1.002</b>	<b>0.994</b>	<b>0.999</b>
<b>2 Year "Trend"</b>	<b>1.145</b>	<b>0.983</b>	<b>0.990</b>	<b>0.994</b>

The grade progression ratios can be interpreted in the following manner. The Two-Year “Trend” ratio for 9:10 is 0.983. This means that, on average, approximately 98.3% of ninth graders progress to the tenth grade in the school district. Eighth grade history and projections from the three 4K-8 school districts are used to calculate grade progression ratios between grades eighth and ninth and are used to project future ninth graders.

To forecast future student membership under different growth assumptions, three sets of grade progression ratios are calculated:

- Baseline: averages the past ten years of progression ratios, with outlying ratios (those outside of one standard deviation of the mean) excluded;
- Five-year Trend: averages the past five years of progression ratios with no exclusions;
- Two-year “Trend”: averages the past two years of progression ratios with no exclusions.



## Nicolet Union School District Projections

When considering all projections provided in this report for decision-making, it is important to recognize that population projections of all types are more accurate in the immediate future than they are farther into the future. Overall, these projections are more reliable over the next five years (up to the 2024/25 school year) than they are in the latter half of the next decade.

### Five-Year Trend Projections

The Five-Year Trend model (Table 10) uses the grade progression ratios from the last five years to project what future would look like if more recent patterns were representative of future trends. For the Five-Year Trend, student membership is projected to decrease from 1,026 students in 2019/20 to 1,003 students in 2024/25. With recent migration rates applied, student membership in the school district is projected to decrease by 23 students over the next five years.

**TABLE 10**  
**5 Year Trend Projection Model**  
**Nicolet Union School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
9	282	242	267	249	248	254	279	249	286	301
10	274	283	242	268	249	248	255	279	250	287
11	264	272	281	241	266	248	247	253	278	248
12	249	264	271	281	240	266	247	246	253	277
<b>TOTAL</b>	<b>1,069</b>	<b>1,060</b>	<b>1,062</b>	<b>1,038</b>	<b>1,003</b>	<b>1,016</b>	<b>1,028</b>	<b>1,029</b>	<b>1,067</b>	<b>1,114</b>





## Two-Year “Trend” Projections

The Two-Year “Trend” model (Table 11) uses the grade progression ratios from the last two years to project what future student membership would look like if even more recent patterns were representative of future trends. For the Two-Year “Trend,” student membership is projected to decrease from 1,026 students in 2019/20 to 985 students in 2024/25 or losing 41 students over the next five years.

**TABLE 11**  
**2 Year "Trend" Projection Model**  
**Nicolet Union School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
9	276	242	263	248	251	253	269	242	277	261
10	268	271	238	258	244	247	249	264	237	272
11	263	266	269	235	256	241	244	246	262	235
12	248	262	264	267	234	254	240	243	245	260
<b>TOTAL</b>	<b>1,055</b>	<b>1,041</b>	<b>1,034</b>	<b>1,009</b>	<b>985</b>	<b>995</b>	<b>1,002</b>	<b>995</b>	<b>1,021</b>	<b>1,029</b>



## Kindergarten Trend Projections

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This model assumes that the number of new kindergartners each year over the next decade will continue to follow a trend like the recent trend in kindergarten enrollment. The Five-Year Trend progression ratios are used for projecting the other grades in the district. For the high school, this means that these projections are the same as the Five-Year Trend for the next nine years. According to this hybrid projection model (Table 12), student membership is projected to decrease from 1,026 students in 2019/20 to 1,003 students in 2024/25, or a decrease of 23 students.

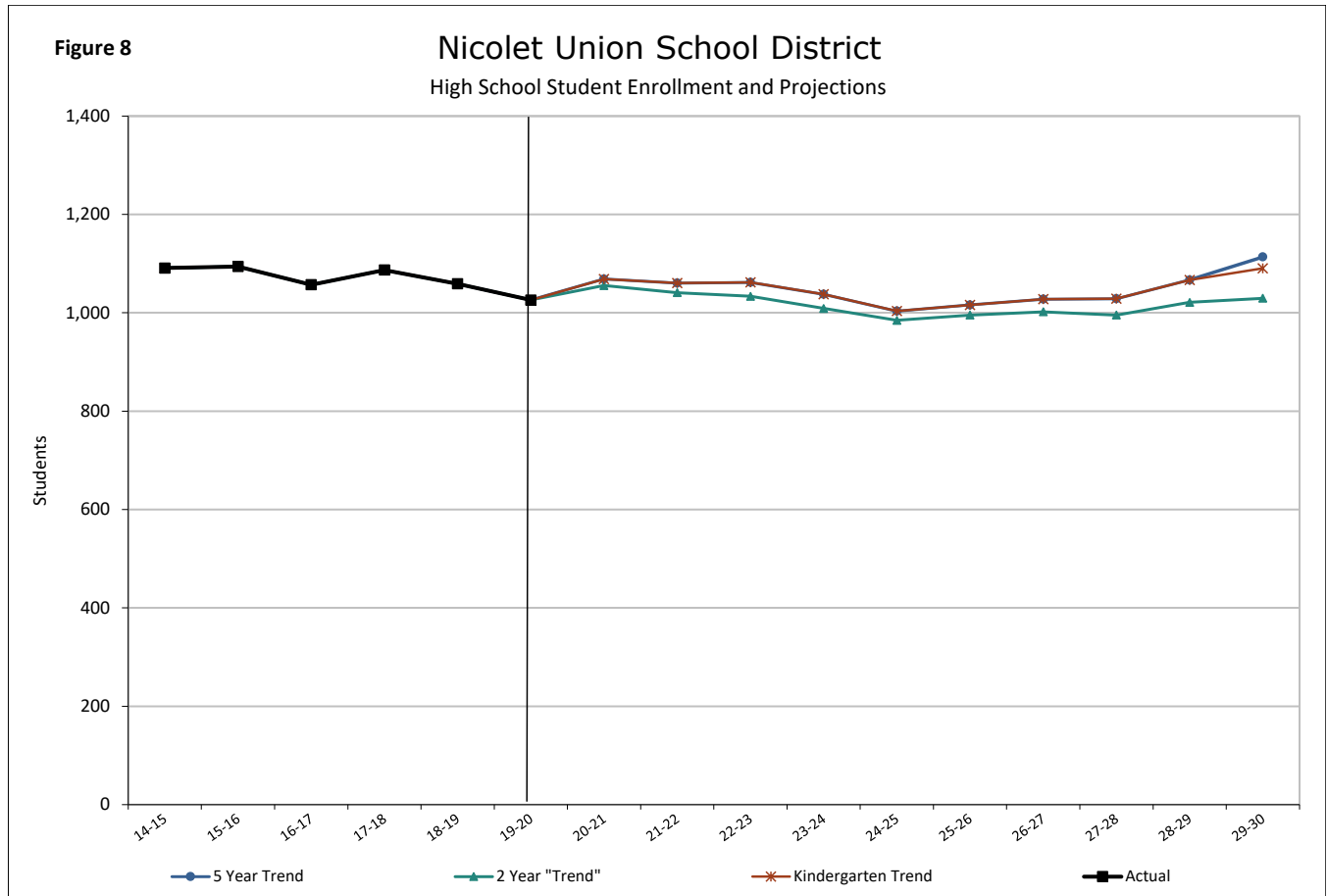
**TABLE 12**  
**Kindergarten Trend Projection Model**  
**Nicolet Union School District**

<b>GRADE</b>	<b>20-21</b>	<b>21-22</b>	<b>22-23</b>	<b>23-24</b>	<b>24-25</b>	<b>25-26</b>	<b>26-27</b>	<b>27-28</b>	<b>28-29</b>	<b>29-30</b>
9	282	242	267	249	248	254	279	249	286	278
10	274	283	242	268	249	248	255	279	250	287
11	264	272	281	241	266	248	247	253	278	248
12	249	264	271	281	240	266	247	246	253	277
<b>TOTAL</b>	<b>1,069</b>	<b>1,060</b>	<b>1,062</b>	<b>1,038</b>	<b>1,003</b>	<b>1,016</b>	<b>1,028</b>	<b>1,029</b>	<b>1,067</b>	<b>1,090</b>



## Comparison of Projections Models – Nicolet Union School District

Figure 8 and Table 13 compare the student membership projection models for the Nicolet Union School District.



**TABLE 13**  
**Summary of High School Enrollment Projections**  
**Nicolet Union School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
5 Year Trend	1,069	1,060	1,062	1,038	1,003	1,016	1,028	1,029	1,067	1,114
2 Year "Trend"	1,055	1,041	1,034	1,009	985	995	1,002	995	1,021	1,029
Kindergarten Trend	1,069	1,060	1,062	1,038	1,003	1,016	1,028	1,029	1,067	1,090

All three models project slightly increasing student membership for next year followed by a decrease in students. The Two-Year "Trend" model projects the greatest decrease over the next five years. Grades 9-12 projections five years from now (2024/25) forecast a range of student membership from 985 to 1,003.

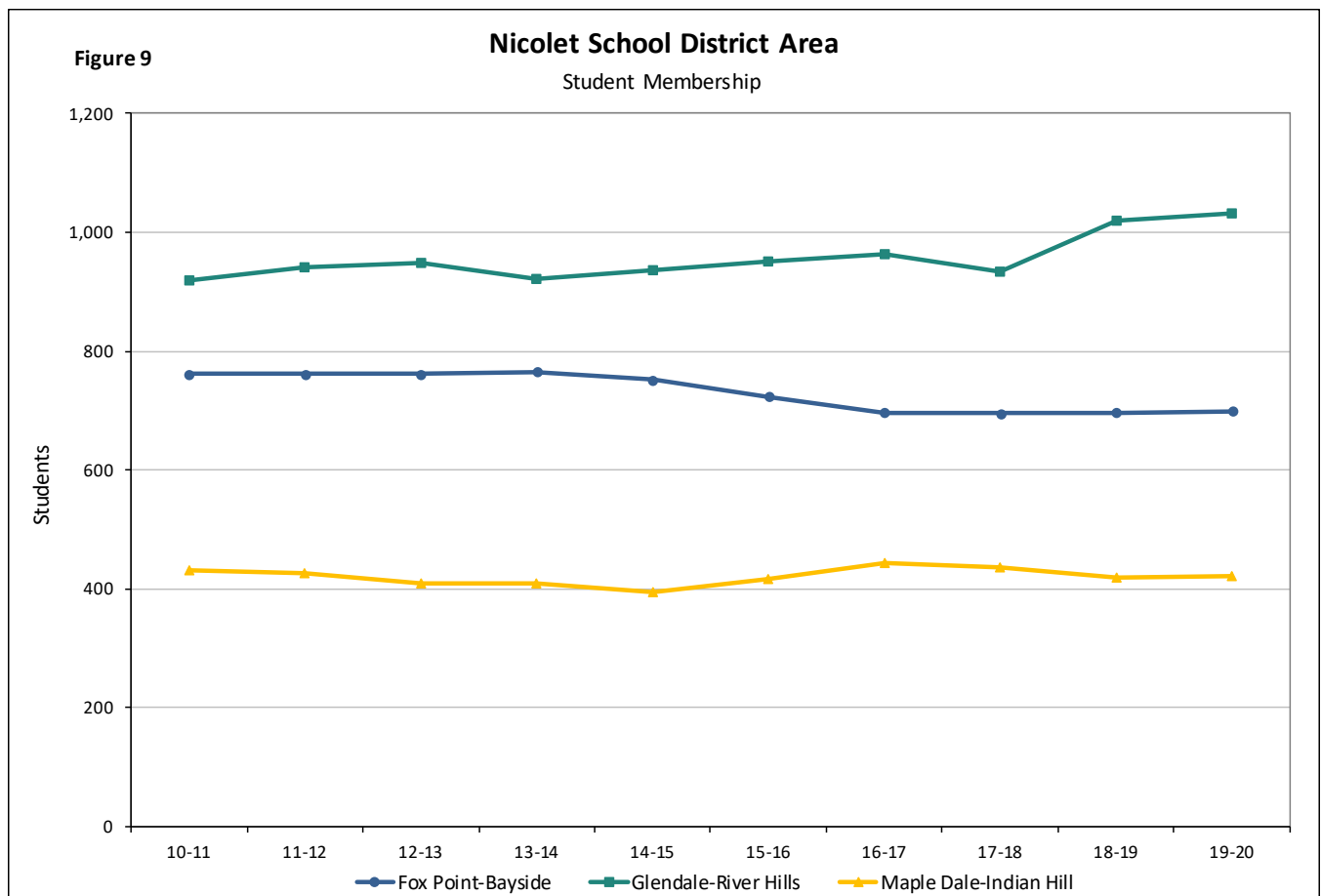


## Projections for the 4K-8 School Districts

The remaining pages provide projections for the three 4K-8 schools in the Nicolet School District area including: Fox Point-Bayside School District, Glendale-River Hills School District, and Maple Dale-Indian Hill School District. When considering these projections, it is important to remember that projections made for smaller units of geography with fewer students, such as elementary school districts, are not as consistent as larger school district. Keeping this in mind, these projections do serve as a reasonable guide for projecting the future trend and magnitude of change in student membership.

### 4K-8 Student Membership

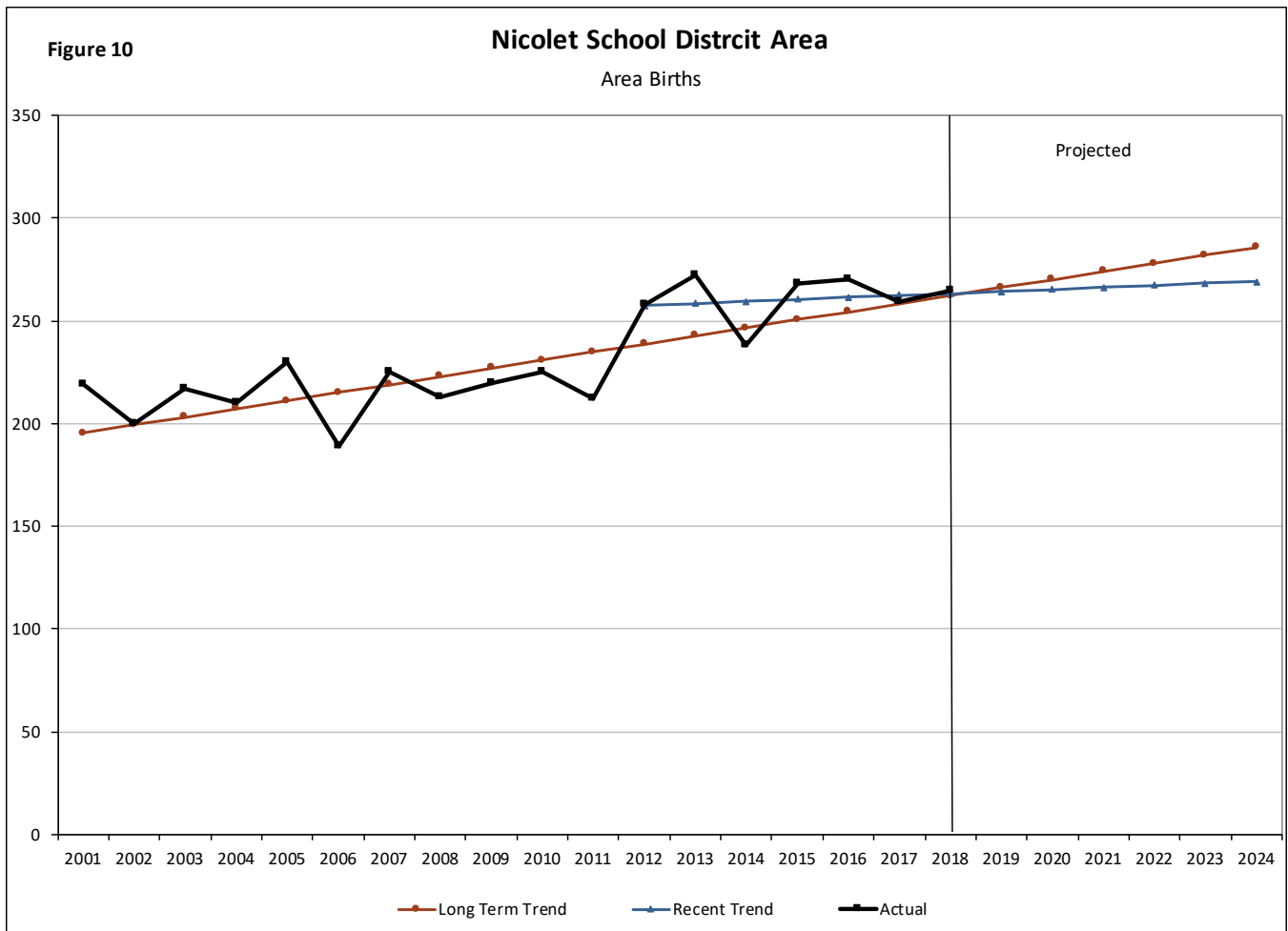
Figure 9 shows student membership for the 4K-8 schools. Fox Point-Bayside School District and Maple Dale-Indian Hill School District have declined, while Glendale-River Hills School District membership has increased. Further detail regarding the student membership and change in student membership is found under each 4K-8 school district's projections section.



## Birth Trends

We use historical and projected birth data to forecast the number of kindergarten students who will enroll in the Nicolet School District area in future years. Figure 10 shows (in black) the number of births to mothers living in municipalities within the 4K-8 school district boundaries, by year, from 2001-2018, as collected from the Wisconsin Department of Health Services. We count resident births from the villages of Bayside, Fox Point, and River Hills and the City of Glendale.

The red line represents the birth trend over the past 18 years and is utilized in the Baseline model. The blue line denotes birth patterns for the last seven years and is applied in the Five-Year and Two-Year trend models provided later.



Year	2001	2002	2003	2004	2005	2006	2007	2008	2009
# of Births	219	200	217	210	230	189	225	213	220
Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
# of Births	225	212	258	272	238	268	270	259	265

Source: WI Department of Health Services



# Fox Point-Bayside School District

## Student Membership

The student membership (resident students attending the school district plus open enrollment “out” students) for Fox Point-Bayside School District has decreased by 63 students, a 0.9% annual decrease, over the last ten years. Student membership and change in student membership are shown in Tables 14 and 15.

**TABLE 14**  
**Student Membership**  
**Fox Point-Bayside School District**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
4K	49	69	54	64	55	53	53	53	62	58
K	66	65	82	68	72	63	64	66	69	77
1	78	68	66	86	69	72	61	62	69	68
2	78	89	70	66	89	69	72	61	62	71
3	69	76	90	74	71	92	64	70	66	62
4	75	70	82	89	73	70	88	68	75	68
5	81	77	69	77	86	71	72	87	68	73
6	84	73	75	72	83	82	67	73	84	76
7	91	84	88	79	71	80	83	75	68	80
8	91	91	85	90	83	72	72	80	74	66
<b>TOTAL</b>	<b>762</b>	<b>762</b>	<b>761</b>	<b>765</b>	<b>752</b>	<b>724</b>	<b>696</b>	<b>695</b>	<b>697</b>	<b>699</b>
4K-4	415	437	444	447	429	419	402	380	403	404
5-8	347	325	317	318	323	305	294	315	294	295

**TABLE 15**  
**Student Membership Changes**  
**Fox Point-Bayside School District**

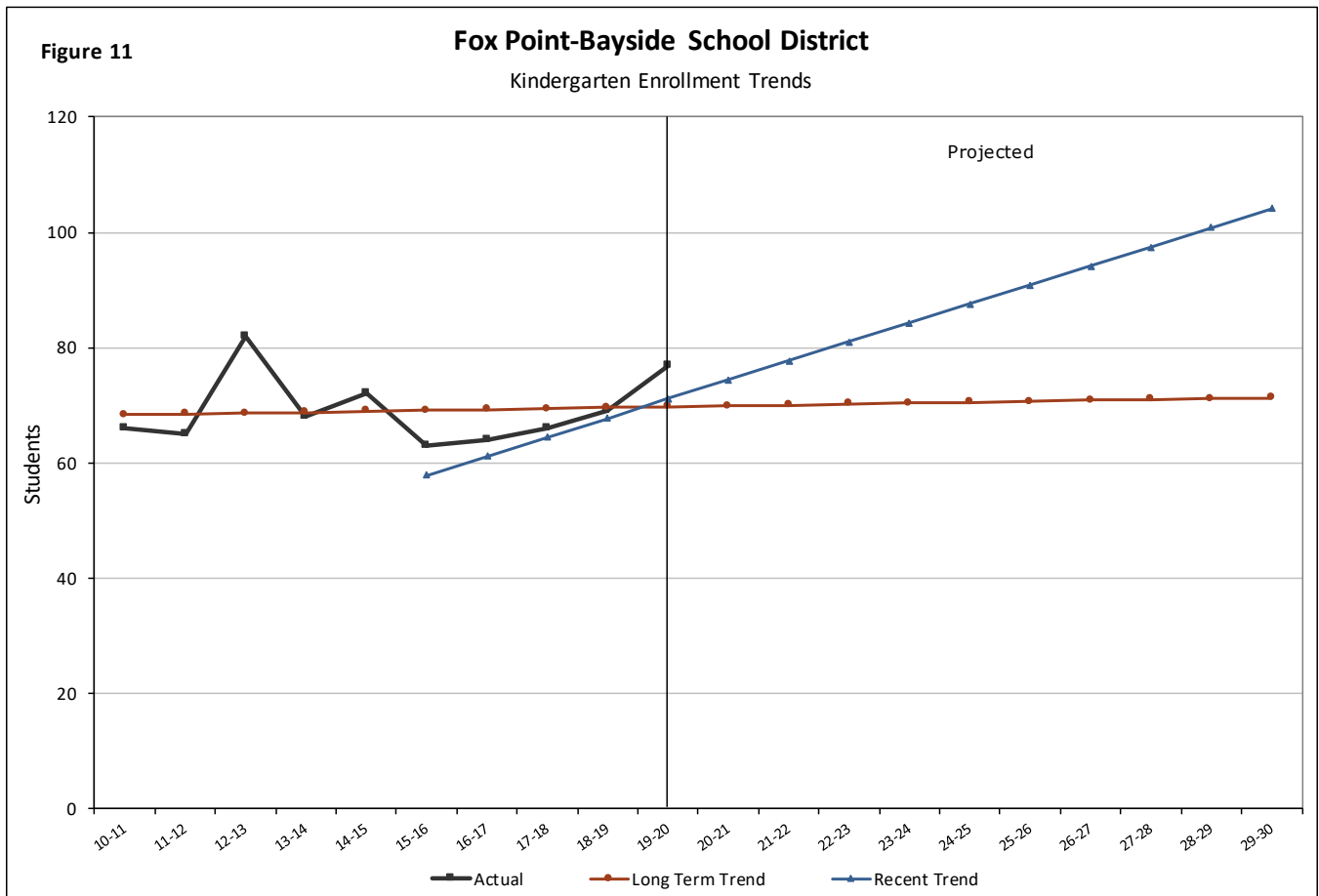
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19
4K	9	6	5	18.4	12.2	9.4	2.0	3.1	2.4
K	11	6	14	16.7	9.1	22.2	1.9	2.3	5.6
1	-10	-9	-4	-12.8	-11.5	-5.6	-1.4	-2.9	-1.4
2	-7	11	2	-9.0	14.1	2.9	-1.0	3.5	0.7
3	-7	2	-30	-10.1	2.9	-32.6	-1.1	0.7	-8.2
4	-7	-2	-2	-9.3	-2.7	-2.9	-1.0	-0.7	-0.7
5	-8	5	2	-9.9	6.2	2.8	-1.1	1.5	0.7
6	-8	-1	-6	-9.5	-1.2	-7.3	-1.1	-0.3	-1.8
7	-11	-20	0	-12.1	-22.0	0.0	-1.3	-5.5	0.0
8	-25	-8	-6	-27.5	-8.8	-8.3	-3.1	-2.2	-2.1
<b>TOTAL</b>	<b>-63</b>	<b>-10</b>	<b>-25</b>	<b>-8.3</b>	<b>-1.3</b>	<b>-3.5</b>	<b>-0.9</b>	<b>-0.3</b>	<b>-0.9</b>
4K-4	-11	14	-15	-2.7	3.4	-3.6	-0.3	0.8	-0.9
5-8	-52	-24	-10	-15.0	-6.9	-3.3	-1.7	-1.7	-0.8



## Kindergarten Trends

Examining trends in kindergarten is particularly informative for gaining perspective on future students, as today's kindergartners will gradually make up tomorrow's students at the higher grade levels as they age and move through the school system. When kindergarten students are increasing, elementary and middle school students might be expected to increase in the future.

Figure 11 shows kindergarten trends for Fox Point-Bayside School District. The long-term trend shows a steady trend, while the recent trend indicates increasing kindergarten students. The recent trend will be used in the Kindergarten Trend model to project future kindergartners.



## Grade Progression Ratios

Grade progression ratios depict changes in student membership, year-to-year and grade-to-grade, measuring the effects of in- and out-migration and the transfer of students between private and public schools. Table 16 shows the grade progression ratios for Fox Point-Bayside School District.

**TABLE 16**  
**Grade Progression Ratios**  
**Fox Point-Bayside School District**

<b>YEAR CHANGES</b>	<b>B:4K</b>	<b>B:K</b>	<b>K:1</b>	<b>1:2</b>	<b>2:3</b>	<b>3:4</b>	<b>4:5</b>	<b>5:6</b>	<b>6:7</b>	<b>7:8</b>
<b>10-11/11-12</b>	0.340	0.291	1.030	1.141	0.974	1.014	1.027	0.901	1.000	1.000
<b>11-12/12-13</b>	0.254	0.405	1.015	1.029	1.011	1.079	0.986	0.974	1.205	1.012
<b>12-13/13-14</b>	0.295	0.319	1.049	1.000	1.057	0.989	0.939	1.043	1.053	1.023
<b>13-14/14-15</b>	0.253	0.332	1.015	1.035	1.076	0.986	0.966	1.078	0.986	1.051
<b>14-15/15-16</b>	0.237	0.289	1.000	1.000	1.034	0.986	0.973	0.953	0.964	1.014
<b>15-16/16-17</b>	0.245	0.287	0.968	1.000	0.928	0.957	1.029	0.944	1.012	0.900
<b>16-17/17-18</b>	0.218	0.305	0.969	1.000	0.972	1.063	0.989	1.014	1.119	0.964
<b>17-18/18-19</b>	0.232	0.284	1.045	1.000	1.082	1.071	1.000	0.966	0.932	0.987
<b>18-19/19-20</b>	0.233	0.288	0.986	1.029	1.000	1.030	0.973	1.118	0.952	0.971
<b>Baseline</b>	<b>0.239</b>	<b>0.299</b>	<b>1.009</b>	<b>1.012</b>	<b>1.008</b>	<b>1.011</b>	<b>0.981</b>	<b>0.982</b>	<b>0.995</b>	<b>1.003</b>
<b>5 Year Trend</b>	<b>0.233</b>	<b>0.291</b>	<b>0.994</b>	<b>1.006</b>	<b>1.003</b>	<b>1.021</b>	<b>0.993</b>	<b>0.999</b>	<b>0.996</b>	<b>0.967</b>
<b>2 Year "Trend"</b>	<b>0.232</b>	<b>0.286</b>	<b>1.015</b>	<b>1.014</b>	<b>1.041</b>	<b>1.051</b>	<b>0.987</b>	<b>1.042</b>	<b>0.942</b>	<b>0.979</b>

\*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for 1:2 is 1.012. This means that in the school district, the second grade class is on average 1.2% larger than the first grade class was the previous year. The B:4K and B:K ratios are based on each school district's 4K and kindergarten students as a proportion of all births in the Nicolet School District area.





## Baseline Projections

This model assumes that long term (past ten years) trends in student membership and long-term birth trends will be representative of future trends in the district. The Baseline model (Table 17) for Fox Point-Bayside School District projects in five years that student membership will increase from 699 students in 2019/20 to 744 students in 2024/25, an increase of 45 students.

**TABLE 17**  
**Baseline Projection Model**  
**Fox Point-Bayside School District**

	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	64	63	63	64	65	66	67	68	69	70
K	77	81	79	79	80	81	82	83	84	85
1	78	78	81	79	79	80	81	82	84	85
2	69	79	79	82	80	80	81	82	83	85
3	72	69	79	80	83	81	81	82	83	84
4	63	72	70	80	80	84	82	82	83	84
5	67	62	71	69	79	79	82	80	80	81
6	72	66	60	70	68	77	78	81	79	79
7	76	71	65	60	69	67	77	77	80	78
8	80	76	72	65	60	70	67	77	77	81
<b>TOTAL</b>	<b>717</b>	<b>716</b>	<b>719</b>	<b>728</b>	<b>744</b>	<b>765</b>	<b>778</b>	<b>795</b>	<b>803</b>	<b>812</b>
4K-4	422	442	451	464	468	472	474	479	486	492
5-8	294	274	268	264	276	293	304	315	317	320



## Five-Year Trend Projections

The Five-Year Trend model (Table 18) uses the grade progression ratios from the last five years and recent birth trends to project what future student membership would look like if more recent patterns were representative of future trends. This model projects that student membership will increase from 699 students in 2019/20 to 726 students in 2024/25, an increase of 27 students.

**TABLE 18**  
**5 Year Trend Projection Model**  
**Fox Point-Bayside School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	63	61	61	62	62	62	62	63	63	63
K	75	78	76	76	77	77	77	78	78	78
1	77	75	78	76	76	76	77	77	77	77
2	68	77	75	78	76	76	77	77	77	78
3	71	69	77	75	78	77	77	77	77	77
4	63	73	70	79	77	80	78	78	79	79
5	67	63	72	70	78	76	80	78	78	78
6	73	67	63	72	69	78	76	79	78	78
7	76	73	67	63	72	69	78	76	79	77
8	77	73	70	65	60	69	67	75	73	77
<b>TOTAL</b>	<b>711</b>	<b>708</b>	<b>710</b>	<b>716</b>	<b>726</b>	<b>742</b>	<b>748</b>	<b>758</b>	<b>759</b>	<b>762</b>
4K-4	417	432	438	446	446	449	448	449	451	453
5-8	293	276	272	269	280	293	300	308	308	310



## Two-Year "Trend" Projections

The Two-Year "Trend" model (Table 19) uses the grade progression ratios from the last two years and recent birth trends to project future student membership. Fox Point-Bayside School District student membership is projected to increase from 699 students in 2019/20 to 757 students in 2024/25, or an increase of 58 students.

**TABLE 19**  
**2 Year "Trend" Projection Model**  
**Fox Point-Bayside School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	63	61	61	62	62	62	62	62	63	63
K	74	77	75	75	76	76	76	76	77	77
1	78	75	78	76	76	77	77	77	78	78
2	69	79	76	79	77	78	78	78	78	79
3	74	72	83	79	83	81	81	81	81	82
4	65	78	75	87	83	87	85	85	85	85
5	67	64	77	74	86	82	86	84	84	84
6	76	70	67	80	78	89	86	89	87	87
7	72	72	66	63	75	73	84	81	84	82
8	78	70	70	64	62	74	71	82	79	82
<b>TOTAL</b>	<b>716</b>	<b>718</b>	<b>728</b>	<b>740</b>	<b>757</b>	<b>778</b>	<b>786</b>	<b>796</b>	<b>796</b>	<b>799</b>
4K-4	423	442	449	459	457	460	459	460	462	463
5-8	293	276	280	282	300	318	327	336	334	336



## Kindergarten Trend Projections

The Kindergarten Trend model (Table 20) analyzes trends in kindergarten and assumes that the kindergarten trends will be similar in the future as they have in the last five years. The model then uses ratios from the last five years to project students at grades 1 through 8. This model projects that student membership will increase from 699 students in 2019/20 to 748 students in 2024/25, or 49 more students.

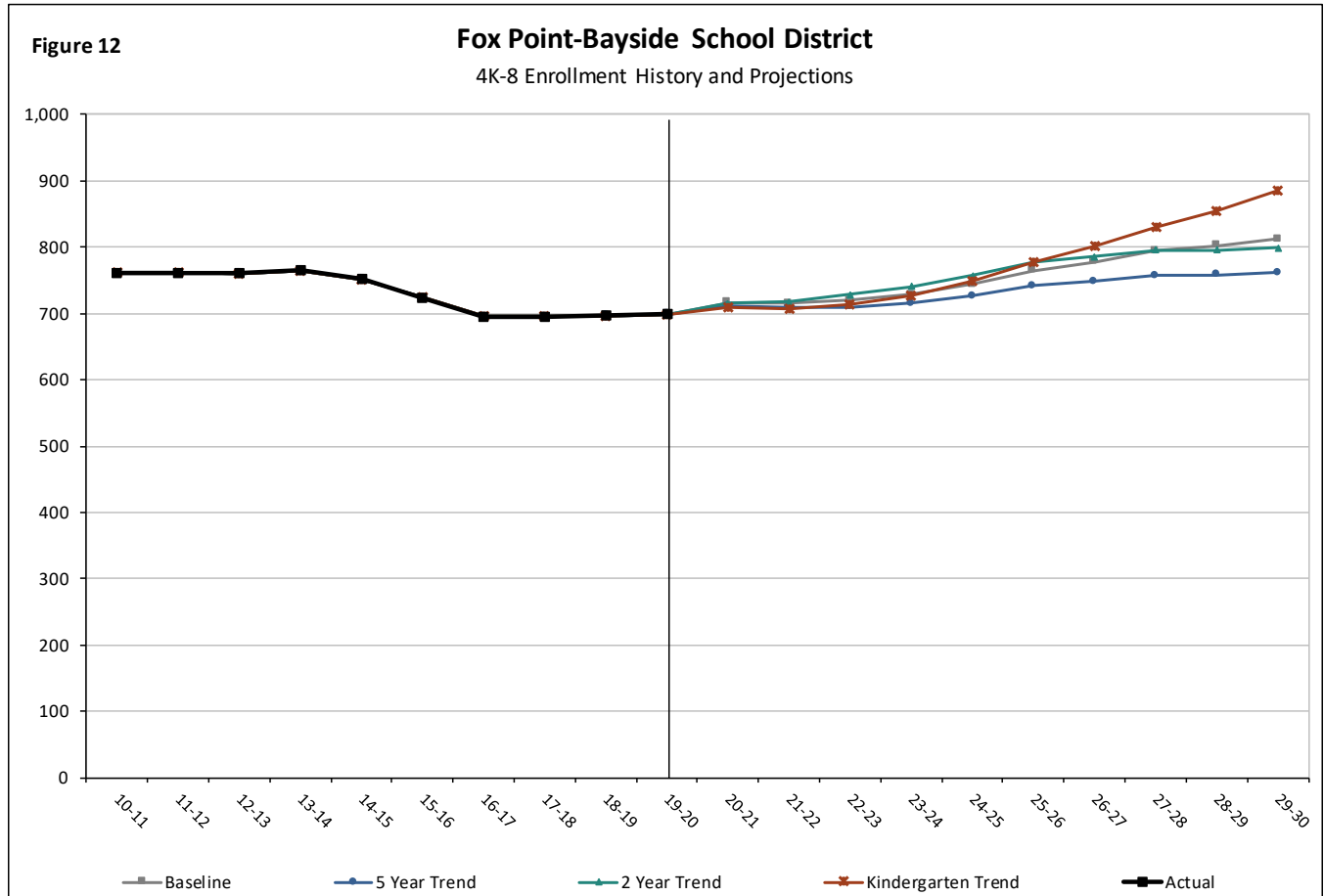
**TABLE 20**  
**Kindergarten Trend Projection Model**  
**Fox Point-Bayside School District**

GRADE	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	63	61	61	62	62	62	62	63	63	63
K	74	78	81	84	88	91	94	98	101	104
1	77	74	77	80	84	87	90	94	97	100
2	68	77	74	78	81	84	88	91	94	97
3	71	69	77	75	78	81	85	88	91	94
4	63	73	70	79	76	80	83	86	90	93
5	67	63	72	70	78	76	79	82	86	89
6	73	67	63	72	69	78	76	79	82	86
7	76	73	67	63	72	69	78	75	79	82
8	77	73	70	65	60	69	67	75	73	76
<b>TOTAL</b>	<b>710</b>	<b>707</b>	<b>713</b>	<b>727</b>	<b>748</b>	<b>778</b>	<b>801</b>	<b>830</b>	<b>855</b>	<b>885</b>
4K-4	417	431	441	458	468	485	502	519	535	552
5-8	293	276	272	269	280	292	299	312	319	332



## Comparison of Projections Models – Fox Point-Bayside School District

Figures 12-14 and Tables 21-23 compare the different student membership projection models for the district as a whole and by grade groupings (4K-4 and 5-8) for Fox Point-Bayside School District.

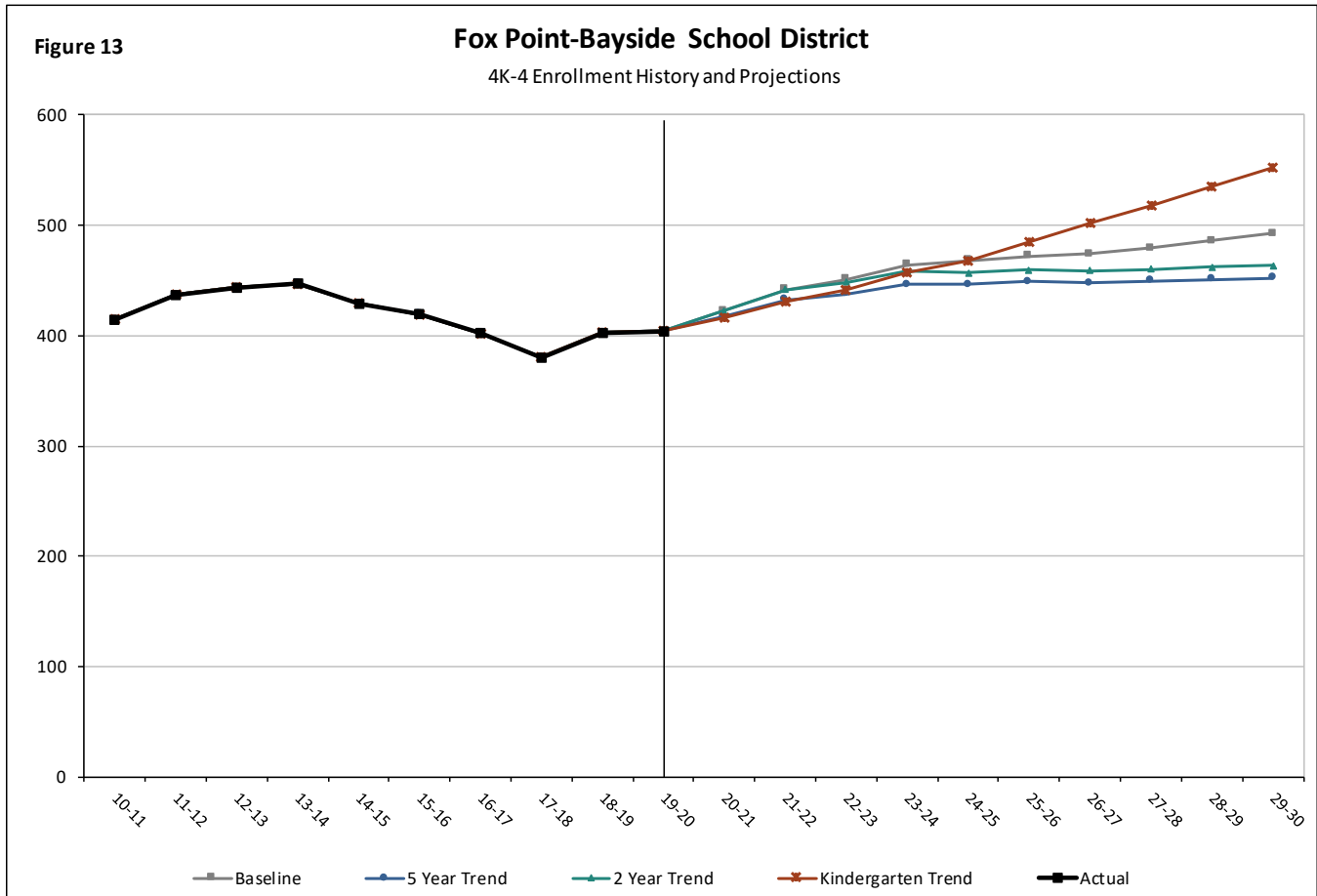


**TABLE 21**  
**Summary of 4K-8 Enrollment Projections**  
**Fox Point-Bayside School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	717	716	719	728	744	765	778	795	803	812
5 Year Trend	711	708	710	716	726	742	748	758	759	762
2 Year "Trend"	716	718	728	740	757	778	786	796	796	799
Kindergarten Trend	710	707	713	727	748	778	801	830	855	885

All models project increasing student membership with the Five-Year Trend model projecting the least amount of increase while the Kindergarten Trend model projects the greatest increase in student membership. Grades 4K-8 projections five years from now (2024/25) forecast a range of student membership from 726 to 757.



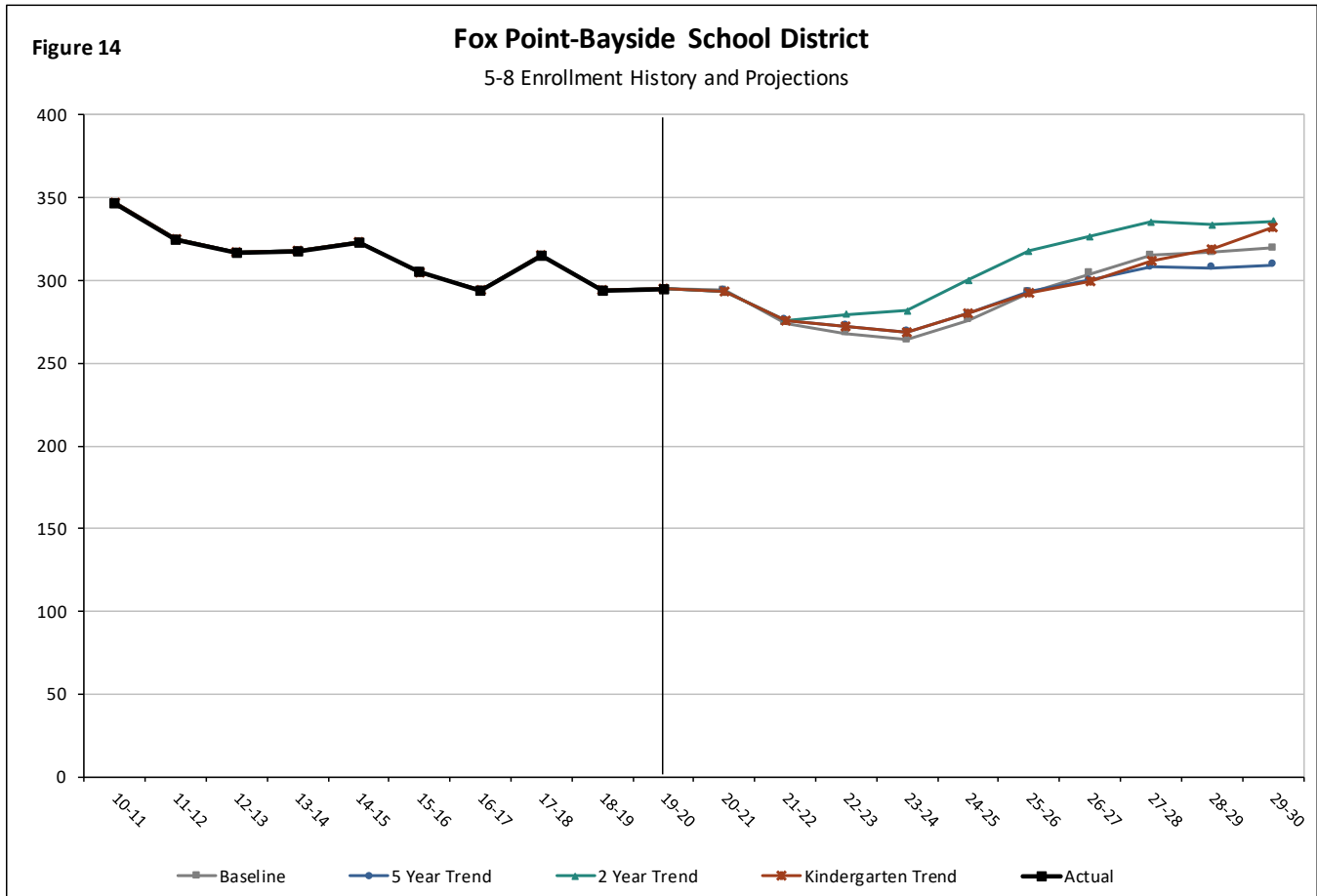


**TABLE 22**  
**Summary of 4K-4 Enrollment Projections**  
**Fox Point-Bayside School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	422	442	451	464	468	472	474	479	486	492
5 Year Trend	417	432	438	446	446	449	448	449	451	453
2 Year "Trend"	423	442	449	459	457	460	459	460	462	463
Kindergarten Trend	417	431	441	458	468	485	502	519	535	552

All projection models forecast an increasing student membership over the next five years. Grades 4K-4 projections five years from now (2024/25) project a range of student membership from 446 to 468.





**TABLE 23**  
**Summary of 5-8 Enrollment Projections**  
**Fox Point-Bayside School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	294	274	268	264	276	293	304	315	317	320
5 Year Trend	293	276	272	269	280	293	300	308	308	310
2 Year "Trend"	293	276	280	282	300	318	327	336	334	336
Kindergarten Trend	293	276	272	269	280	292	299	312	319	332

All projection models show some level of decline in the near term followed by increasing enrollment. The Two-Year "Trend" model shows the greatest increases. Grades 5-8 projections five years from now (2024/25) forecast a range of student membership from 276 to 300.



# Glendale-River Hills School District

## Student Membership

The student membership (resident students attending the school district plus open enrollment “out” students) for Glendale-River Hills School District has increased by 67 students, or a 7.3% increase over the last ten years. Student membership and change in student membership are shown in Tables 24 and 25.

**TABLE 24**  
**Student Membership**  
 Glendale-River Hills School District

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
4K	85	65	83	81	83	72	88	84	96	94
K	79	92	86	83	95	104	93	105	81	104
1	96	85	91	77	84	100	103	95	106	86
2	90	105	86	96	71	89	105	97	94	105
3	98	92	103	82	98	80	87	104	95	87
4	98	107	99	100	85	102	85	91	101	99
5	93	100	111	98	100	90	107	79	102	100
6	87	96	100	105	106	99	99	112	77	113
7	92	96	104	98	108	108	95	109	112	76
8	100	104	86	102	106	106	101	99	116	121
<b>TOTAL</b>	<b>918</b>	<b>942</b>	<b>949</b>	<b>922</b>	<b>936</b>	<b>950</b>	<b>963</b>	<b>975</b>	<b>980</b>	<b>985</b>
4K-3	448	439	449	419	431	445	476	485	472	476
4-8	470	503	500	503	505	505	487	490	508	509

**TABLE 25**  
**Student Membership Changes**  
 Glendale-River Hills School District

GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19
4K	9	-2	22	10.6	-2.4	30.6	1.2	-0.6	7.6
K	25	16	0	31.6	20.3	0.0	3.5	5.1	0.0
1	-10	-12	-14	-10.4	-12.5	-14.0	-1.2	-3.1	-3.5
2	15	-19	16	16.7	-21.1	18.0	1.9	-5.3	4.5
3	-11	0	7	-11.2	0.0	8.8	-1.2	0.0	2.2
4	1	-13	-3	1.0	-13.3	-2.9	0.1	-3.3	-0.7
5	7	7	10	7.5	7.5	11.1	0.8	1.9	2.8
6	26	19	14	29.9	21.8	14.1	3.3	5.5	3.5
7	-16	16	-32	-17.4	17.4	-29.6	-1.9	4.3	-7.4
8	21	6	15	21.0	6.0	14.2	2.3	1.5	3.5
<b>TOTAL</b>	<b>67</b>	<b>18</b>	<b>35</b>	<b>7.3</b>	<b>2.0</b>	<b>3.7</b>	<b>0.8</b>	<b>0.5</b>	<b>0.9</b>
4K-3	28	-17	31	6.3	-3.8	7.0	0.7	-0.9	1.7
4-8	39	35	4	8.3	7.4	0.8	0.9	1.9	0.2

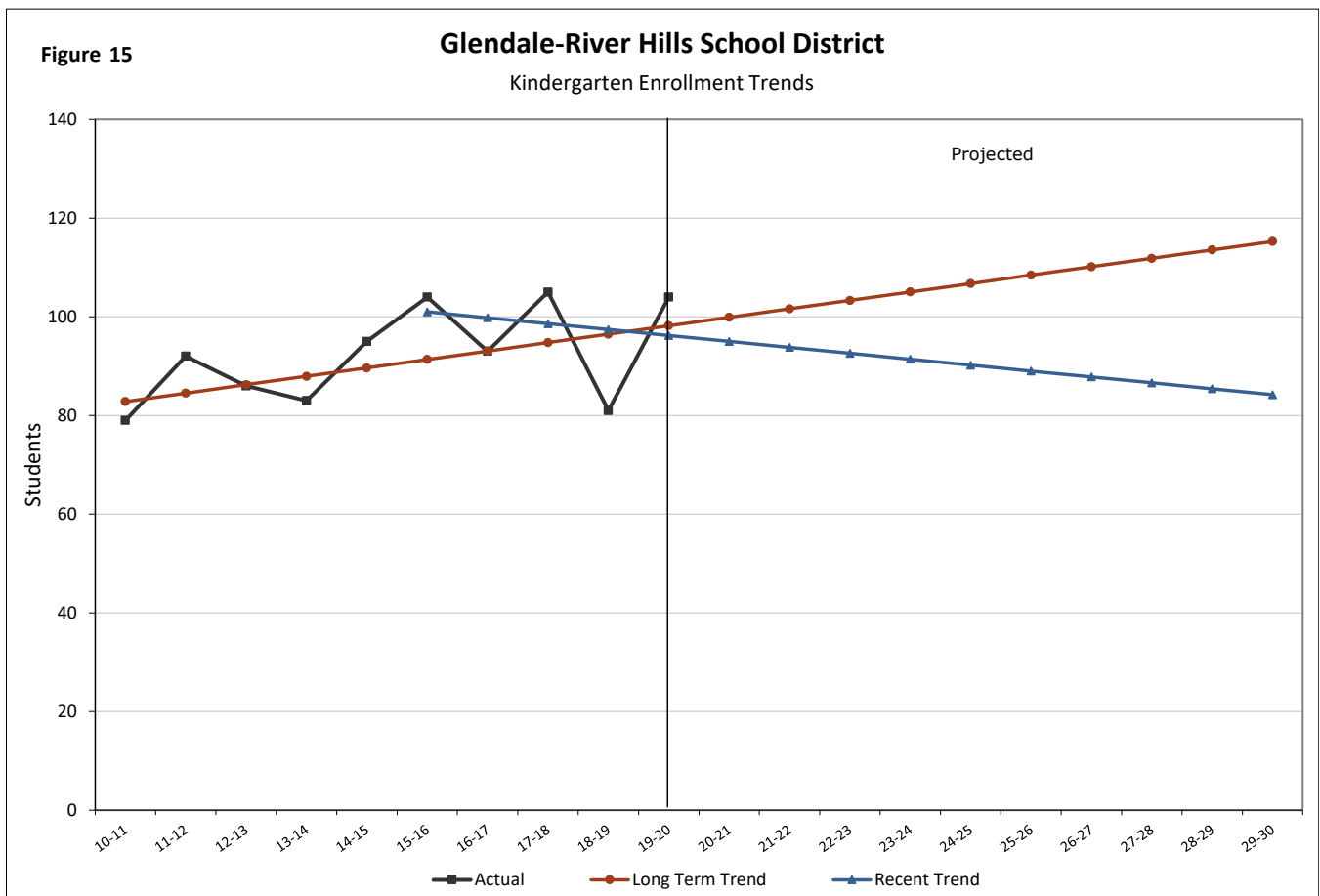




## Kindergarten Trends

Examining trends in kindergarten is particularly informative for gaining perspective on future students, as today's kindergartners will gradually make up tomorrow's students at the higher grade levels as they age and move through the school system. When kindergarten students are increasing, elementary and middle school students might be expected to increase in the future.

Figure 15 shows kindergarten trends for Glendale-River Hills School District. Long-term trend shows increasing kindergarten students while the recent trend shows declining kindergartners. An average of these two trends will be used in the Kindergarten Trend model to project future kindergartners.



## Grade Progression Ratios

Table 26 shows the grade progression ratios for Glendale-River Hills School District. Grade progression ratios depict change in student membership, year-to-year and grade-to-grade, measuring the effects of in- and out-migration.

**TABLE 26**  
**Grade Progression Ratios**  
**Glendale-River Hills School District**

YEAR CHANGES	B:4K	B:K	K:1	1:2	2:3	3:4	4:5	5:6	6:7	7:8
10-11/11-12	0.321	0.412	1.076	1.094	1.022	1.092	1.020	1.032	1.103	1.130
11-12/12-13	0.390	0.424	0.989	1.012	0.981	1.076	1.037	1.000	1.083	0.896
12-13/13-14	0.373	0.390	0.895	1.055	0.953	0.971	0.990	0.946	0.980	0.981
13-14/14-15	0.381	0.438	1.012	0.922	1.021	1.037	1.000	1.082	1.029	1.082
14-15/15-16	0.322	0.478	1.053	1.060	1.127	1.041	1.059	0.990	1.019	0.981
15-16/16-17	0.407	0.416	0.990	1.050	0.978	1.063	1.049	1.100	0.960	0.935
16-17/17-18	0.346	0.485	1.022	0.942	0.990	1.046	0.929	1.047	1.101	1.042
17-18/18-19	0.359	0.334	1.010	0.989	0.979	0.971	1.121	0.975	1.000	1.064
18-19/19-20	0.377	0.389	1.062	0.991	0.926	1.042	0.990	1.108	0.987	1.080
<b>Baseline</b>	<b>0.364</b>	<b>0.412</b>	<b>1.020</b>	<b>1.026</b>	<b>0.989</b>	<b>1.051</b>	<b>1.021</b>	<b>1.021</b>	<b>1.016</b>	<b>1.038</b>
<b>5 Year Trend</b>	<b>0.362</b>	<b>0.420</b>	<b>1.027</b>	<b>1.006</b>	<b>1.000</b>	<b>1.033</b>	<b>1.030</b>	<b>1.044</b>	<b>1.013</b>	<b>1.021</b>
<b>2 Year "Trend"</b>	<b>0.368</b>	<b>0.361</b>	<b>1.036</b>	<b>0.990</b>	<b>0.952</b>	<b>1.007</b>	<b>1.055</b>	<b>1.041</b>	<b>0.994</b>	<b>1.072</b>

\*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for 3:4 is 1.051. This means that in the school district, the fourth grade class is on average 5.1% larger each year than the third grade class was the previous year. The B:4K and B:K ratios are based on each school district's 4K and kindergarten students as a proportion of all births in the Nicolet School District area.



## Baseline Projections

This model assumes that long term (past ten years) trends in student membership and long-term birth trends will be representative of future trends in the district. The Baseline model (Table 27) uses the grade progression ratios from the last ten years to project what future student membership will be. This model projects that Glendale-River Hills School District student membership will increase from 985 students in 2019/20 to 1,094 students in 2024/25, an increase of 109 students.

**TABLE 27**  
**Baseline Projection Model**  
**Glendale-River Hills School District**

	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	98	96	96	100	103	104	106	108	110	112
K	106	111	108	108	111	114	116	118	120	122
1	106	108	113	110	110	113	116	118	120	123
2	88	109	111	116	113	113	116	119	121	124
3	104	87	108	110	115	112	112	115	118	120
4	91	109	92	113	115	121	118	118	121	124
5	101	93	111	94	115	118	123	120	120	123
6	102	103	95	114	96	118	120	126	122	123
7	115	104	105	97	116	97	120	122	128	124
8	79	119	108	109	101	120	101	124	127	133
<b>TOTAL</b>	<b>991</b>	<b>1,039</b>	<b>1,047</b>	<b>1,070</b>	<b>1,094</b>	<b>1,130</b>	<b>1,148</b>	<b>1,188</b>	<b>1,208</b>	<b>1,227</b>
4K-3	502	511	536	544	552	557	567	579	590	601
4-8	488	529	511	526	543	573	582	610	618	627



## Five-Year Trend Projections

The Five-Year Trend model (Table 28) uses the grade progression ratios from the last five years and recent birth trends to project what future student membership would look like if more recent patterns were representative of future trends. This model projects that Glendale-River Hills School District student membership will increase from 985 students in 2019/20 to 1,096 students in 2024/25, an increase of 111 students.

**TABLE 28**  
**5 Year Trend Projection Model**  
**Glendale-River Hills School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	98	95	95	96	96	97	97	97	98	98
K	108	113	110	111	111	111	112	112	113	113
1	107	111	116	113	114	114	114	115	115	116
2	87	107	112	117	114	114	115	115	116	116
3	105	87	107	112	117	114	114	115	115	116
4	90	108	89	111	116	121	118	118	119	119
5	102	92	112	92	114	119	124	121	122	122
6	104	106	97	117	96	119	124	130	127	127
7	115	106	108	98	118	97	121	126	132	128
8	78	117	108	110	100	121	99	123	129	134
<b>TOTAL</b>	<b>993</b>	<b>1,044</b>	<b>1,055</b>	<b>1,077</b>	<b>1,096</b>	<b>1,128</b>	<b>1,139</b>	<b>1,173</b>	<b>1,184</b>	<b>1,189</b>
4K-3	504	514	542	549	552	551	553	555	556	558
4-8	488	530	513	527	544	577	587	619	627	631



## Two-Year "Trend" Projections

The Two-Year "Trend" model (Table 29) uses the grade progression ratios from the last two years and recent birth trends to project future student membership. Glendale-River Hills School District student membership is projected to be the same in five years, from 985 students in 2019/20 to 986 students in 2024/25.

**TABLE 29**  
**2 Year "Trend" Projection Model**  
**Glendale-River Hills School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	99	97	97	98	98	98	99	99	99	100
K	93	97	95	95	96	96	96	96	97	97
1	108	97	101	98	98	99	99	100	100	100
2	85	107	96	100	97	97	98	98	99	99
3	100	81	102	91	95	93	93	93	94	94
4	88	101	82	102	92	96	93	93	94	94
5	104	92	106	86	108	97	101	99	99	99
6	104	109	96	111	90	112	101	105	103	103
7	112	103	108	96	110	89	112	100	104	102
8	81	120	111	116	103	118	96	120	107	112
<b>TOTAL</b>	<b>975</b>	<b>1,004</b>	<b>993</b>	<b>992</b>	<b>986</b>	<b>995</b>	<b>987</b>	<b>1,003</b>	<b>995</b>	<b>1,000</b>
4K-3	485	478	490	482	484	483	485	487	488	490
4-8	490	526	503	511	502	512	502	517	507	510



## Kindergarten Trend Projections

The Kindergarten Trend model (Table 30) analyzes trends in kindergarten and assumes that the kindergarten membership trend will be slightly increasing. This model projects an increase from 985 students in 2019/20 to 1,030 students in 2024/25, an increase of 45 students.

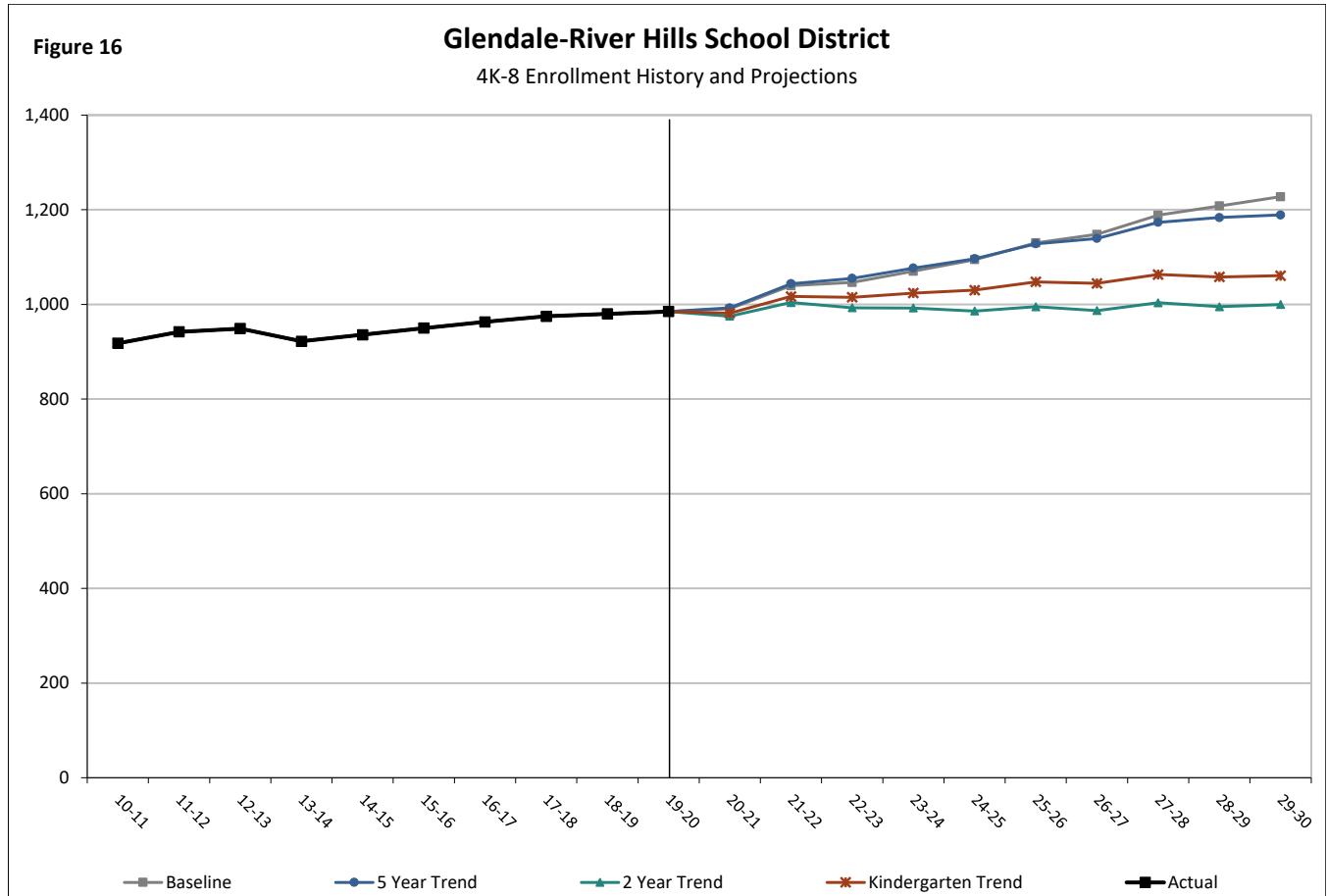
**TABLE 30**  
**Kindergarten Trend Projection Model**  
**Glendale-River Hills School District**

GRADE	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	98	95	95	96	96	97	97	97	98	98
K	97	98	98	98	98	99	99	99	99	100
1	107	100	100	101	101	101	101	102	102	102
2	87	107	101	101	101	102	102	102	102	103
3	105	87	107	101	101	101	102	102	102	102
4	90	108	89	111	104	104	105	105	105	105
5	102	92	112	92	114	107	107	108	108	108
6	104	106	97	117	96	119	112	112	112	113
7	115	106	108	98	118	97	121	113	114	114
8	78	117	108	110	100	121	99	123	116	116
<b>TOTAL</b>	<b>982</b>	<b>1,017</b>	<b>1,015</b>	<b>1,024</b>	<b>1,030</b>	<b>1,048</b>	<b>1,045</b>	<b>1,063</b>	<b>1,058</b>	<b>1,061</b>
4K-3	493	487	502	497	498	499	501	502	503	505
4-8	488	530	513	527	532	548	544	561	554	556



## Comparison of Projections Models – Glendale-River Hills School District

Figures 16-18 and Tables 31-33 compare the different student membership projection models for the district as a whole and by grade groupings (4K-3 and 4-8) for Glendale-River Hills School District.



**TABLE 31**  
**Summary of 4K-8 Enrollment Projections**  
**Glendale-River Hills School District**

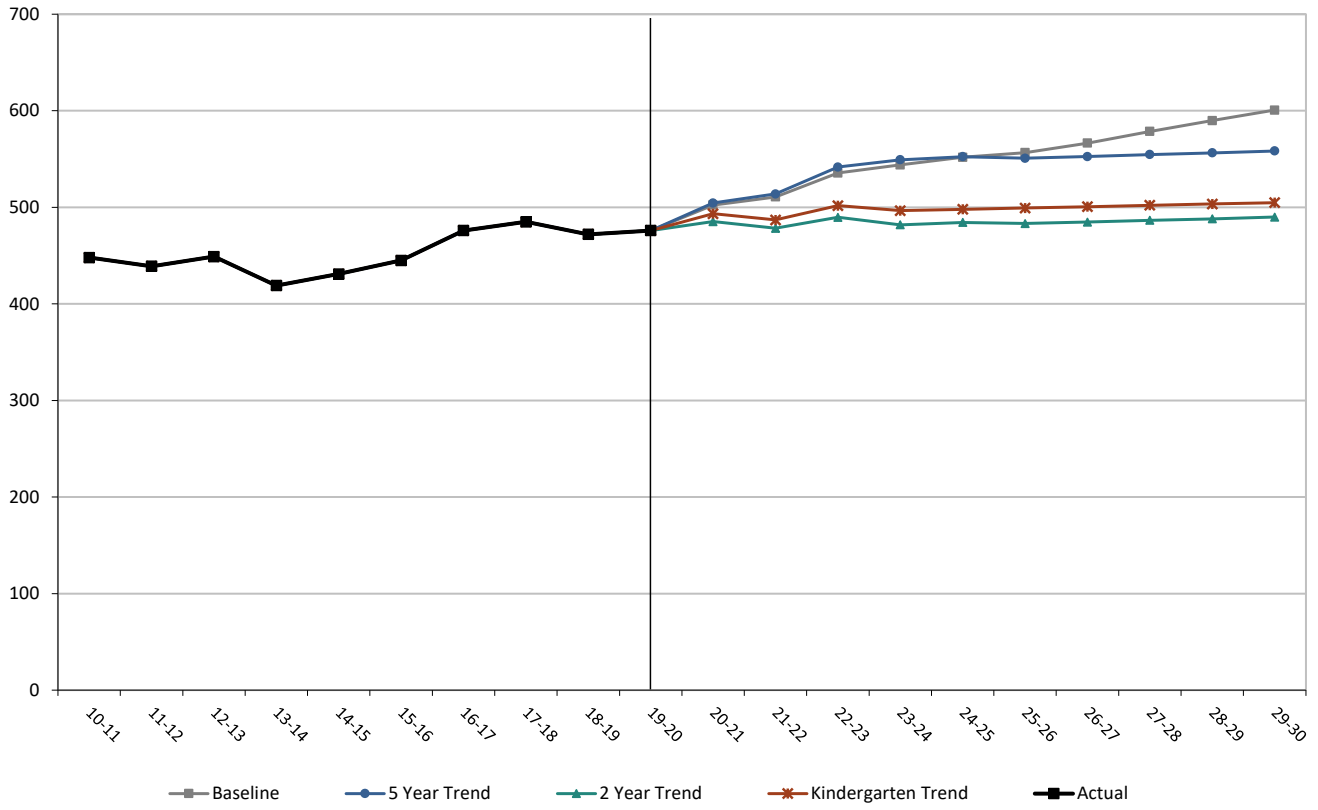
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	991	1,039	1,047	1,070	1,094	1,130	1,148	1,188	1,208	1,227
5 Year Trend	993	1,044	1,055	1,077	1,096	1,128	1,139	1,173	1,184	1,189
2 Year "Trend"	975	1,004	993	992	986	995	987	1,003	995	1,000
Kindergarten Trend	982	1,017	1,015	1,024	1,030	1,048	1,045	1,063	1,058	1,061

The Two-Year “Trend” model projects the least amount of student membership increase, while the Five-Year Trend projects the greatest increase over the next five years. Grades 4K-8 projections five years from now (2024/25) forecast a range of student membership from 986 to 1,096.



Figure 17

**Glendale-River Hills School District**  
4K-3 Enrollment History and Projections



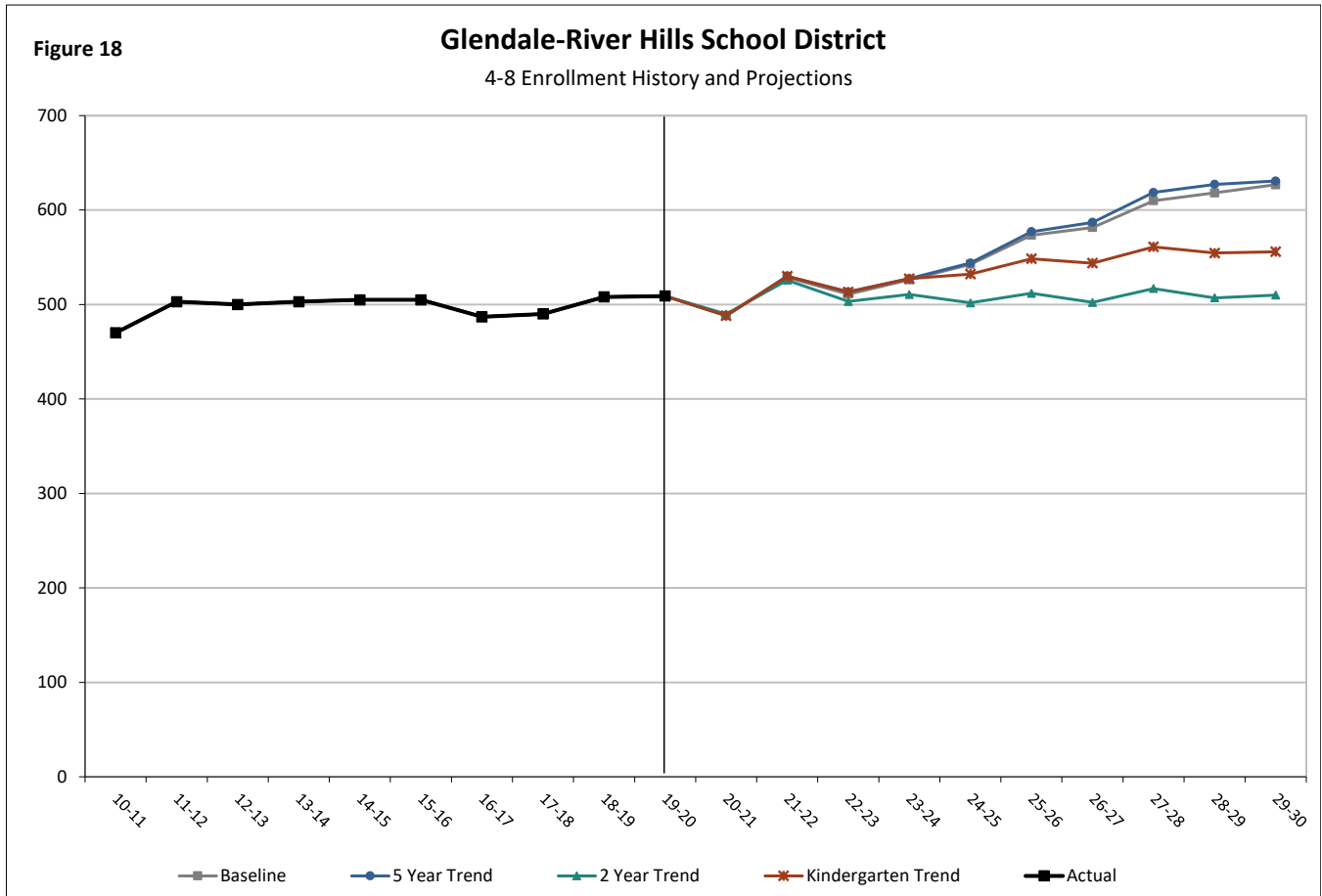
**TABLE 32**  
**Summary of 4K-3 Enrollment Projections**  
**Glendale-River Hills School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	502	511	536	544	552	557	567	579	590	601
5 Year Trend	504	514	542	549	552	551	553	555	556	558
2 Year "Trend"	485	478	490	482	484	483	485	487	488	490
Kindergarten Trend	493	487	502	497	498	499	501	502	503	505

All models project increasing student membership with the Baseline model projecting the greatest increase, while the Two-Year Trend model projects the smallest increase of students. Grades 4K-3 projections five years from now (2024/25) forecast a range of student membership from 484 to 552.







**TABLE 33**  
**Summary of 4-8 Enrollment Projections**  
**Glendale-River Hills School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	488	529	511	526	543	573	582	610	618	627
5 Year Trend	488	530	513	527	544	577	587	619	627	631
2 Year "Trend"	490	526	503	511	502	512	502	517	507	510
Kindergarten Trend	488	530	513	527	532	548	544	561	554	556

In general, grades 4-8 will decrease next year followed by increasing students over time with the Two-Year "Trend" model projecting the smallest increase. Grades 4-8 projections in 2024/25 forecast a range of student membership from 502 to 544.



# Maple Dale-Indian Hill School District

## Student Membership

The student membership (resident students attending the school district plus open enrollment “out” students) for Maple Dale-Indian Hill School District has decreased by 9 students, or a 2.1% decrease over the last ten years. Student membership and change in student membership are shown in Tables 34 and 35.

**TABLE 34**  
**Student Membership**  
**Maple Dale-Indian Hill School District**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
4K	34	35	23	24	31	41	45	41	35	42
K	39	40	36	30	31	38	52	48	44	41
1	51	39	45	35	28	33	41	51	44	42
2	45	53	40	47	39	26	30	38	53	41
3	33	42	54	38	51	44	31	31	36	51
4	51	35	45	56	42	52	46	34	30	33
5	52	52	36	46	53	47	51	44	36	32
6	34	52	48	33	42	56	45	50	46	36
7	38	39	50	45	31	45	55	44	51	50
8	54	40	33	55	46	33	46	56	44	54
<b>TOTAL</b>	<b>431</b>	<b>427</b>	<b>410</b>	<b>409</b>	<b>394</b>	<b>415</b>	<b>442</b>	<b>437</b>	<b>419</b>	<b>422</b>
4K-3	202	209	198	174	180	182	199	209	212	217
4-8	229	218	212	235	214	233	243	228	207	205

**TABLE 35**  
**Student Membership Changes**  
**Maple Dale-Indian Hill School District**

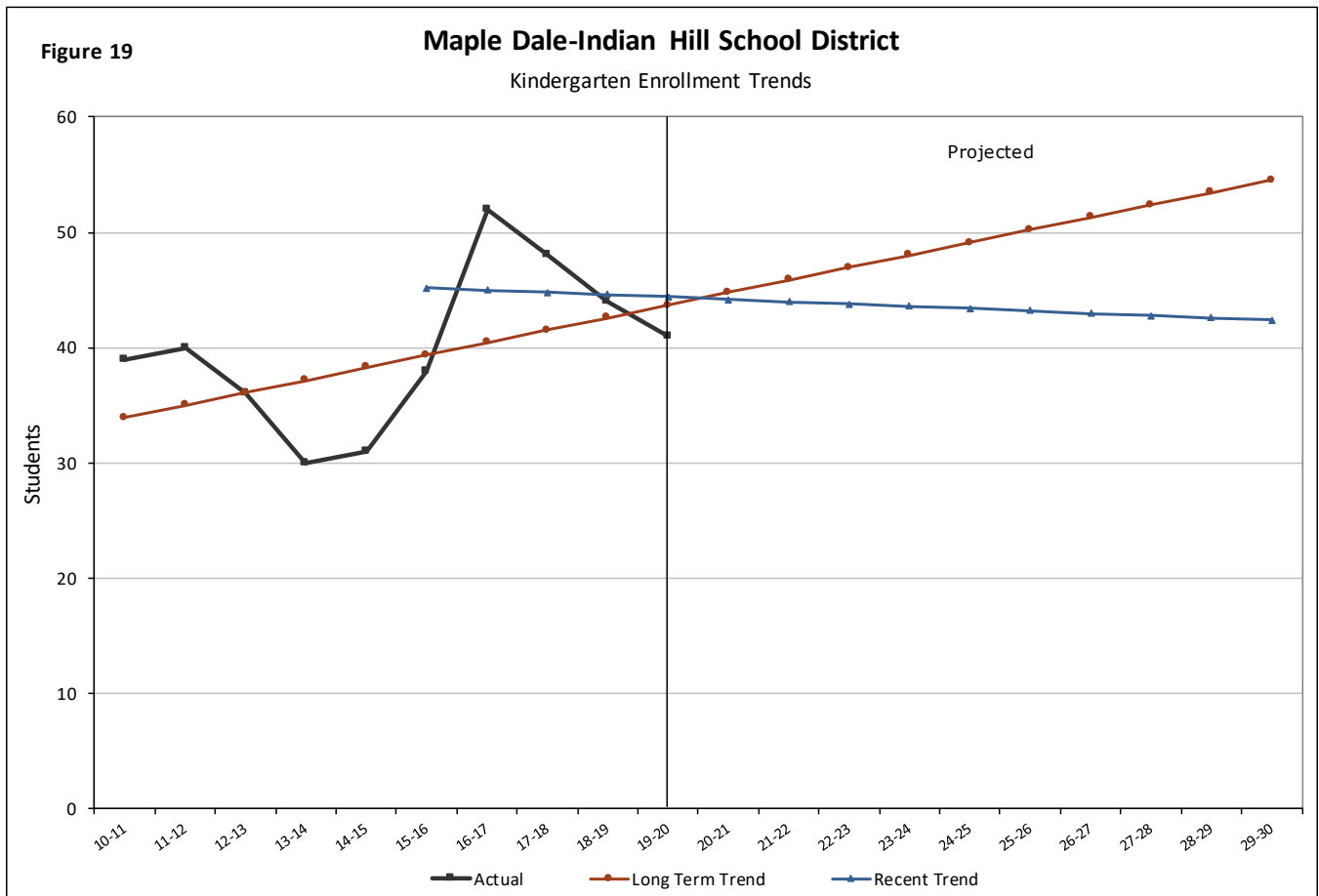
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19	'10 to '19	'10 to '14	'15 to '19
4K	8	-3	1	23.5	-8.8	2.4	2.6	-2.2	0.6
K	2	-8	3	5.1	-20.5	7.9	0.6	-5.1	2.0
1	-9	-23	9	-17.6	-45.1	27.3	-2.0	-11.3	6.8
2	-4	-6	15	-8.9	-13.3	57.7	-1.0	-3.3	14.4
3	18	18	7	54.5	54.5	15.9	6.1	13.6	4.0
4	-18	-9	-19	-35.3	-17.6	-36.5	-3.9	-4.4	-9.1
5	-20	1	-15	-38.5	1.9	-31.9	-4.3	0.5	-8.0
6	2	8	-20	5.9	23.5	-35.7	0.7	5.9	-8.9
7	12	-7	5	31.6	-18.4	11.1	3.5	-4.6	2.8
8	0	-8	21	0.0	-14.8	63.6	0.0	-3.7	15.9
<b>TOTAL</b>	<b>-9</b>	<b>-37</b>	<b>7</b>	<b>-2.1</b>	<b>-8.6</b>	<b>1.7</b>	<b>-0.2</b>	<b>-2.1</b>	<b>0.4</b>
4K-3	15	-22	35	7.4	-10.9	19.2	0.8	-2.7	4.8
4-8	-24	-15	-28	-10.5	-6.6	-12.0	-1.2	-1.6	-3.0



## Kindergarten Trends

Examining trends in kindergarten is particularly informative for gaining perspective on future students, as today's kindergartners will gradually make up tomorrow's students at the higher grade levels as they age and move through the school system. When kindergarten students are increasing, elementary and middle school students might be expected to increase in the future.

Figure 19 shows kindergarten trends for Maple Dale-Indian Hill School District. The long-term trend shows an increasing trend, while the recent trend indicates slightly decreasing kindergarten students. The recent trend will be used in the Kindergarten Trend model to project future kindergartners.



## Grade Progression Ratios

Grade progression ratios depict change in student membership, year-to-year and grade-to-grade, measuring the effects of in- and out-migration and the transfer of students between private and public schools. Table 36 shows the grade progression ratios for Maple Dale-Indian Hill School District.

**TABLE 36**  
**Grade Progression Ratios**  
**Maple Dale-Indian Hill School District**

YEAR CHANGES	B:4K	B:K	K:1	1:2	2:3	3:4	4:5	5:6	6:7	7:8
10-11/11-12	0.173	0.179	1.000	1.039	0.933	1.061	1.020	1.000	1.147	1.053
11-12/12-13	0.108	0.178	1.125	1.026	1.019	1.071	1.029	0.923	0.962	0.846
12-13/13-14	0.111	0.141	0.972	1.044	0.950	1.037	1.022	0.917	0.938	1.100
13-14/14-15	0.142	0.143	0.933	1.114	1.085	1.105	0.946	0.913	0.939	1.022
14-15/15-16	0.184	0.175	1.065	0.929	1.128	1.020	1.119	1.057	1.071	1.065
15-16/16-17	0.208	0.233	1.079	0.909	1.192	1.045	0.981	0.957	0.982	1.022
16-17/17-18	0.169	0.222	0.981	0.927	1.033	1.097	0.957	0.980	0.978	1.018
17-18/18-19	0.131	0.181	0.917	1.039	0.947	0.968	1.059	1.045	1.020	1.000
18-19/19-20	0.168	0.153	0.955	0.932	0.962	0.917	1.067	1.000	1.087	1.059
<b>Baseline</b>	<b>0.161</b>	<b>0.173</b>	<b>0.984</b>	<b>0.991</b>	<b>0.999</b>	<b>1.047</b>	<b>1.029</b>	<b>0.972</b>	<b>1.017</b>	<b>1.034</b>
<b>5 Year Trend</b>	<b>0.172</b>	<b>0.193</b>	<b>0.999</b>	<b>0.947</b>	<b>1.053</b>	<b>1.009</b>	<b>1.036</b>	<b>1.008</b>	<b>1.028</b>	<b>1.033</b>
<b>2 Year "Trend"</b>	<b>0.150</b>	<b>0.167</b>	<b>0.936</b>	<b>0.986</b>	<b>0.955</b>	<b>0.942</b>	<b>1.063</b>	<b>1.023</b>	<b>1.053</b>	<b>1.029</b>

\*Shaded progression ratios are excluded from the Baseline Average

The grade progression ratios can be interpreted in the following manner. The Baseline ratio for 3:4 is 1.047. This means that in the school district, the fourth grade class is on average 4.7% larger each year than the third grade class was the previous year. The B:4K and B:K ratios are based on each school district's 4K and kindergarten students as a proportion of all births in the Nicolet School District area.



## Baseline Projections

This model assumes that long term (past ten years) trends in student membership and long-term birth trends will be representative of future trends in the district. The Baseline model (Table 37) for Maple Dale-Indian Hill School District projects student membership will increase from 422 students in 2019/20 to 457 students in 2024/25, an increase of 35 students.

**TABLE 37**  
**Baseline Projection Model**  
**Maple Dale-Indian Hill School District**

	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	43	42	42	43	44	44	45	46	46	47
K	45	47	45	46	46	47	47	48	49	49
1	40	44	46	45	45	45	46	47	47	48
2	42	40	44	45	44	44	45	45	46	47
3	41	42	40	44	45	44	44	45	45	46
4	53	43	44	42	46	48	46	46	47	48
5	34	55	44	45	43	47	49	48	48	48
6	31	33	53	43	44	42	46	48	46	47
7	37	32	34	54	44	44	43	46	48	47
8	52	38	33	35	56	45	46	44	48	50
<b>TOTAL</b>	<b>418</b>	<b>415</b>	<b>425</b>	<b>441</b>	<b>457</b>	<b>451</b>	<b>457</b>	<b>463</b>	<b>471</b>	<b>477</b>
4K-3	211	214	217	223	225	225	227	230	234	237
4-8	207	200	207	219	232	226	229	232	238	240



## Five-Year Trend Projections

The Five-Year Trend model (Table 38) uses the grade progression ratios from the last five years and recent birth trends to project future student membership. The Five-Year Trend model projects student membership will increase from 422 students in 2019/20 to 488 students in 2024/25 at Maple Dale-Indian Hill School District, an increase of 66 students.

**TABLE 38**  
**5 Year Trend Projection Model**  
**Maple Dale-Indian Hill School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	46	45	45	46	46	46	46	46	46	47
K	50	52	51	51	51	51	51	51	52	52
1	41	50	52	51	51	51	51	51	51	52
2	40	39	47	49	48	48	48	48	49	49
3	43	42	41	50	52	50	51	51	51	51
4	51	44	42	41	50	52	51	51	51	51
5	34	53	45	44	43	52	54	53	53	53
6	32	34	54	46	44	43	52	55	53	53
7	37	33	35	55	47	45	44	54	56	55
8	52	38	34	37	57	48	47	46	55	58
<b>TOTAL</b>	<b>427</b>	<b>430</b>	<b>446</b>	<b>468</b>	<b>488</b>	<b>487</b>	<b>496</b>	<b>506</b>	<b>518</b>	<b>520</b>
4K-3	220	227	236	246	247	246	247	248	249	250
4-8	207	203	211	222	241	241	248	258	269	270



## Two-Year "Trend" Projections

The Two-Year "Trend" model (Table 39) uses the grade progression ratios from the last two years and recent birth trends to project future student membership. Maple Dale-Indian Hill School District student membership is projected to decrease from 422 students in 2019/20 to 417 students in 2024/25, a decrease of only five students.

**TABLE 39**  
**2 Year "Trend" Projection Model**  
**Maple Dale-Indian Hill School District**

GRADE	SCHOOL YEAR									
	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	40	39	39	40	40	40	40	40	40	41
K	43	45	44	44	44	44	45	45	45	45
1	38	40	42	41	41	41	41	42	42	42
2	41	38	40	42	41	41	41	41	41	41
3	39	40	36	38	40	39	39	39	39	39
4	48	37	37	34	36	37	36	37	37	37
5	35	51	39	40	36	38	40	39	39	39
6	33	36	52	40	40	37	39	41	40	40
7	38	34	38	55	42	43	39	41	43	42
8	51	39	35	39	57	43	44	40	42	44
<b>TOTAL</b>	<b>408</b>	<b>399</b>	<b>403</b>	<b>412</b>	<b>417</b>	<b>404</b>	<b>404</b>	<b>403</b>	<b>407</b>	<b>409</b>
4K-3	202	202	201	204	205	205	206	206	207	208
4-8	205	197	202	208	211	199	198	197	200	201



## Kindergarten Trend Projections

The Kindergarten Trend model (Table 40) analyzes trends in kindergarten and assumes that the kindergarten trends will be similar in the future as they have over the last five years. The Kindergarten Trend model projects student membership will increase from 422 students in 2019/20 to 447 students in 2024/25, an increase of 25 students.

**TABLE 40**  
**Kindergarten Trend Projection Model**  
**Maple Dale-Indian Hill School District**

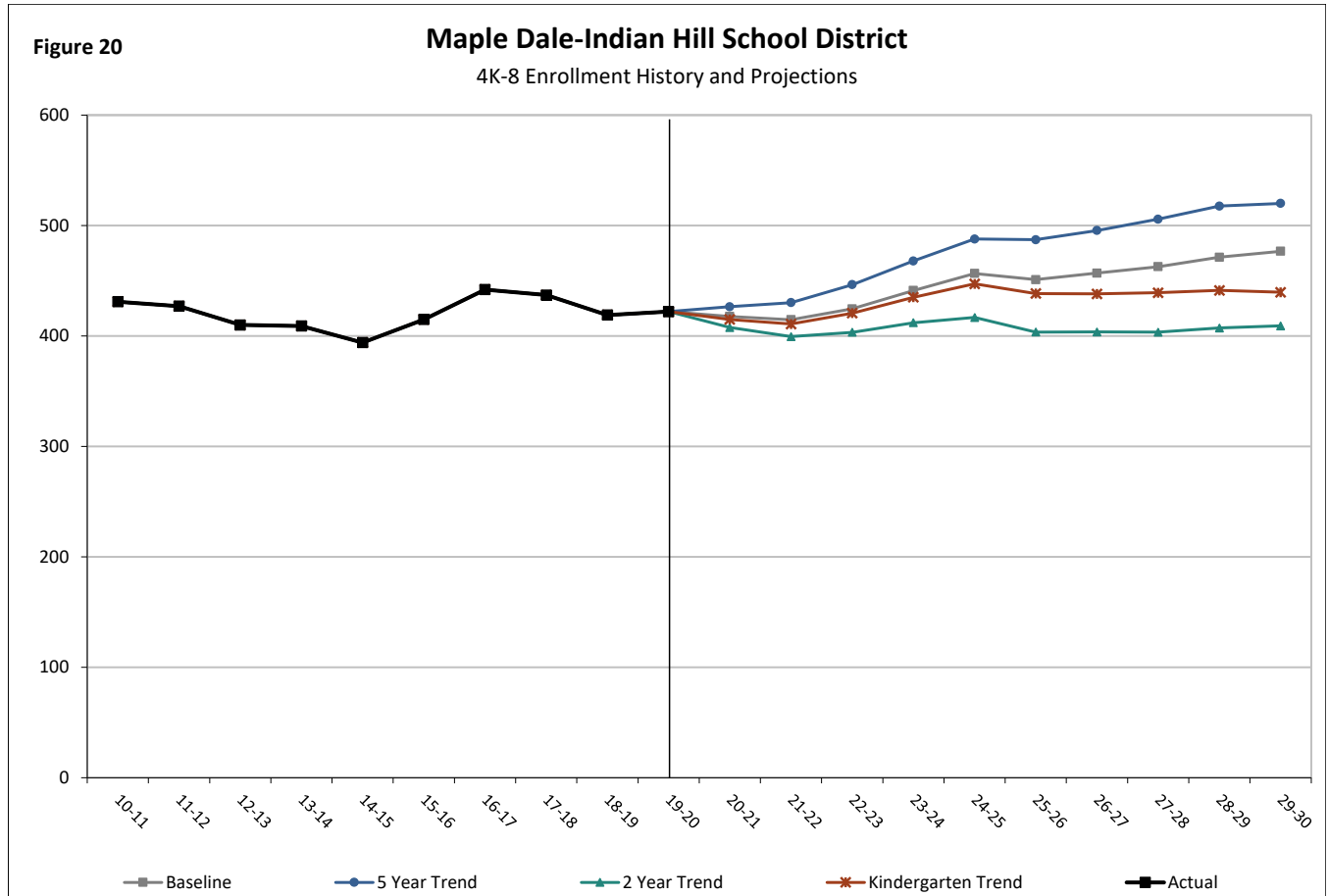
GRADE	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
4K	40	39	39	40	40	40	40	40	40	41
K	44	44	44	44	43	43	43	43	43	42
1	41	44	44	44	44	43	43	43	43	43
2	40	39	42	42	41	41	41	41	41	40
3	43	42	41	44	44	44	43	43	43	43
4	51	44	42	41	44	44	44	44	44	43
5	34	53	45	44	43	46	46	46	45	45
6	32	34	54	46	44	43	46	46	46	46
7	37	33	35	55	47	45	44	48	47	47
8	52	38	34	37	57	48	47	46	49	49
<b>TOTAL</b>	<b>415</b>	<b>411</b>	<b>421</b>	<b>435</b>	<b>447</b>	<b>438</b>	<b>438</b>	<b>439</b>	<b>441</b>	<b>440</b>
4K-3	208	208	210	213	212	211	211	210	209	209
4-8	207	203	211	222	235	227	227	229	232	231





## Comparison of Projections Models – Maple Dale-Indian Hill School District

Figures 20-22 and Tables 41-43 compare the different student membership projection models for the district as a whole and by grade groupings (4K-3 and 4-8) for Maple Dale-Indian Hill School District.

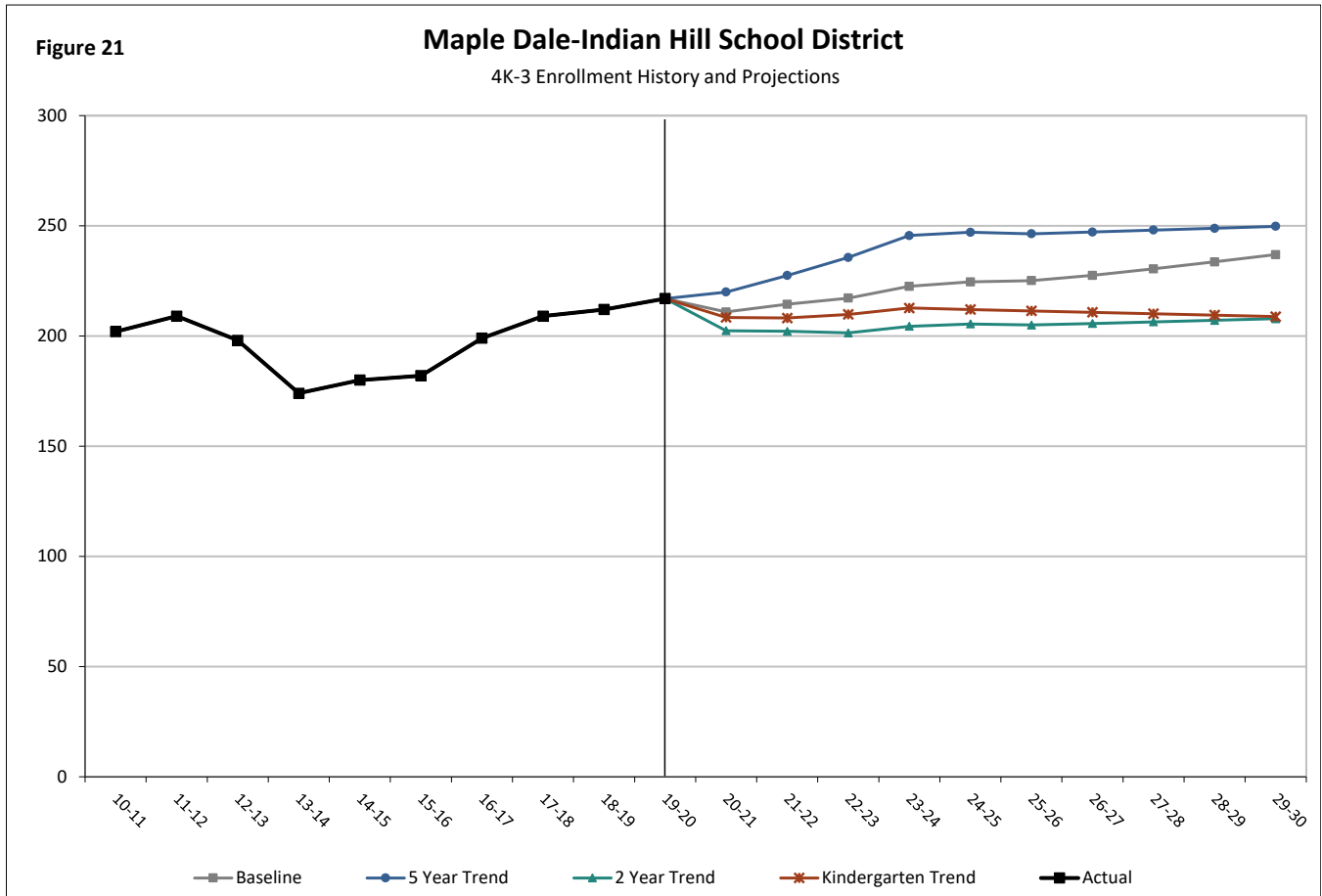


**TABLE 41**  
**Summary of 4K-8 Enrollment Projections**  
**Maple Dale-Indian Hill School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	418	415	425	441	457	451	457	463	471	477
5 Year Trend	427	430	446	468	488	487	496	506	518	520
2 Year "Trend"	408	399	403	412	417	404	404	403	407	409
Kindergarten Trend	415	411	421	435	447	438	438	439	441	440

The Two-Year “Trend” model projects steady student membership, while the Five-Trend model projects the greatest increase over the next five years. Grades 4K-8 projections five years from now (2024/25) forecast a range of student membership from 417 to 488.



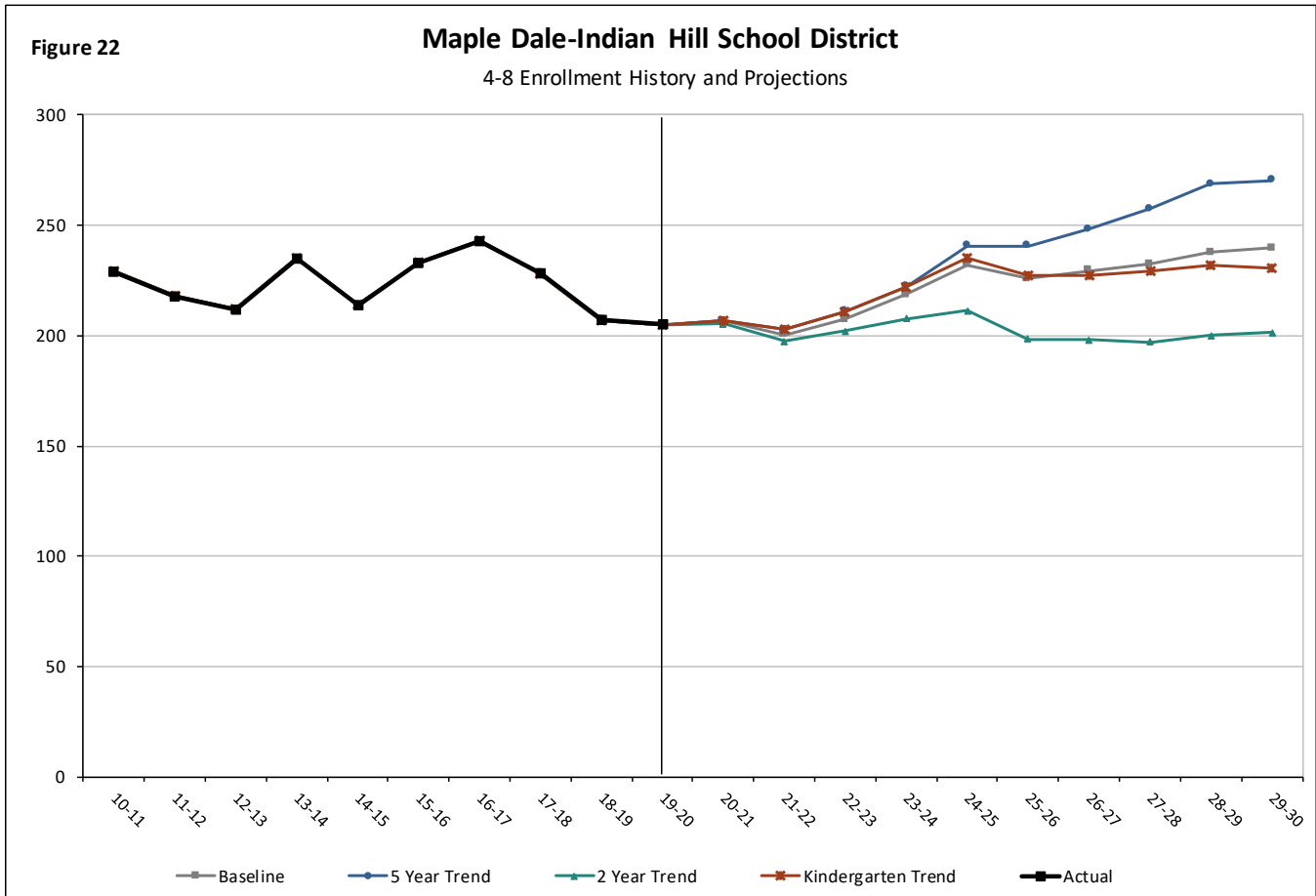


**TABLE 42**  
**Summary of 4K-3 Enrollment Projections**  
**Maple Dale-Indian Hill School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	211	214	217	223	225	225	227	230	234	237
5 Year Trend	220	227	236	246	247	246	247	248	249	250
2 Year "Trend"	202	202	201	204	205	205	206	206	207	208
Kindergarten Trend	208	208	210	213	212	211	211	210	209	209

Baseline and Five-Year Trend model project increasing student membership, while the Kindergarten and Two-Year trend models forecast a steady number of students. Grades 4K-2 projections five years from now (2024/25) forecast a range of student membership from 205 to 247.





**TABLE 43**  
**Summary of 4-8 Enrollment Projections**  
**Maple Dale-Indian Hill School District**

	20-21	21-22	22-23	23-24	24-25	25-26	26-27	27-28	28-29	29-30
Baseline	207	200	207	219	232	226	229	232	238	240
5 Year Trend	207	203	211	222	241	241	248	258	269	270
2 Year "Trend"	205	197	202	208	211	199	198	197	200	201
Kindergarten Trend	207	203	211	222	235	227	227	229	232	231

All models show steady student membership for two years followed by increasing student membership in the long term, except the Two-Year "Trend" model which shows steady number of students throughout this time period. Grades 4-8 projections five years from now (2024/25) forecast a range of student membership from 211 to 241.



## Conclusions

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These district-level enrollment projections are based on models that incorporate past and current demographic information and the district's own enrollment. Because most of the students in the district's schools over the next few years have already been born or are already in school, and because their grade progression from one year to another is reasonably predictable, the total district-level projections should be viewed as having high accuracy over the next few years.

After a few years, and increasingly for the lower elementary grades, actual enrollment figures will likely deviate from these projections by ever-increasing amounts. The reason for this divergence is that birth trends, in-migration of pre-school age children, and transfers into the district are more difficult to predict, making meaningful incorporation into enrollment projections a challenge. As with nearly all types of forecasts, accuracy in these enrollment projections decreases over time.

Because the projections found in this report incorporate the consequences of migration to and from the district, any significant and sustained interruption of recent migration patterns will erode these models' accuracy from the initiation point of the new pattern. Overall, the various projection models provide a realistic range of migration effects on the school district over the next ten years.

In five years, the district area might expect that:

- Nicolet Union decline will likely range from 23 to 41 students, a decrease of 2.2% to 4.0%.
- Fox Point-Bayside will likely gain student population ranging from 27 to 58 students, or an increase of 4% to 8%.
- Glendale-River Hills is projected to increase with in a range of 1 to 111 students or increasing by 0.1% to 11%.
- Maple Dale-Indian Hill is projected to increase by as much as 66 students or decline by as much as 5 students (+15% to -1.2%).

The district should continue to monitor enrollment change, and compare it with these projections, to assess the district's trajectory of future growth and the best-fitting projection model.

