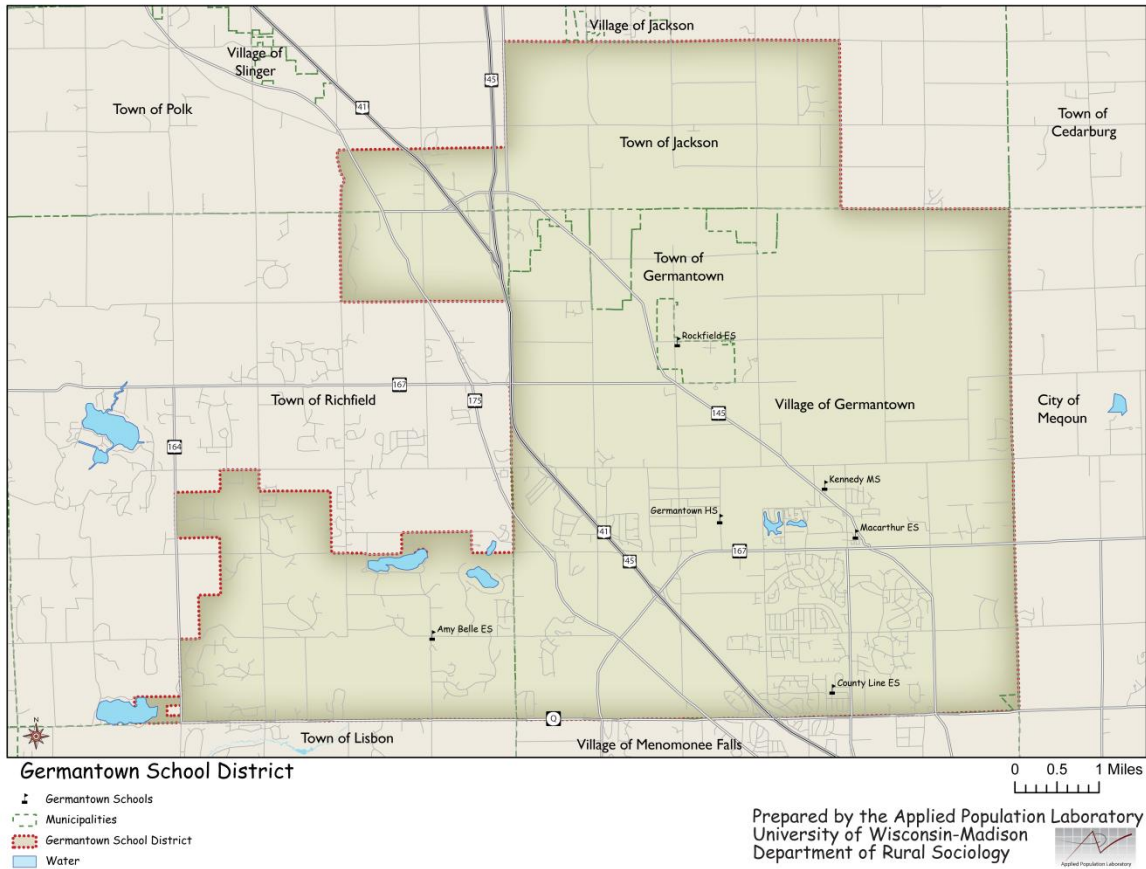


# Planning for the Schools of Tomorrow



## School Enrollment Projections Series Germantown School District

December 2009



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## Introduction

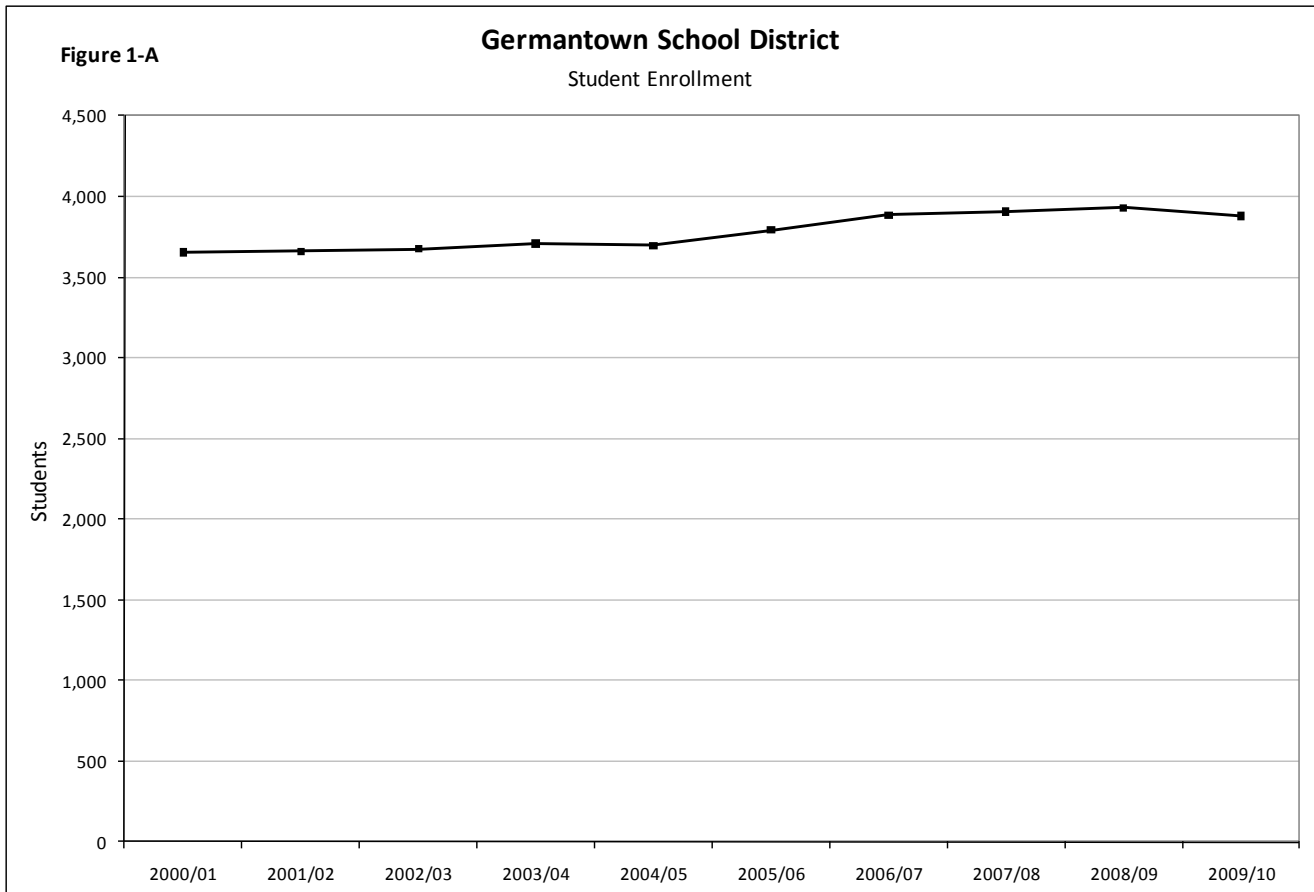
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This report offers a summary of the Enrollment Projection Analysis completed for the Germantown School District by the Applied Population Laboratory, University of Wisconsin – Madison. Projections (2010-2019) are provided for the district as a whole, and individually for each grade and grade grouping. In addition, projections are completed for the district’s elementary schools. The projection process uses a combination of historical enrollment data, birth trends and projections, housing starts data, and population trends and projections to create reasonable assumptions about future growth scenarios and the likely impact on the school district.

## District Enrollment History, 2000-2009

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Figures 1-A, 1-B, and 1-C and Tables 1 and 2 display data on the last ten years of enrollment history in the Germantown School District. District enrollment has shown slight increase since 2000, from 3,655 students in the 2000/01 school year to 3,880 students in 2009/10. This is a growth of 225 students, or a 6.2% increase in the number enrolled.



**TABLE 1**  
**Student Enrollment**  
**Germantown School District**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
K	269	211	233	241	221	250	273	251	259	212
1	237	275	221	247	253	253	263	289	256	268
2	270	232	276	231	243	275	255	266	299	245
3	265	278	235	281	243	249	286	270	268	302
4	261	273	283	251	283	254	251	297	282	272
5	278	269	277	288	251	293	257	256	296	285
6	282	289	279	278	292	266	310	278	269	309
7	287	283	291	290	288	302	281	321	290	273
8	260	292	296	291	296	290	304	276	323	290
9	330	312	327	334	356	352	379	355	340	379
10	321	333	305	330	333	352	356	370	356	332
11	292	320	334	308	326	341	339	348	356	359
12	303	294	317	338	310	316	330	330	336	354
<b>TOTAL</b>	<b>3,655</b>	<b>3,661</b>	<b>3,674</b>	<b>3,708</b>	<b>3,695</b>	<b>3,793</b>	<b>3,884</b>	<b>3,907</b>	<b>3,930</b>	<b>3,880</b>
K-12	3,655	3,661	3,674	3,708	3,695	3,793	3,884	3,907	3,930	3,880
K-5	1,580	1,538	1,525	1,539	1,494	1,574	1,585	1,629	1,660	1,584
6-8	829	864	866	859	876	858	895	875	882	872
9-12	1,246	1,259	1,283	1,310	1,325	1,361	1,404	1,403	1,388	1,424



**TABLE 2**  
**Student Enrollment Changes**  
**Germantown School District**

GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'04 to '09
K	-57	-48	-38	-21.2	-17.8	-15.2	-2.4	-4.5	-3.8
1	31	16	15	13.1	6.8	5.9	1.5	1.7	1.5
2	-25	-27	-30	-9.3	-10.0	-10.9	-1.0	-2.5	-2.7
3	37	-22	53	14.0	-8.3	21.3	1.6	-2.1	5.3
4	11	22	18	4.2	8.4	7.1	0.5	2.1	1.8
5	7	-27	-8	2.5	-9.7	-2.7	0.3	-2.4	-0.7
6	27	10	43	9.6	3.5	16.2	1.1	0.9	4.0
7	-14	1	-29	-4.9	0.3	-9.6	-0.5	0.1	-2.4
8	30	36	0	11.5	13.8	0.0	1.3	3.5	0.0
9	49	26	27	14.8	7.9	7.7	1.6	2.0	1.9
10	11	12	-20	3.4	3.7	-5.7	0.4	0.9	-1.4
11	67	34	18	22.9	11.6	5.3	2.5	2.9	1.3
12	51	7	38	16.8	2.3	12.0	1.9	0.6	3.0
<b>TOTAL</b>	<b>225</b>	<b>40</b>	<b>87</b>	<b>6.2</b>	<b>1.1</b>	<b>2.3</b>	<b>0.7</b>	<b>0.3</b>	<b>0.6</b>
K-12	225	40	87	6.2	1.1	2.3	0.7	0.3	0.6
K-5	4	-86	10	0.3	-5.4	0.6	0.0	-1.4	0.2
6-8	43	47	14	5.2	5.7	1.6	0.6	1.4	0.4
9-12	178	79	63	14.3	6.3	4.6	1.6	1.6	1.2



Figure 1-B shows enrollment history broken down by grade groupings (K-5, 6-8, and 9-12). The highest percentage increase in enrollment has been at the high school level, with a 14.3% increase in enrollment over the past decade.

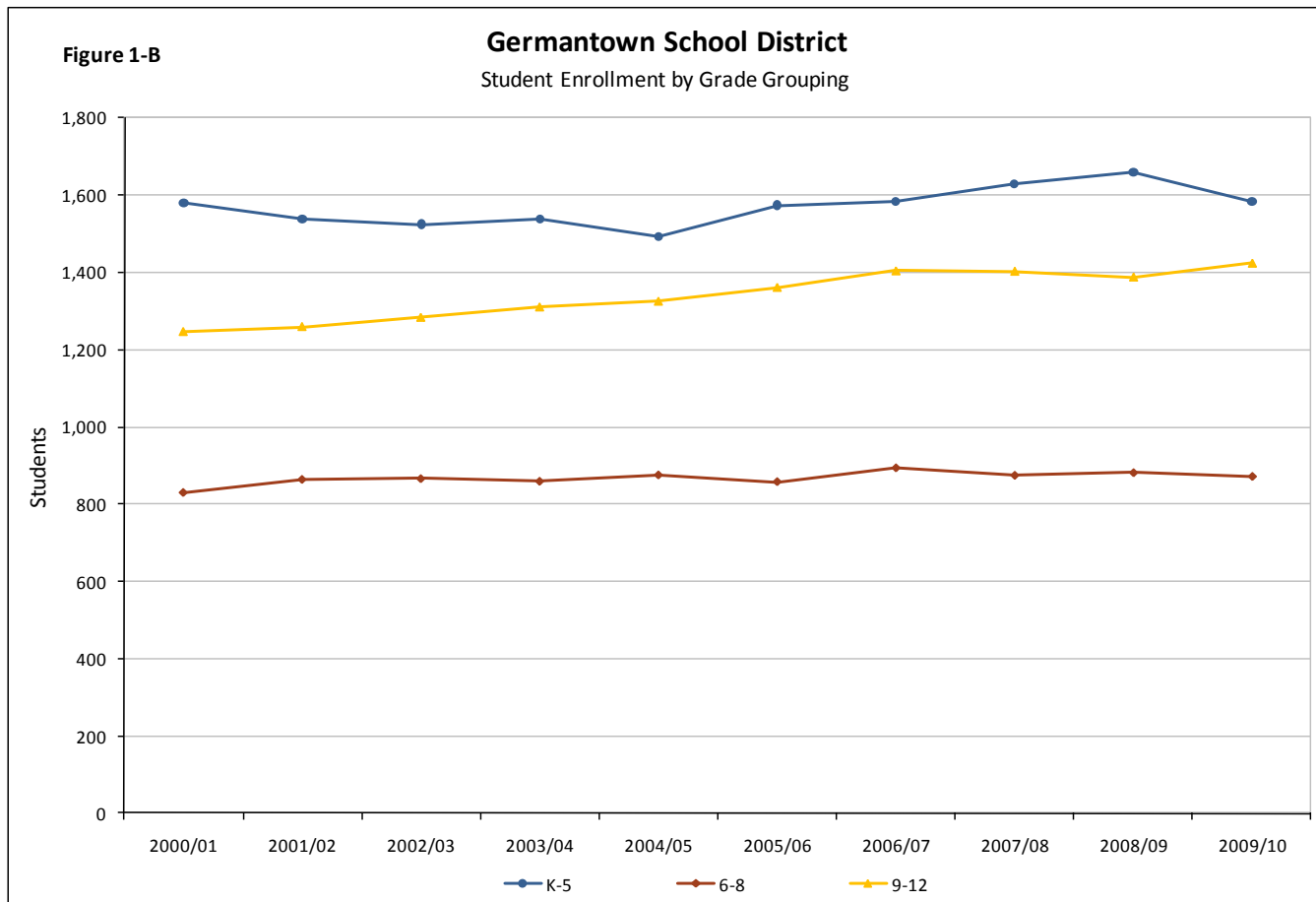
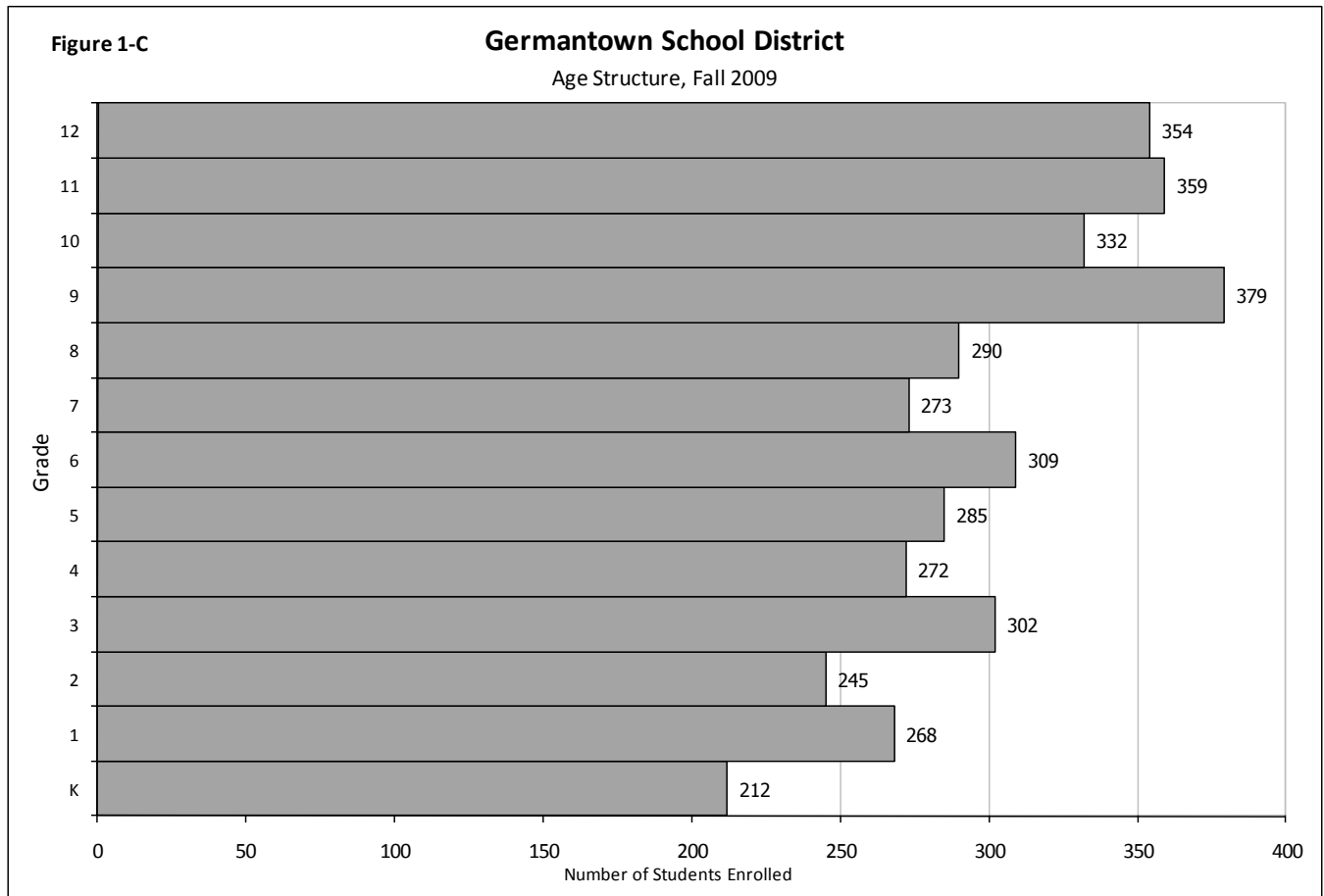
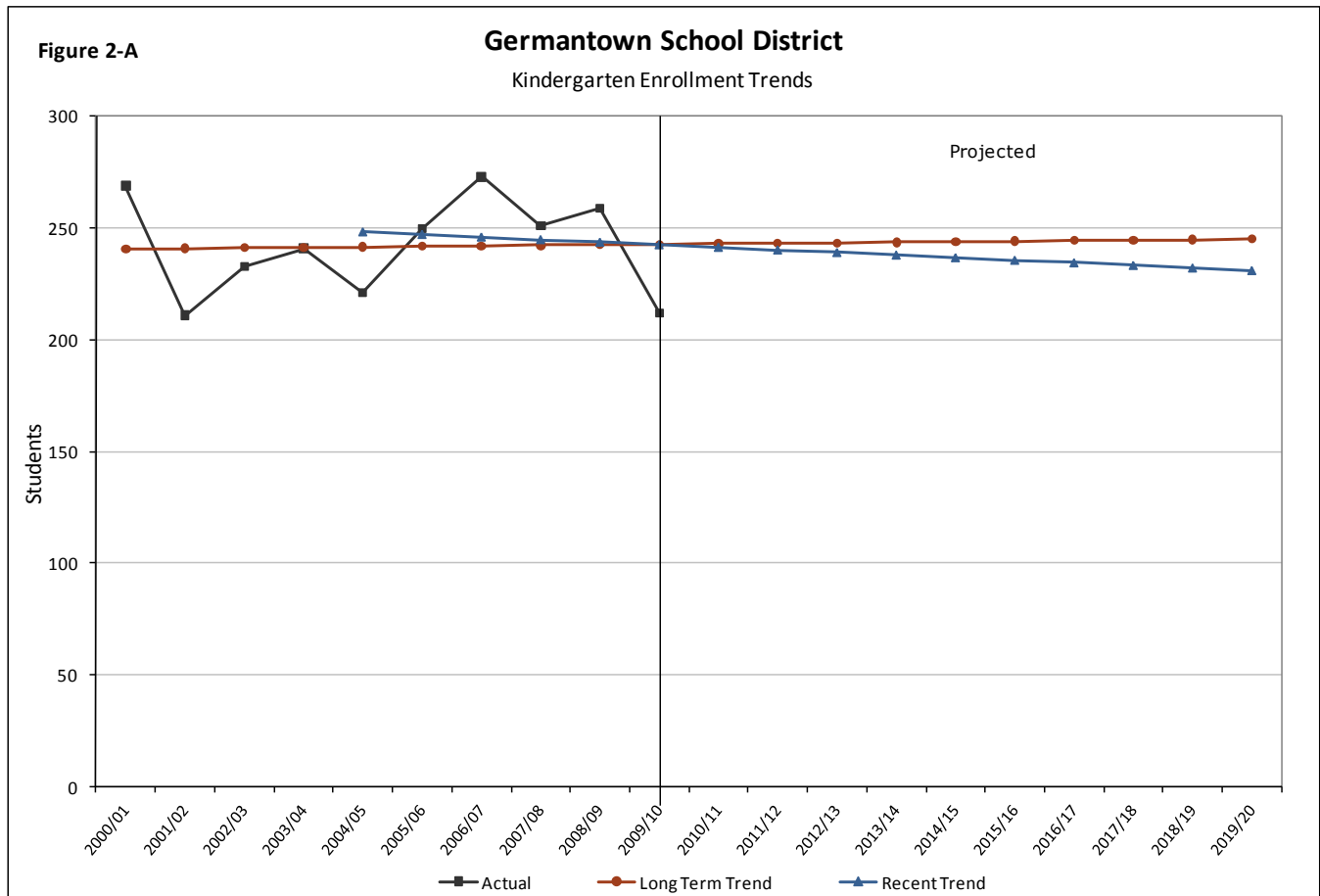


Figure 1-C shows the age structure in Fall 2009 of the Germantown School District student population with the number of kindergarteners at the bottom and the number of 12<sup>th</sup> graders at top. High school cohorts are large, particularly the 9<sup>th</sup> grade, with 379 students. Cohorts in younger grades, such as Kindergarten and 2<sup>nd</sup> grade are small, with 212 and 245 students, respectively.



## Kindergarten Enrollment Trends

Examining trends in kindergarten enrollment is particularly informative for gaining perspective on future district enrollment, as today’s kindergarteners will gradually make up tomorrow’s students at the higher grade levels as they age and move through the school system. When kindergarten enrollment is increasing, elementary and middle school enrollment might be expected to increase in the near future, while middle or high school enrollment may increase farther in the future. Figure 2-A shows kindergarten enrollment history in black, and trend lines depicting kindergarten enrollment in red and blue. The “Long Term Trend” line (shown in red) averages kindergarten enrollment changes between 2000 and 2009. The “Recent Trend” line emphasizes kindergarten enrollment changes over the last five years. In the Germantown School District, kindergarten enrollment has seen overall decrease since peak enrollment in the 2006/07 school year, though the regression for the longer term trends shows a slight increase in kindergarten enrollment.



## Comparing Past Projections to Recent Enrollment

The APL completed enrollment projection analyses for the Germantown School District during the 2002/03 school year, allowing us to compare past projections to recent district enrollment. The following tables organize past projections and current enrollment counts so that comparisons can easily be made. Table 3-A compares projections completed in 2002/03 to actual enrollment in fall 2009 for four projection models. The Baseline model was the most accurate model for the Germantown School District, over projecting enrollment by 121 students, or 3.11%. The Kindergarten Trend model was the best model for predicting the number of Kindergarteners, over projecting the number of kindergarteners in the district by three students.

**TABLE 3-A**  
**Comparison of Actual Enrollments (Fall 2009) with Projected Enrollment (2003)**  
**Germantown School District**

Grade	Actual Enrollment 2009-10	Baseline Model		5 Year Trend Model		2 Year "Trend" Model		Kindergarten Trend Model	
		09-10	Difference	09-10	Difference	09-10	Difference	09-10	Difference
K	212	278	66	245	33	224	12	215	3
1	268	295	27	263	-5	241	-27	235	-33
2	245	296	51	257	12	237	-8	234	-11
3	302	298	-4	260	-42	241	-61	241	-61
4	272	282	10	248	-24	256	-16	245	-27
5	285	315	30	274	-11	252	-33	250	-35
6	309	312	3	271	-38	258	-51	258	-51
7	273	274	1	259	-14	272	-1	259	-14
8	290	260	-30	244	-46	257	-33	244	-46
9	379	368	-11	354	-25	370	-9	354	-25
10	332	310	-22	296	-36	310	-22	296	-36
11	359	366	7	346	-13	361	2	346	-13
12	354	346	-8	330	-24	339	-15	330	-24
<b>TOTAL</b>	<b>3,880</b>	<b>4,001</b>	<b>121</b>	<b>3,648</b>	<b>-232</b>	<b>3,618</b>	<b>-262</b>	<b>3,508</b>	<b>-372</b>
K-12	3,880	4,001	121	3,648	-232	3,618	-262	3,508	-372
K-5	1,584	1,763	179	1,548	-36	1,451	-133	1,421	-163
6-8	872	847	-25	774	-98	787	-85	760	-112
9-12	1,424	1,391	-33	1,326	-98	1,380	-44	1,326	-98



Table 3-B shows the difference between projected K-12 enrollment for each model and the actual enrollment for the Germantown School District for each year from 2003/04 to 2009/10. The Baseline model is the most accurate model for the district each year, with the exception of the 2004/05 school year, where the Last Year Pattern model is the most accurate model. The percent error for K-12 projections each year for the Baseline model ranges from -.22% to 3.11% error.

**TABLE 3-B**  
**Comparison of Past Projections of K-12 Enrollment with Actual Enrollment, 2003-04 to 2009-10**  
**Germantown School District**

MODEL	SCHOOL YEAR						
	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>Baseline Difference</b>	10	77	32	-8	8	18	121
Percent Error	0.26%	2.08%	0.86%	-0.22%	0.20%	0.47%	3.11%
<b>5 Year Trend Difference</b>	-38	-23	-112	-203	-237	-280	-232
Percent Error	-1.03%	-0.62%	-2.96%	-5.23%	-6.07%	-7.12%	-5.98%
<b>2 Year Trend Difference</b>	-46	-39	-116	-212	-255	-305	-262
Percent Error	-1.23%	-1.07%	-3.06%	-5.47%	-6.53%	-7.76%	-6.75%
<b>Last Year Pattern Difference</b>	-27	-3	-87	-181	-213	-256	-211
Percent Error	-0.73%	-0.09%	-2.31%	-4.66%	-5.44%	-6.53%	-5.45%
<b>Kindergarten Reg. Difference</b>	-50	-57	-151	-259	-317	-388	-372
Percent Error	-1.35%	-1.55%	-3.98%	-6.68%	-8.12%	-9.86%	-9.59%

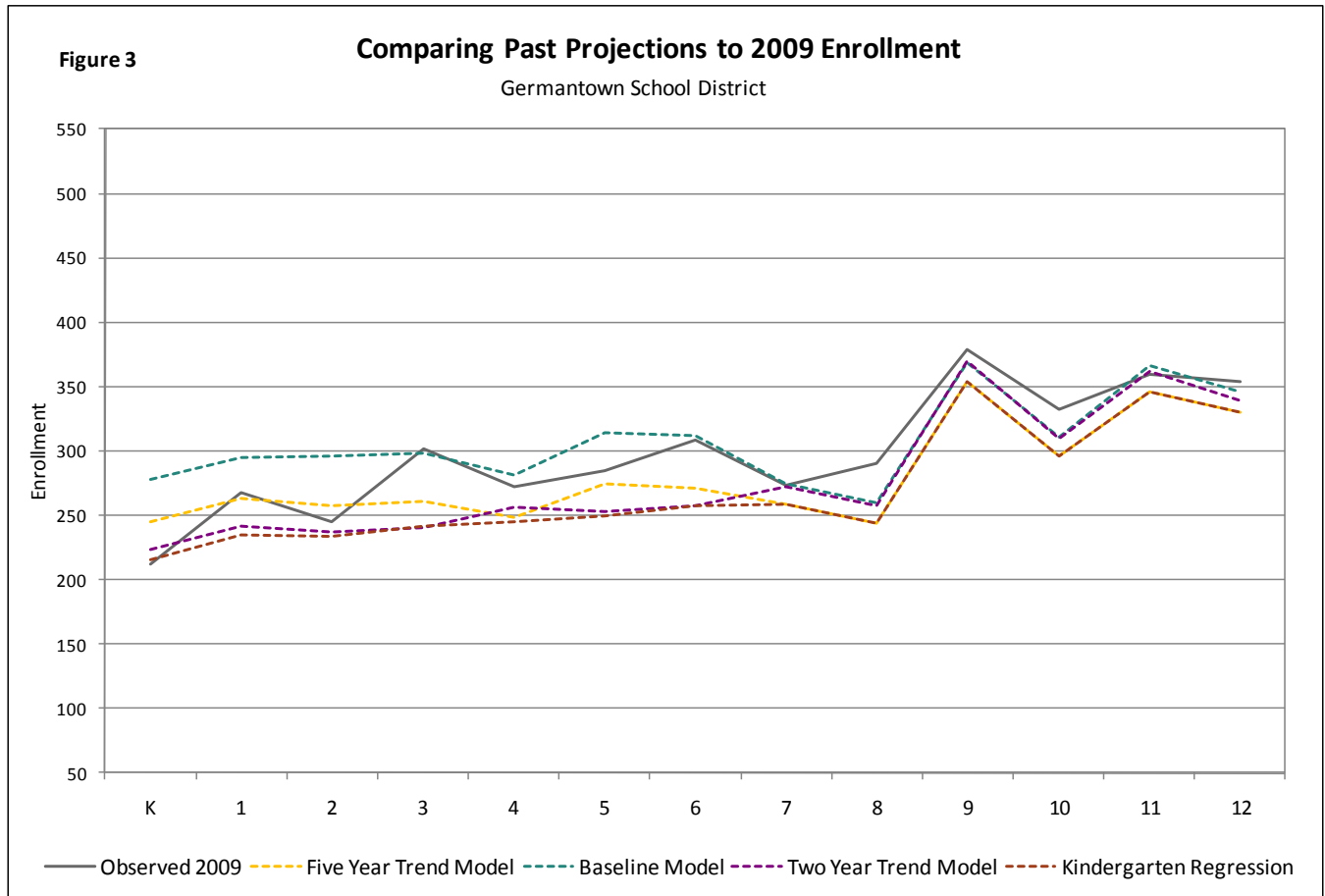
Table 3-C compares kindergarten Enrollment in the district to kindergarten projections for each of the projection models completed in 2002/03.

**TABLE 3-C**  
**Comparing Kindergarten Enrollment to Past Projections**  
**Germantown School District**

	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
<b>Actual</b>	<b>241</b>	<b>221</b>	<b>250</b>	<b>273</b>	<b>251</b>	<b>259</b>	<b>212</b>
Baseline	263	271	248	267	271	274	278
5 Year	239	247	226	239	241	243	245
Two Year	214	219	226	218	220	222	224
Last Year	230	237	217	217	217	217	217
Kindergarten Regression	228	225	223	221	219	217	215
<i>Difference/Error</i>	-2	-3	-2	-6	-10	15	3



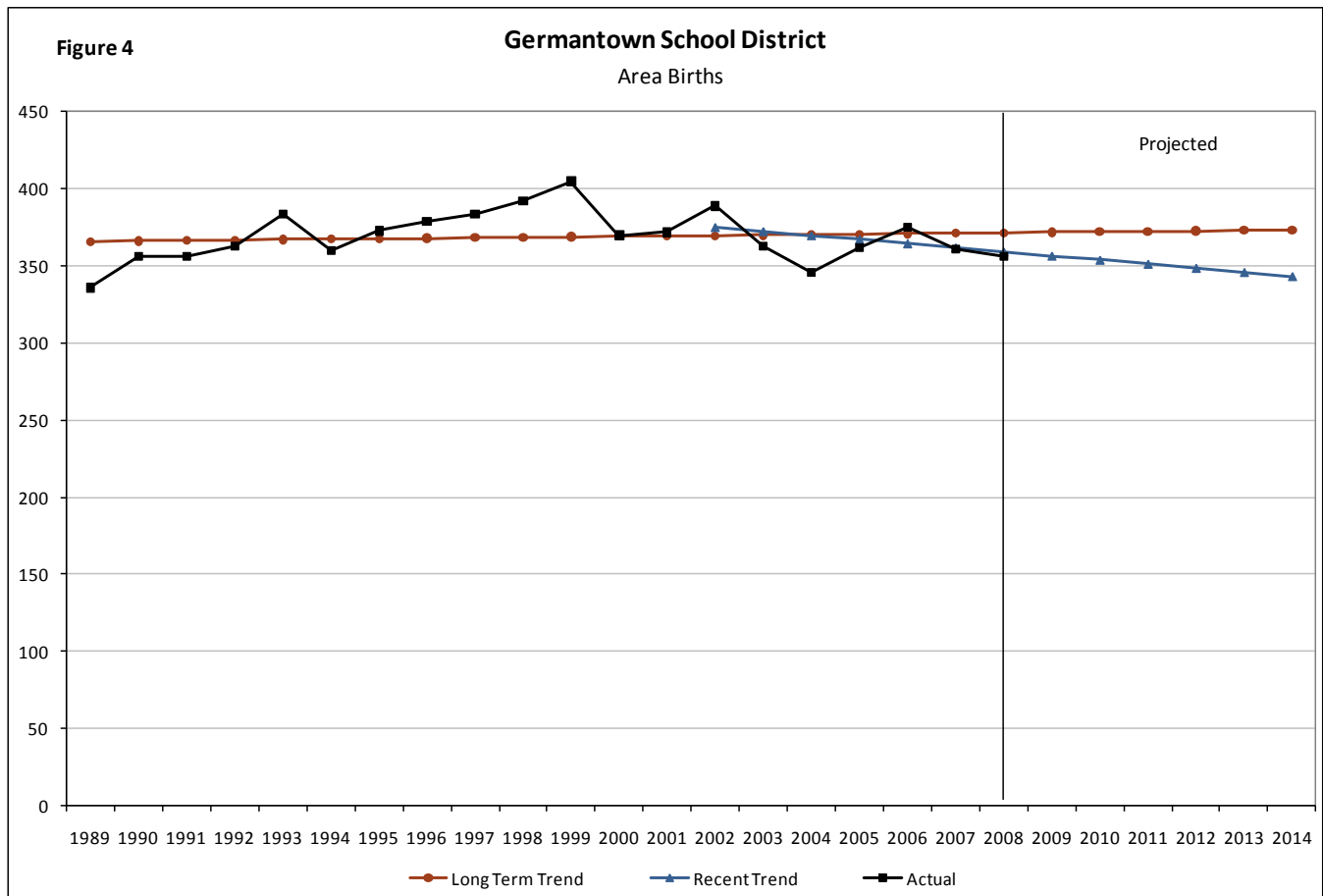
Figure 3 compares observed enrollment in fall 2009 with the each of the different models from the previous projections completed for the Germantown School District. Overall, most of the models under-projected high school enrollment and, with the exception of the two year trend model, elementary enrollments.



## Birth Trends and Projections

We use historical and projected birth data to forecast the number of Kindergarten students who will enroll in the Germantown School District in the future years. Births for the Village of Germantown and the Towns of Germantown, Richfield, and Jackson are included. Figure 4 shows (in black) the number of births to mothers living in municipalities that fall within school district boundaries, by year, from 1989-2008, as collected from the Wisconsin Department of Health and Family Services. Numbers of births have decreased slightly over the past several years, but have shown increase over the past 20 years.

We extrapolate these birth trends into the future to correspond with our Baseline and Recent Trend projection models, using the B:K grade progression ratios to transform births into future Kindergarteners. The red line in Figure 4 represents birth trends over the longer term (between 1989 and 2008). The blue line examines birth patterns for the last seven years corresponds to the Recent Trend projection models shown later in this report.



## Population Estimates and Projections

This section examines population trends of the recent past and projected population change into the future for municipalities that fall within the Germantown School District area. Changes in the total population of the district area, particularly when examined by age, provide clues into how the school age population may be changing.

Table 4 and Figure 5-A provide Wisconsin Department of Administration (DOA) estimates for district area municipalities from 1990 to 2009. These municipal estimates can be compared with estimates for Washington County and the State of Wisconsin. The Germantown School District area grew quickly from 1990-2000. Since that point in time, growth has slowed considerably, especially within the past three years.

**TABLE 4**  
**Population Estimates of Municipalities: 1990-2009**  
**Germantown School District**

Municipality	POPULATION						
	Census 1990	Census 2000	est. 2005	est. 2006	est. 2007	est. 2008	est. 2009
V. Germantown	13,658	18,260	19,189	19,640	19,750	19,895	19,930
T. Germantown	258	278	269	268	284	285	287
T. Richfield	8,993	10,373	11,336	11,385	11,385	11,440	11,470
T. Jackson	3,172	3,516	3,767	3,821	3,892	3,910	3,922
<b>District Area</b>	<b>26,081</b>	<b>32,427</b>	<b>34,561</b>	<b>35,114</b>	<b>35,311</b>	<b>35,530</b>	<b>35,609</b>
Washington County	106,966	117,496	125,940	127,871	129,316	130,493	131,066
State of Wisconsin	4,891,769	5,363,715	5,580,757	5,617,744	5,648,124	5,675,000	5,688,000

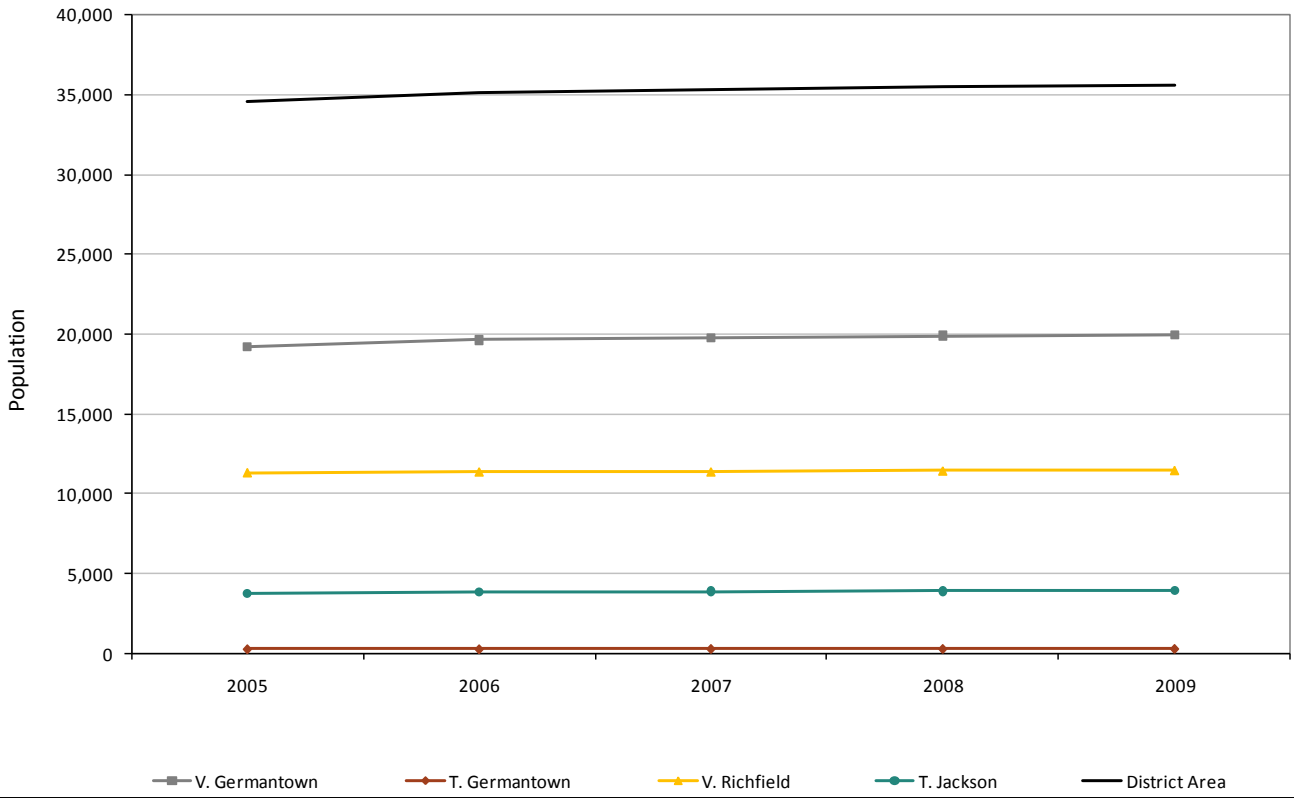
Municipality	PERCENT CHANGE						AVG. ANNUAL 2000-2009
	1990 to 2000	2000 to 2005	2005 to 2006	2006 to 2007	2007 to 2008	2008 to 2009	
V. Germantown	33.7%	5.1%	2.4%	0.6%	0.7%	0.2%	1.0%
T. Germantown	7.8%	-3.2%	-0.4%	6.0%	0.4%	0.7%	0.4%
T. Richfield	15.3%	9.3%	0.4%	0.0%	0.5%	0.3%	1.2%
T. Jackson	10.8%	7.1%	1.4%	1.9%	0.5%	0.3%	1.3%
<b>District Area</b>	<b>24.3%</b>	<b>6.6%</b>	<b>1.6%</b>	<b>0.6%</b>	<b>0.6%</b>	<b>0.2%</b>	<b>0.5%</b>
Washington County	9.8%	7.2%	1.5%	1.1%	0.9%	0.4%	0.6%
State of Wisconsin	9.6%	4.0%	0.7%	0.5%	0.5%	0.2%	0.3%

Source: Official Population Estimates (1990-2009). Demographic Services Center, WIDOA



Figure 5-A

### Germantown School District Population Estimates for Area Municipalities



Population projections to 2020 for Germantown School District area municipalities are provided in Table 5. These projections suggest that area population will continue to increase in the coming years, although at rates slightly slower than the growth seen from 2000-05. Overall, the district area is expected to gain about 6,844 residents between 2005 and 2020.

**TABLE 5**  
**Population Projections of Municipalities: 1990-2020**  
**Germantown School District**

Municipality	POPULATION							CHANGE 2000 to 2020
	Census 1990	Estimate 1995	Census 2000	Estimate 2005	Projections			
					2010	2015	2020	
V. Germantown	13,658	15,864	18,260	19,189	20,608	22,036	23,448	5,188
T. Germantown	258	265	278	269	264	262	259	-19
V. Richfield	8,993	9,527	10,373	11,336	11,993	12,712	13,420	3,047
T. Jackson	3,172	3,342	3,516	3,767	3,931	4,106	4,278	762
<b>District Area</b>	<b>26,081</b>	<b>28,998</b>	<b>32,427</b>	<b>34,561</b>	<b>36,796</b>	<b>39,116</b>	<b>41,405</b>	<b>8,978</b>
Washington County	106,966	106,966	117,496	125,940	133,845	142,091	150,219	32,723
State of Wisconsin	4,891,769	5,101,581	5,363,715	5,580,757	5,751,470	5,931,386	6,110,878	747,163

Municipality	PERCENT CHANGE						
	Observed & Estimated			Projected			
	1990-95	1995-00	2000-05	2005-10	2010-15	2015-20	2000-20
V. Germantown	16.2%	15.1%	5.1%	7.4%	6.9%	6.4%	28.4%
T. Germantown	2.7%	4.9%	-3.2%	-1.9%	-0.8%	-1.1%	-6.8%
V. Richfield	5.9%	8.9%	9.3%	5.8%	6.0%	5.6%	29.4%
T. Jackson	5.4%	5.2%	7.1%	4.4%	4.5%	4.2%	21.7%
<b>District Area</b>	<b>11.2%</b>	<b>11.8%</b>	<b>6.6%</b>	<b>6.5%</b>	<b>6.3%</b>	<b>5.9%</b>	<b>27.7%</b>
Washington County	0.0%	9.8%	7.2%	6.3%	6.2%	5.7%	27.9%
State of Wisconsin	4.3%	5.1%	4.0%	3.1%	3.1%	3.0%	13.9%

Municipality	ANNUAL RATE OF CHANGE						
	Observed & Estimated			Projected			
	1990-95	1995-2000	2000-05	2005-10	2010-15	2015-20	2000-20
V. Germantown	3.2%	3.0%	1.0%	1.5%	1.4%	1.3%	1.4%
T. Germantown	0.5%	1.0%	-0.6%	-0.4%	-0.2%	-0.2%	-0.3%
V. Richfield	1.2%	1.8%	1.9%	1.2%	1.2%	1.1%	1.5%
T. Jackson	1.1%	1.0%	1.4%	0.9%	0.9%	0.8%	1.1%
<b>District Area</b>	<b>2.2%</b>	<b>2.4%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.3%</b>	<b>1.2%</b>	<b>1.4%</b>
Washington County	0.0%	2.0%	1.4%	1.3%	1.2%	1.1%	1.4%
State of Wisconsin	0.9%	1.0%	0.8%	0.6%	0.6%	0.6%	0.7%

Source: Population Projections for Wisconsin Municipalities: 2000-35 (2008). Demographic Services Center, WIDOA



Table 6 shows population projections by age for Washington County. Overall, the number of school aged children is expected to increase by 2035. Because these projections are for the entirety of Washington County, they may or may not resemble the future age structure of the population within the Germantown School District area.

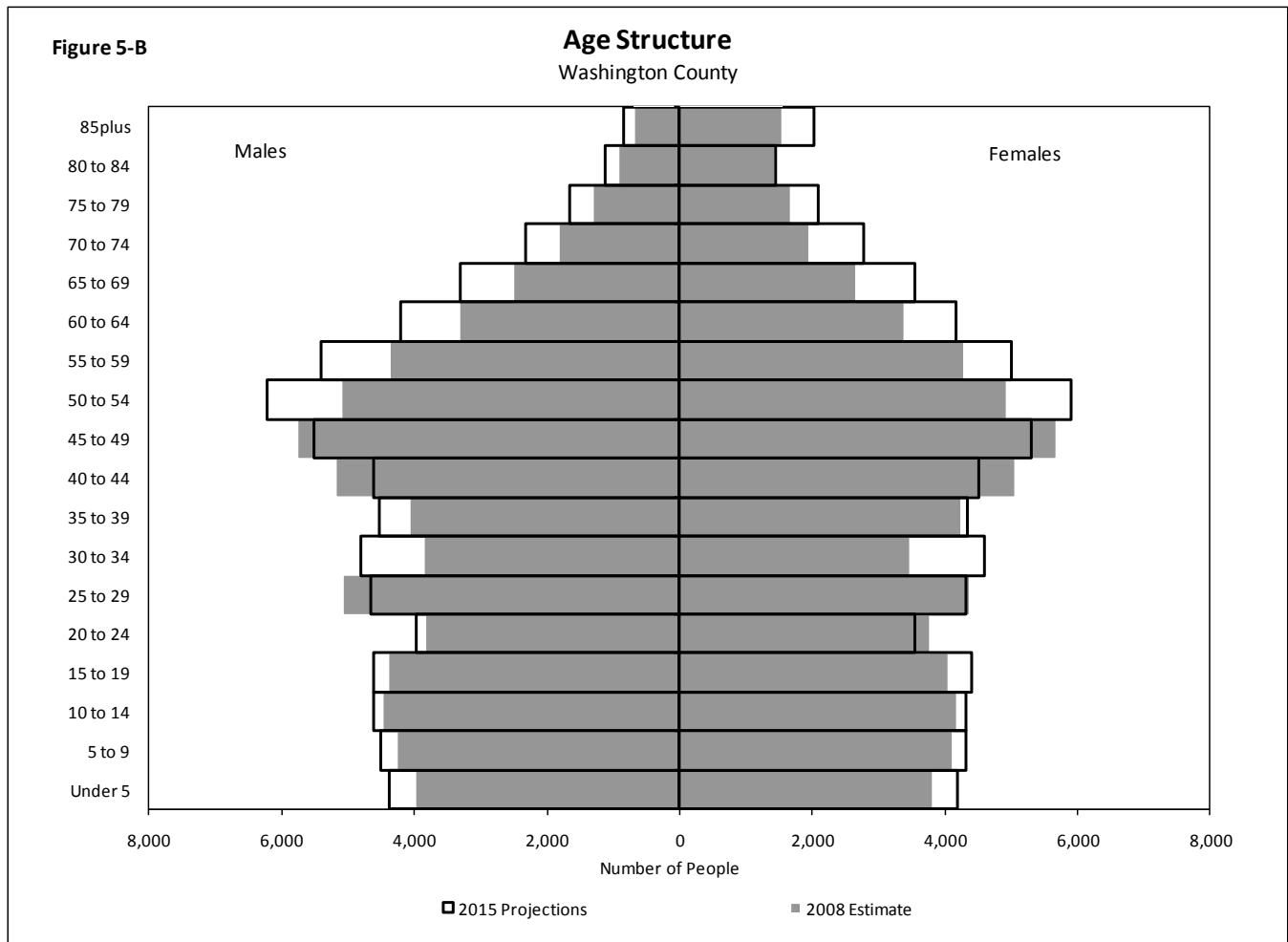
**TABLE 6**  
**Population Projections by Age: 2010-2035**  
**Germantown School District**

Washington County						
Age Group	2010	2015	2020	2025	2030	2035
0-4	7,999	8,567	9,045	9,273	9,372	9,472
5-9	8,474	8,813	9,385	9,810	9,977	10,017
10-14	9,271	8,916	9,245	9,784	10,179	10,307
15-19	8,935	9,020	8,672	8,960	9,457	9,812
20-24	7,568	7,532	7,596	7,278	7,500	7,895
25-29	8,239	8,957	8,922	8,984	8,570	8,809
30-34	7,847	9,414	10,164	10,073	10,052	9,559
35-39	8,575	8,862	10,480	11,202	11,063	10,948
40-44	10,507	9,129	9,418	11,019	11,717	11,538
45-49	12,140	10,808	9,388	9,647	11,225	11,896
50-54	10,698	12,131	10,803	9,361	9,603	11,147
55-59	8,864	10,413	11,813	10,497	9,083	9,303
60-64	7,192	8,376	9,849	11,156	9,904	8,562
65-69	5,348	6,853	7,991	9,385	10,639	9,453
70-74	4,120	5,097	6,534	7,641	9,020	10,275
75-79	3,139	3,750	4,648	5,973	7,030	8,344
80-84	2,473	2,586	3,114	3,877	5,012	5,940
85-89	1,560	1,746	1,832	2,237	2,821	3,671
90-94	679	828	948	1,003	1,248	1,602
95-99	187	253	316	373	399	509
100 & Over	30	40	56	73	90	100
<b>Totals</b>	<b>133,845</b>	<b>142,091</b>	<b>150,219</b>	<b>157,606</b>	<b>163,961</b>	<b>169,159</b>

Source: Population Projections for Wisconsin Counties: 2000-2035 (2008). Demographic Services Center, WIDOA



Figure 5-B shows population estimates for 2008 by age for Washington County from the U.S. Census Bureau and population projections for 2015 produced by the Wisconsin Department of Administration Demographic Services Center. By 2015 the numbers of children in the county, especially those under 5, are projected to increase. The total number of 5-19 year olds within the county is expected to increase by 1,273 individuals by 2015. It is important to note that this data is at the county level, and may or may not resemble the future age structure of the population within the Germantown School District.



## Residential Development

Examining trends in recent housing development can help to explain how in-migration into the Germantown 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, demand for housing, etc.), making future growth patterns difficult to predict.

Table 7 shows the number of housing starts in the Germantown School District over the past ten years. Area housing starts have fluctuated from a high of 361 units in 1999 (including 255 single family homes), to a low of 71 new housing starts in 2008. This data come from Wisconsin's Demographic Services Center within the Department of Administration via annual surveys of municipalities.

**TABLE 7**  
**School District Area Housing Starts**  
**Germantown School District**

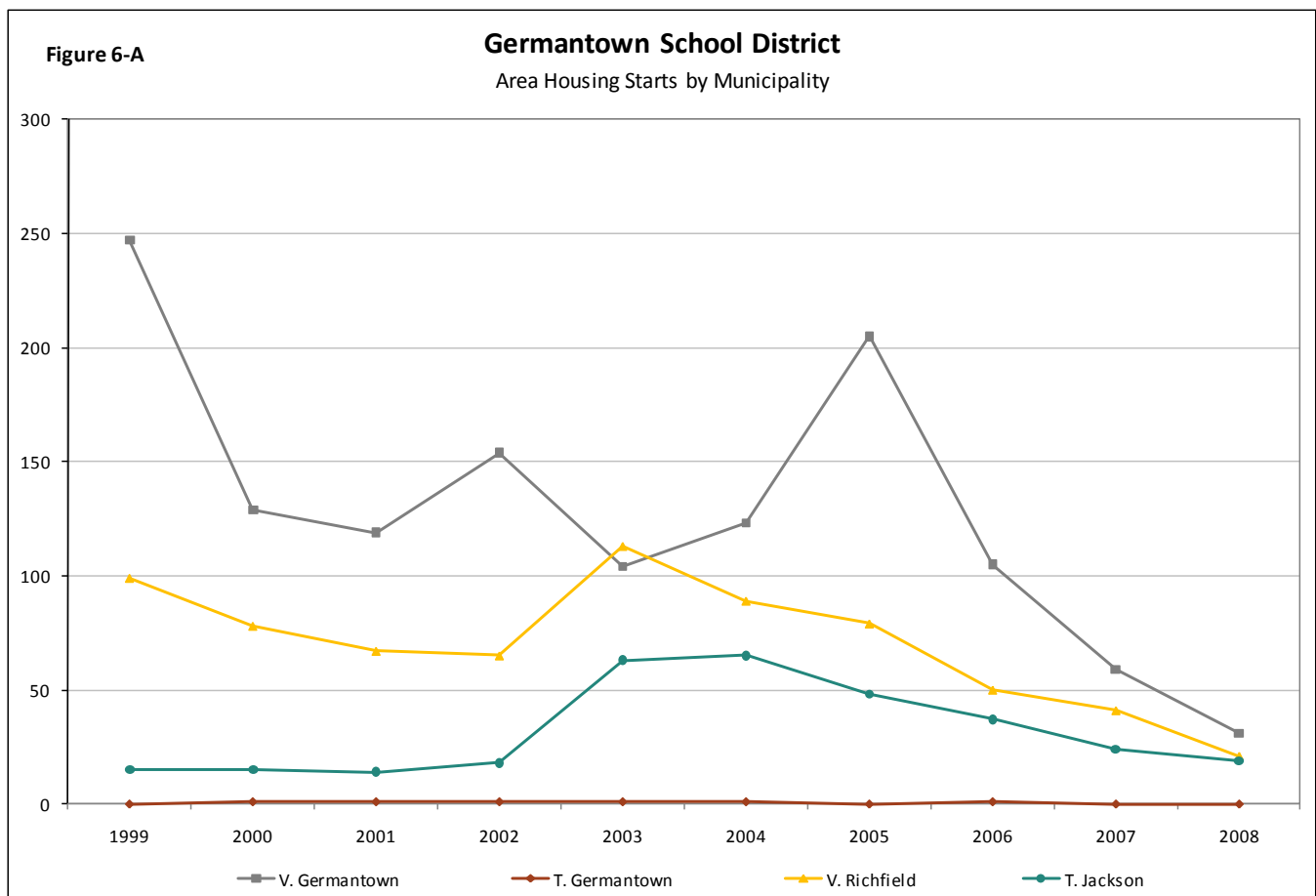
	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
<b>District Area</b>										
<b>TOTAL</b>	<b>361</b>	<b>223</b>	<b>201</b>	<b>238</b>	<b>281</b>	<b>278</b>	<b>332</b>	<b>193</b>	<b>124</b>	<b>71</b>
Single Family	255	159	181	194	277	268	196	131	94	67
Two Family	40	14	12	10	4	2	12	14	26	4
Multi-family	66	50	8	34	0	8	124	48	4	0
<b>V. Germantown</b>										
<b>TOTAL</b>	<b>247</b>	<b>129</b>	<b>119</b>	<b>154</b>	<b>104</b>	<b>123</b>	<b>205</b>	<b>105</b>	<b>59</b>	<b>31</b>
Single Family	141	65	99	110	100	113	69	43	29	27
Two Family	40	14	12	10	4	2	12	14	26	4
Multi-family	66	50	8	34	0	8	124	48	4	0
<b>T. Germantown</b>										
<b>TOTAL</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>
Single Family	0	1	1	1	1	1	0	1	0	0
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
<b>V. Richfield</b>										
<b>TOTAL</b>	<b>99</b>	<b>78</b>	<b>67</b>	<b>65</b>	<b>113</b>	<b>89</b>	<b>79</b>	<b>50</b>	<b>41</b>	<b>21</b>
Single Family	99	78	67	65	113	89	79	50	41	21
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0
<b>T. Jackson</b>										
<b>TOTAL</b>	<b>15</b>	<b>15</b>	<b>14</b>	<b>18</b>	<b>63</b>	<b>65</b>	<b>48</b>	<b>37</b>	<b>24</b>	<b>19</b>
Single Family	15	15	14	18	63	65	48	37	24	19
Two Family	0	0	0	0	0	0	0	0	0	0
Multi-family	0	0	0	0	0	0	0	0	0	0

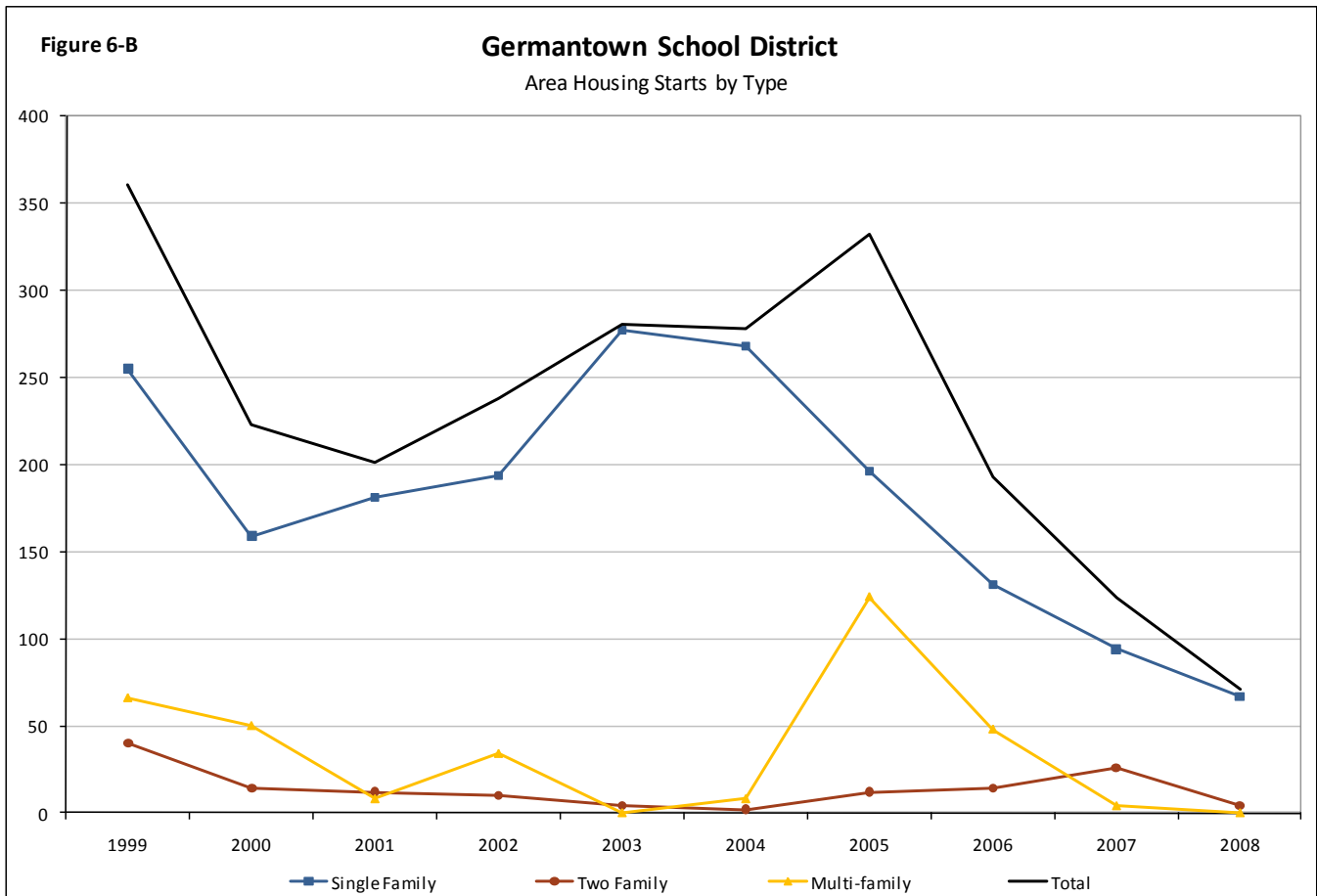


Figure 6-A shows the number of residential building permits issued by municipality for communities that fall within the Germantown School District area. Figure 6-B shows housing starts in the area by type of housing unit—single family home, duplex, or multi-family housing units.

The majority of housing development over the last several years has occurred in the Village of Germantown. There is also some development in the Town of Jackson and the Village of Richfield. There are very few housing starts in the Town of Germantown. Most of the development in the area has consisted of single-family homes; however there are some years where a large amount of multi-family residential development has occurred within the Village of Germantown. Households in two-family and multi-family complexes, on average, contain fewer school-aged children than single family homes.

The entire district area has experienced a decline in development over the past three years. This is consistent with housing and economic trends in Washington County, Wisconsin, and the United States as a whole. The housing market continues to see effects from the nation’s recession, and new housing development is expected to be down from previous levels again in 2009.





It is also important to consider that turnover in ownership of existing housing stock also contributes to changes in enrollment. A district can maintain or even increase enrollment depending upon the cycle of resident homeowners, regardless of housing starts. For instance, a younger community will have a higher child-per-household ratio, whereas an older community will have a lower child-per-household ration. However, within a few years a turnover in ownership in an older community may result in an increase in the child-per-household number. As younger families move into the area, the school district will tend to see new students enrolling into the district's schools. Absent new housing development or housing turnover, families age in place and the number of school-aged children eventually declines. Turnover in ownership does not happen overnight, however, and slow turnover may happen for several years at varying rates.

## Methods

In order to generate school enrollment projections, we rely on a commonly used demographic technique called the “cohort survival 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 future enrollment. In order to project incoming kindergarten students, we gather data on births from the Wisconsin Department of Health and Family Services and assume that a certain percentage of the children born to mothers residing in the school district area will enroll as kindergarteners five to six years later. Finally, we customize projections to best fit an individual district’s needs by adjusting the basic model based on information about birth trends, recent housing development, economic changes, and/or population projections.

### Grade Progression Ratios

Grade progression ratios are used to measure district enrollment changes, 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 in enrollment, and we use these ratios as the rates of transfer mentioned above to inform projections of future students.

Table 8 shows the grade progression ratios for the Germantown School District. 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 8**  
Grade Progression Ratios  
Germantown School District

YEAR CHANGES	B:K	K:1	1:2	2:3	3:4	4:5	5:6	6:7	7:8	8:9	9:10	10:11	11:12
00-01/01-02	0.560	1.022	0.979	1.030	1.030	1.031	1.040	1.004	1.017	1.200	1.009	0.997	1.007
01-02/02-03	0.609	1.047	1.004	1.013	1.018	1.015	1.037	1.007	1.046	1.120	0.978	1.003	0.991
02-03/03-04	0.619	1.060	1.045	1.018	1.068	1.018	1.004	1.039	1.000	1.128	1.009	1.010	1.012
03-04/04-05	0.552	1.050	0.984	1.052	1.007	1.000	1.014	1.036	1.021	1.223	0.997	0.988	1.006
04-05/05-06	0.655	1.145	1.087	1.025	1.045	1.035	1.060	1.034	1.007	1.189	0.989	1.024	0.969
05-06/06-07	0.735	1.052	1.008	1.040	1.008	1.012	1.058	1.056	1.007	1.307	1.011	0.963	0.968
06-07/07-08	0.655	1.059	1.011	1.059	1.038	1.020	1.082	1.035	0.982	1.168	0.976	0.978	0.973
07-08/08-09	0.697	1.020	1.035	1.008	1.044	0.997	1.051	1.043	1.006	1.232	1.003	0.962	0.966
08-09/09-10	0.603	1.035	0.957	1.010	1.015	1.011	1.044	1.015	1.000	1.173	0.976	1.008	0.994
<b>Baseline</b>	<b>0.640</b>	<b>1.043</b>	<b>1.009</b>	<b>1.024</b>	<b>1.026</b>	<b>1.015</b>	<b>1.043</b>	<b>1.030</b>	<b>1.008</b>	<b>1.188</b>	<b>0.994</b>	<b>0.997</b>	<b>0.987</b>
<b>5 Year Trend</b>	<b>0.669</b>	<b>1.062</b>	<b>1.020</b>	<b>1.028</b>	<b>1.030</b>	<b>1.015</b>	<b>1.059</b>	<b>1.037</b>	<b>1.000</b>	<b>1.214</b>	<b>0.991</b>	<b>0.987</b>	<b>0.974</b>
<b>2 Year "Trend"</b>	<b>0.650</b>	<b>1.027</b>	<b>0.996</b>	<b>1.009</b>	<b>1.030</b>	<b>1.004</b>	<b>1.047</b>	<b>1.029</b>	<b>1.003</b>	<b>1.203</b>	<b>0.990</b>	<b>0.985</b>	<b>0.980</b>

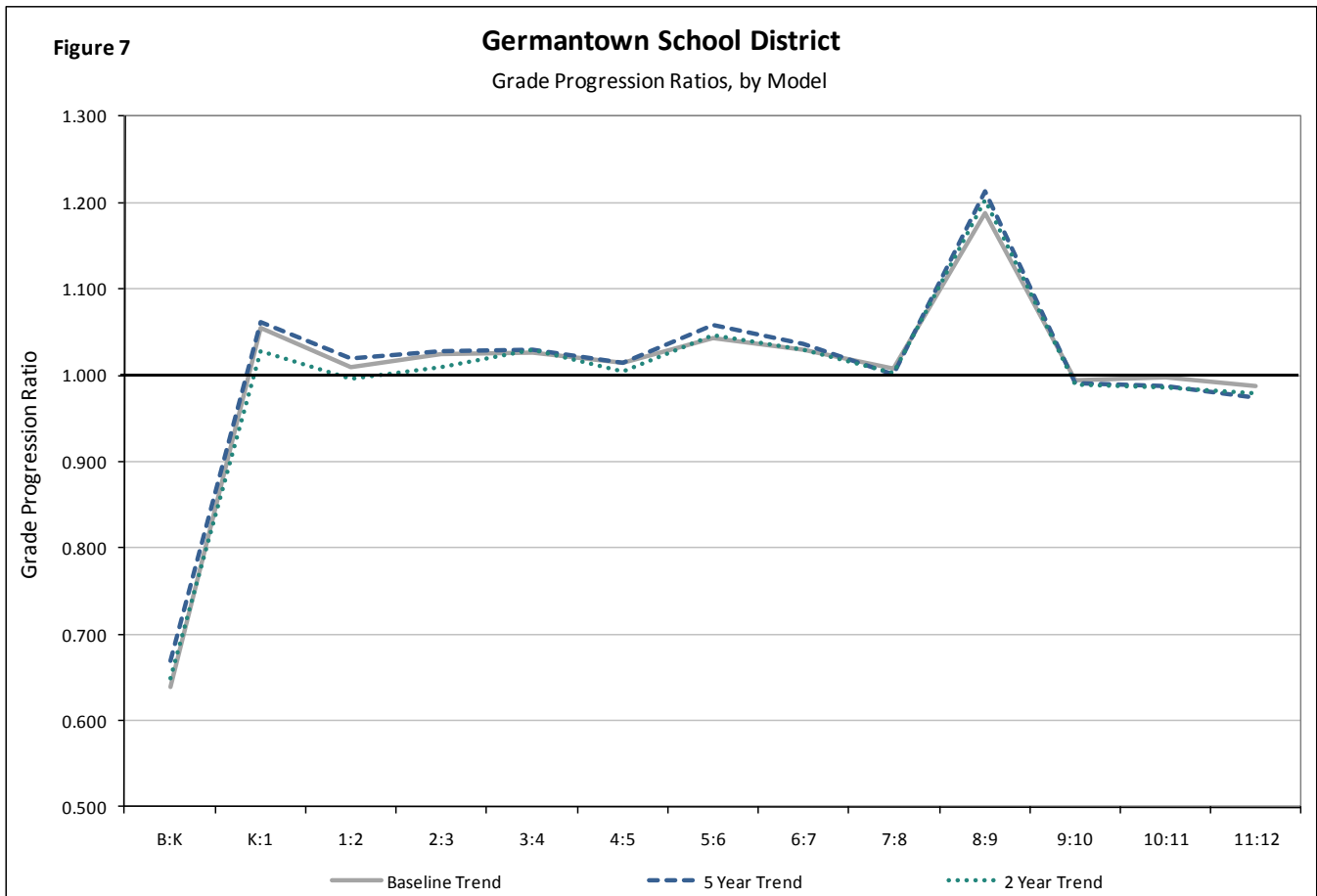
\*Shaded progression ratios are excluded from the Baseline Average



The grade progression ratios can be interpreted in the following manner. The Baseline ratio for K:1 is 1.043. This means that in the Germantown School District, the first grade is on average 4.3% larger each year than the kindergarten class was the previous year (the result of transfers from other schools and in-migration into the district). The B:K (birth to kindergarten) Baseline ratio of 0.640 indicates that on average, approximately 64% of the births in the Village of Germantown, Village of Richfield, and Towns of Germantown and Jackson from five years previous enroll in kindergarten in the Germantown School District. Outliers (ratios outside of one standard deviation of the mean) are not included in the calculation of the Baseline average ratios.

In order to examine future enrollment under different growth assumptions, we generate three sets of grade progression ratios that correspond to the different projection models shown later in this report. In addition to the Baseline ratios (averages 10 years of data), we examine rates of transfer in the last 5 years and the last 2 years, effectively weighing enrollment change patterns from different time periods more heavily than the Baseline. Any significant deviations from the rates of in- and out-migration in the district area will have a corresponding effect on enrollment. These additional models allow us to examine alternative outcomes compared to the overall trends of the Baseline model. Figure 7 shows the differences between these three sets of grade progression ratios.





Looking at the Last 2 Year “Trend” ratios, the K:1 ratio (1.027) shows that in the last two years as students advanced from Kindergarten to first grade, the school district gained an average of 2.7% of students between each year. Several of the grade progression ratios in the past two years have been lower than previous years, especially in the early grades (K:1, 1:2, 2:3). This suggests that the district has experienced less in-migration of young school aged children and/or transfers into the school district from private schools or open enrollment and/or lost more children to out-migration or private school in the last two years than had previously been the case.



## School Enrollment Projections, 2010-2019

When considering all of the projections provided in this report for decision-making, it is important to recognize that population projections of all types, including school enrollment projections, are more accurate in the immediate future than they are farther into the future. This is especially true for grades K-5, because the students who will enter kindergarten after 2014 have not yet been born. Overall, our projections are more reliable over the next five years (up to the 2014/15 school year) than they are in the latter half of the next decade.

### Baseline Projection

The Baseline model (Table 9) projects enrollments using the assumption that average trends year to year, grade to grade, will continue into the future. This model assumes that long term (past ten years) trends in enrollment, migration, and births will be representative of future trends in the district.

This model projects that K-12 enrollment will remain steady over the next three years or so, then varies in enrollment numbers, showing overall decline by 2019-20. In total, over the next ten years, the model projects that K-12 enrollment will decline slightly, decreasing by 3% at the end of the ten year period.

**TABLE 9**  
**Baseline Projection Model**  
**Germantown School District**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	228	237	234	229	234	238	238	238	239	239
1	221	238	247	244	239	245	248	248	249	249
2	271	223	240	250	246	241	247	251	251	251
3	251	277	229	246	256	252	247	253	257	257
4	310	257	284	235	252	262	259	253	259	263
5	276	315	261	289	238	256	266	263	257	263
6	297	288	328	273	301	248	267	278	274	268
7	318	306	297	338	281	310	256	275	286	282
8	275	321	309	299	341	283	313	258	278	289
9	344	327	381	367	355	405	336	371	306	330
10	377	342	325	379	365	353	402	334	369	305
11	331	376	342	324	378	364	352	401	334	368
12	354	327	371	337	320	373	359	348	396	329
<b>TOTAL</b>	<b>3,854</b>	<b>3,835</b>	<b>3,848</b>	<b>3,809</b>	<b>3,806</b>	<b>3,831</b>	<b>3,791</b>	<b>3,772</b>	<b>3,755</b>	<b>3,693</b>
K-12	3,854	3,835	3,848	3,809	3,806	3,831	3,791	3,772	3,755	3,693
K-5	1,557	1,547	1,496	1,492	1,466	1,494	1,505	1,506	1,511	1,522
6-8	891	915	934	910	923	842	836	811	838	839
9-12	1,407	1,372	1,419	1,407	1,418	1,495	1,450	1,455	1,405	1,332



5 Year Trend Projection

The 5 Year Trend model (Table 10) uses the grade progression ratios from the last five years and recent trends in the number of births in the school district area to project what future enrollments would look like if more recent patterns were representative of future trends. With recent migration rates and birth trends weighted more heavily, K-12 enrollment in the Germantown School District is projected to increase over the next decade, with a peak in enrollment in the 2015/16 school year, and then decline to current enrollment levels.

Between 2010 and 2015, the model projects K-12 enrollment will increase by 105 students (a 2.7% increase). Between 2015 and 2019, enrollment is projected to drop back down to 3,881 students, an overall increase of only 1 student more than current enrollment.

**TABLE 10**  
**5 Year Trend Projection Model**  
**Germantown School District**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	239	248	245	239	238	237	236	234	232	230
1	225	253	263	260	254	253	252	250	248	246
2	273	230	258	268	265	259	258	257	255	253
3	252	281	236	266	276	272	266	265	264	262
4	311	260	289	243	274	284	281	274	273	272
5	276	316	263	294	247	278	289	285	279	278
6	302	292	334	279	311	261	294	306	302	295
7	320	313	303	347	289	322	271	305	317	313
8	273	321	313	303	347	289	323	271	305	317
9	352	332	389	380	368	421	351	392	329	370
10	376	349	329	386	377	365	417	348	388	326
11	328	371	344	324	381	372	360	412	343	383
12	350	319	361	335	316	371	362	351	401	335
<b>TOTAL</b>	<b>3,876</b>	<b>3,883</b>	<b>3,929</b>	<b>3,924</b>	<b>3,942</b>	<b>3,985</b>	<b>3,959</b>	<b>3,949</b>	<b>3,937</b>	<b>3,881</b>
K-12	3,876	3,883	3,929	3,924	3,942	3,985	3,959	3,949	3,937	3,881
K-5	1,576	1,587	1,555	1,570	1,554	1,584	1,581	1,566	1,552	1,542
6-8	895	926	950	929	947	873	888	881	923	924
9-12	1,405	1,370	1,423	1,425	1,441	1,528	1,490	1,502	1,462	1,414



## 2 Year "Trend" Projection

The 2 Year "Trend" model (Table 11) uses the progression ratios from the last two years to project what future enrollments would look like if even more recent patterns were representative of future trends. For the Last 2 Year "Trend," K-12 enrollment is projected to decrease from 3,880 students in 2009 to 3,509 students in 2019. This is a decrease of 371 students (9.56%) over the next decade.

This model projects a greater decrease in students than the other models using birth data because of the lower grade progression ratios (rates of migration and transfers into the district) that the district has experienced in the last two years. This model should be interpreted with some caution—if these lower grade progression ratios in the school district continue and lower levels of in-migration continue then this model should be appropriate. Still, it is important to note that ratios can be variable year to year and very short term trends (2 years) do not often continue into the future, unless there has been a substantive change in the district that has impacted migration levels *and* this change is expected to continue to affect migration into the future. At the same time, these grade progression ratios coincide with economic changes, especially within the new-construction housing market, and could reflect trends in the district until the housing market begins to turn around.

**TABLE 11**  
**2 Year "Trend" Projection Model**  
**Germantown School District**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	232	241	238	232	232	231	229	227	225	224
1	218	238	247	244	239	238	237	235	233	232
2	267	217	237	246	243	238	237	236	234	232
3	247	269	219	239	249	245	240	239	238	236
4	311	254	277	225	246	256	253	247	246	245
5	273	312	255	278	226	247	257	253	248	247
6	298	286	327	268	291	237	259	269	265	260
7	318	307	294	336	275	300	244	266	277	273
8	274	319	308	295	337	276	301	244	267	278
9	349	329	384	371	355	406	332	362	294	321
10	375	345	326	380	367	351	402	329	358	291
11	327	370	340	321	374	361	346	396	324	353
12	352	321	362	333	315	367	354	339	388	317
<b>TOTAL</b>	<b>3,841</b>	<b>3,808</b>	<b>3,814</b>	<b>3,769</b>	<b>3,749</b>	<b>3,752</b>	<b>3,689</b>	<b>3,643</b>	<b>3,598</b>	<b>3,509</b>
K-12	3,841	3,808	3,814	3,769	3,749	3,752	3,689	3,643	3,598	3,509
K-5	1,548	1,532	1,474	1,466	1,434	1,455	1,452	1,438	1,425	1,416
6-8	890	912	929	899	904	813	803	780	809	810
9-12	1,403	1,365	1,412	1,405	1,410	1,485	1,434	1,425	1,363	1,282



## Kindergarten Trend Projection

For this method we perform a trend analysis to project the number of future kindergarten students, rather than relying upon the traditional birth to kindergarten (B:K) progression ratio. Then, the 5 Year Trend progression ratios are used for projecting the other grades (1-12) in the district. In other words, this model assumes that the number of new kindergarteners each year over the next decade will continue to follow a trend similar to the trend in kindergarten enrollment change over the last seven years, regardless of the number of observed births in the school district area.

According to this hybrid projection method (Table 12), K-12 enrollment would decrease only slightly over the next decade. A good way to think about the projections provided by this model is that if the number of new kindergarteners continues near the current level of kindergarten enrollment *and* if patterns of transfers in and out of the district continue as they have over the past five years, then the Kindergarten Regression model should provide a good prediction of future enrollment.

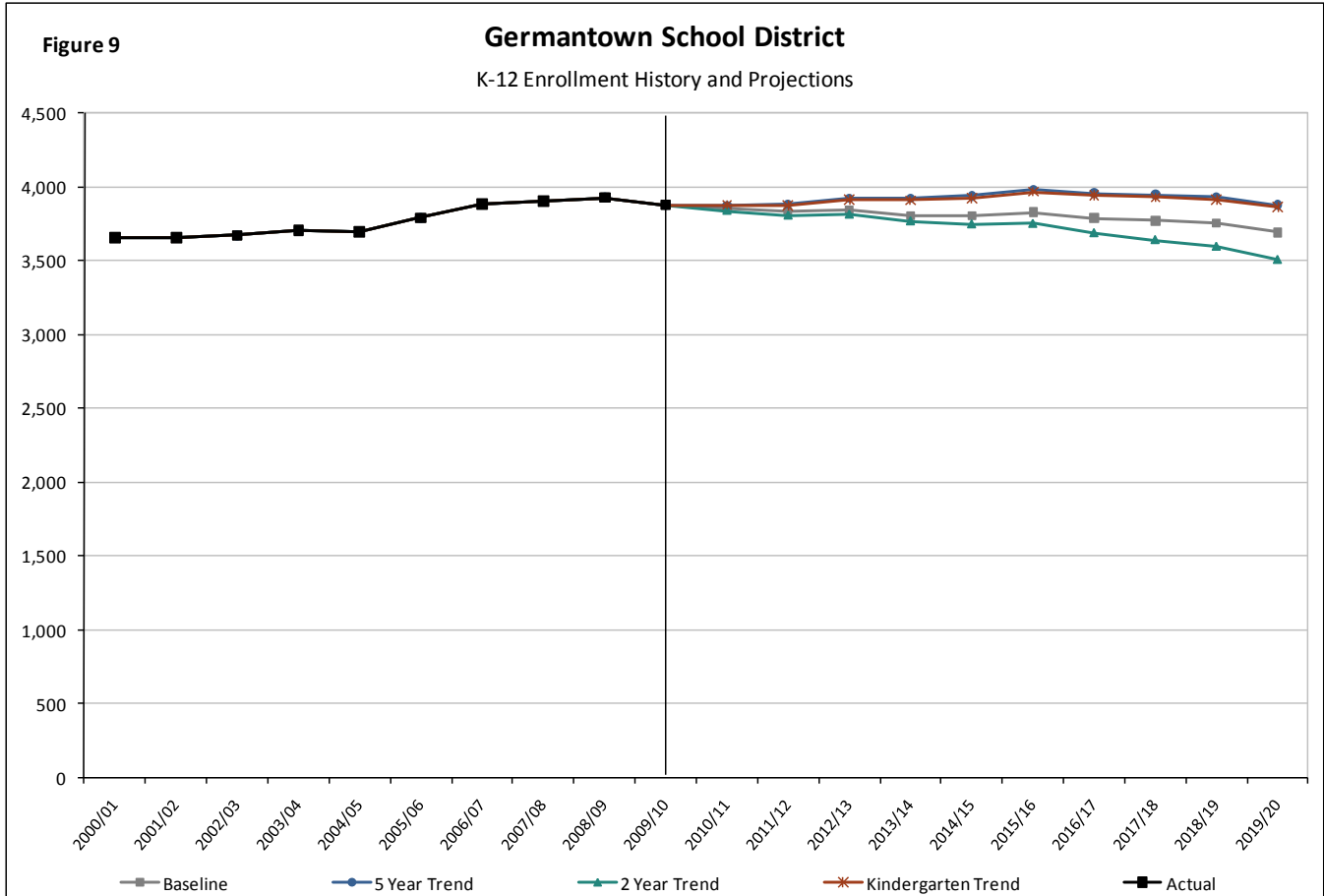
**TABLE 12**  
**Kindergarten Trend Projection Model**  
**Germantown School District**

GRADE	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	241	240	239	238	237	236	235	233	232	231
1	225	256	255	254	253	252	250	249	248	247
2	273	230	261	260	259	258	257	255	254	253
3	252	281	236	269	268	266	265	264	262	261
4	311	260	289	243	277	276	274	273	272	270
5	276	316	263	294	247	281	280	278	277	276
6	302	292	334	279	311	261	298	296	295	293
7	320	313	303	347	289	322	271	309	307	306
8	273	321	313	303	347	289	323	271	309	307
9	352	332	389	380	368	421	351	392	329	375
10	376	349	329	386	377	365	417	348	388	326
11	328	371	344	324	381	372	360	412	343	383
12	350	319	361	335	316	371	362	351	401	335
<b>TOTAL</b>	<b>3,879</b>	<b>3,879</b>	<b>3,918</b>	<b>3,912</b>	<b>3,928</b>	<b>3,969</b>	<b>3,942</b>	<b>3,931</b>	<b>3,918</b>	<b>3,863</b>
K-12	3,879	3,879	3,918	3,912	3,928	3,969	3,942	3,931	3,918	3,863
K-5	1,579	1,583	1,545	1,558	1,540	1,568	1,561	1,553	1,546	1,538
6-8	895	926	950	929	947	873	891	876	911	906
9-12	1,405	1,370	1,423	1,425	1,441	1,528	1,490	1,502	1,462	1,419



## Comparison of Projection Models

Figures 9-12 and Tables 13-16 compare the four enrollment projection models broken down by total K-12 district enrollment and by grade groupings.

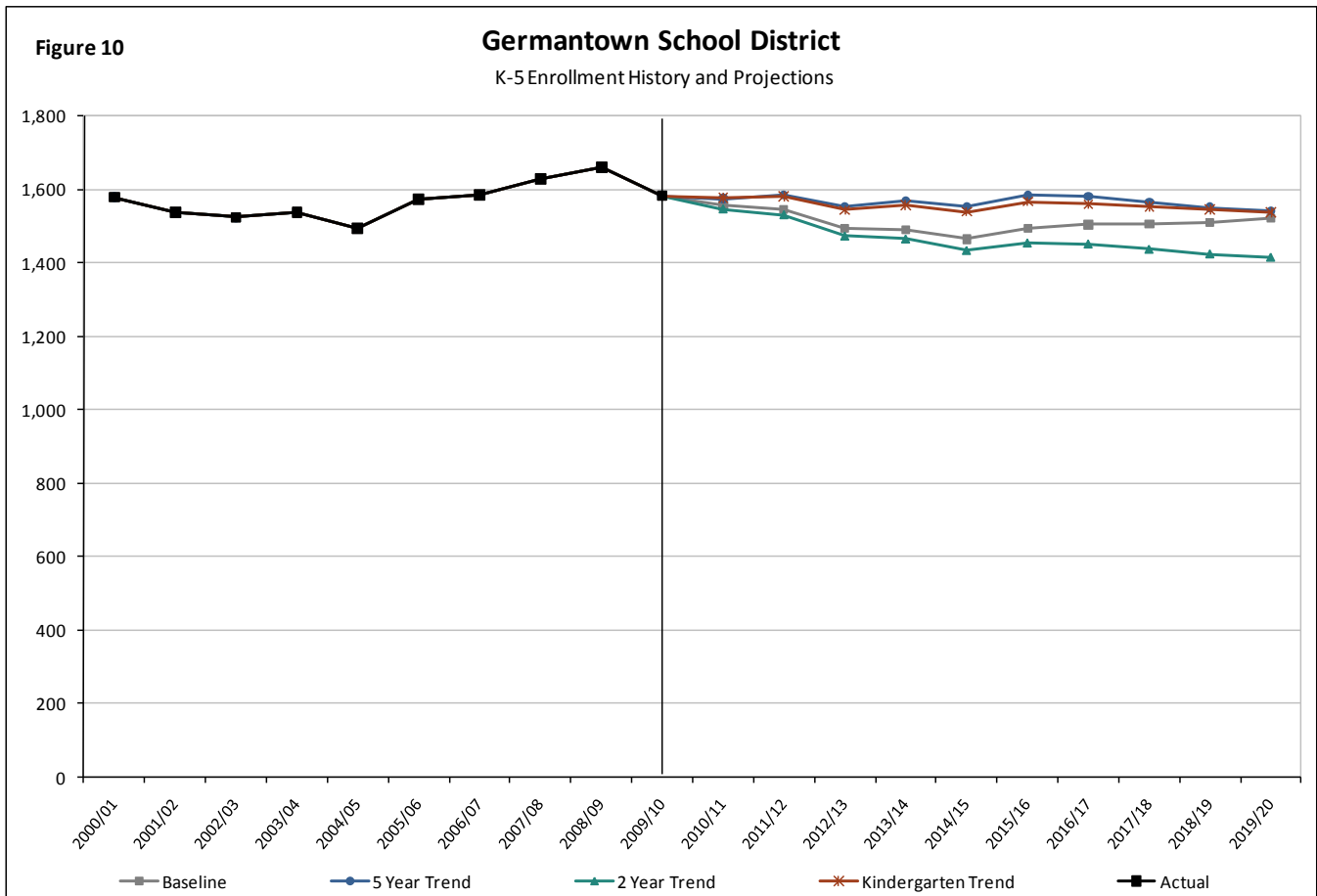


**TABLE 13**  
**Summary of K-12 Enrollment Projections**  
**Germantown School District**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	3,854	3,835	3,848	3,809	3,806	3,831	3,791	3,772	3,755	3,693
5 Year Trend	3,876	3,883	3,929	3,924	3,942	3,985	3,959	3,949	3,937	3,881
2 Year "Trend"	3,841	3,808	3,814	3,769	3,749	3,752	3,689	3,643	3,598	3,509
Kindergarten Trend	3,879	3,879	3,918	3,912	3,928	3,969	3,942	3,931	3,918	3,863

Five years into the future, K-12 student enrollment projections range from a low of 3,749 (2 Year "Trend" model) to a high of 3,942 (5 Year Trend model). By the end of the decade the 2 Year Trend model shows the most decline of all the models and the 5 Year Trend model shows the most increase in enrollment. Enrollment projections for any model ten years out are within a 379 student range.



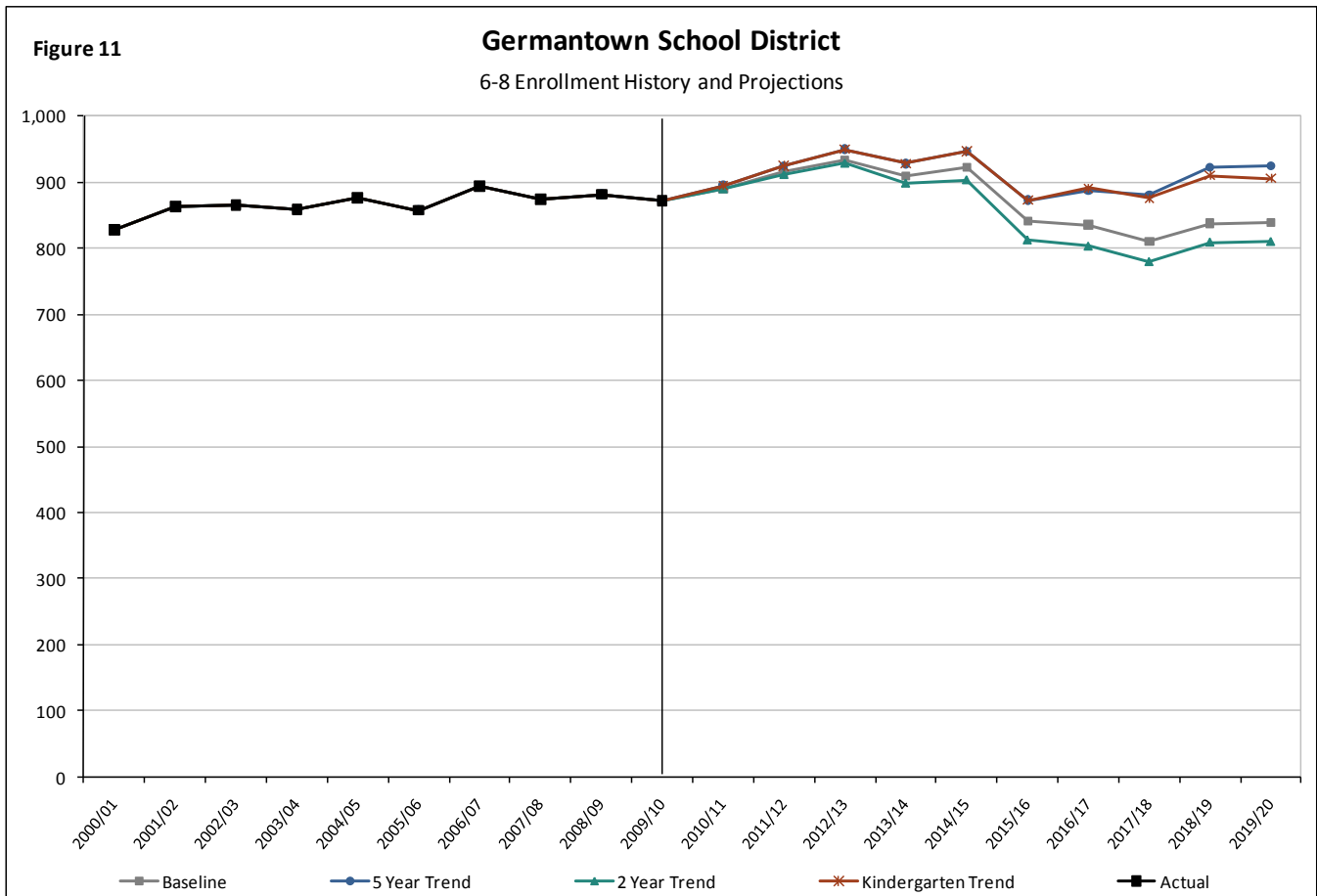


**TABLE 14**  
**Summary of K-5 Enrollment Projections**  
**Germantown School District**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	1,557	1,547	1,496	1,492	1,466	1,494	1,505	1,506	1,511	1,522
5 Year Trend	1,576	1,587	1,555	1,570	1,554	1,584	1,581	1,566	1,552	1,542
2 Year "Trend"	1,548	1,532	1,474	1,466	1,434	1,455	1,452	1,438	1,425	1,416
Kindergarten Trend	1,579	1,583	1,545	1,558	1,540	1,568	1,561	1,553	1,546	1,538

For grades K-5 all of the projection models show some level of decline in student enrollments over the next decade. K-5 Enrollment projections at the end of the next decade fall within a range of 126 students, with the 2 Year "Trend" model projecting the lowest enrollment and the 5 Year Trend model projecting the highest K-5 enrollment.



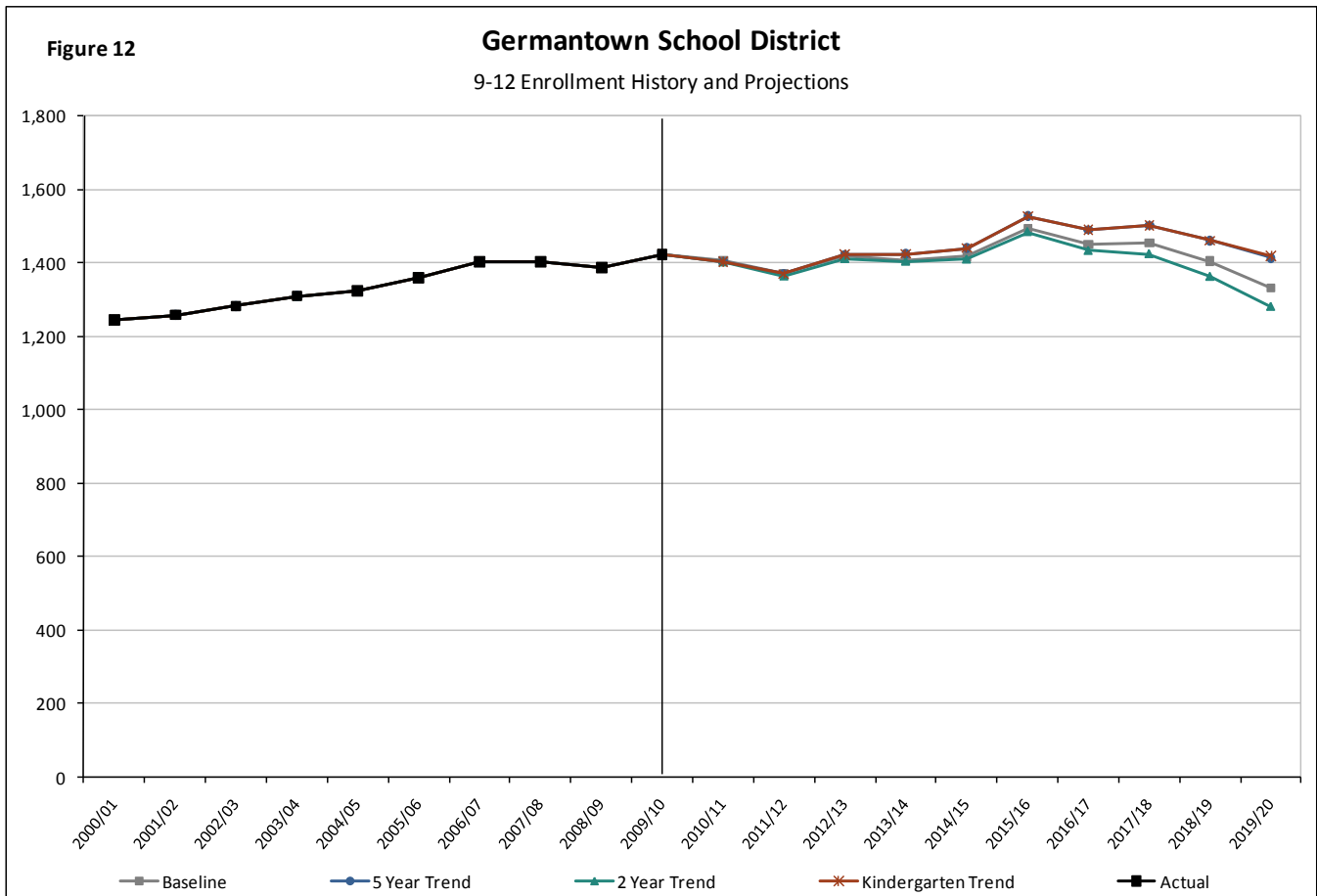


**TABLE 15**  
**Summary of 6-8 Enrollment Projections**  
**Germantown School District**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	891	915	934	910	923	842	836	811	838	839
5 Year Trend	895	926	950	929	947	873	888	881	923	924
2 Year "Trend"	890	912	929	899	904	813	803	780	809	810
Kindergarten Trend	895	926	950	929	947	873	891	876	911	906

At the middle school grade levels, the 5 Year Trend and Kindergarten Regression models show slight increases in enrollment over the next decade, while the Baseline model and the 2 Year Trend model show some decline by 2019/20. Over the next four years all models show increases in enrollment, as current students age through into the middle school grade levels.





**TABLE 16**  
**Summary of 9-12 Enrollment Projections**  
**Germantown School District**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	1,407	1,372	1,419	1,407	1,418	1,495	1,450	1,455	1,405	1,332
5 Year Trend	1,405	1,370	1,423	1,425	1,441	1,528	1,490	1,502	1,462	1,414
2 Year "Trend"	1,403	1,365	1,412	1,405	1,410	1,485	1,434	1,425	1,363	1,282
Kindergarten Trend	1,405	1,370	1,423	1,425	1,441	1,528	1,490	1,502	1,462	1,419

All of the models project stable or decreasing enrollment by 2019/20. Enrollment projections for five years out fall within a range of 31 students (1,410 to 1,441 students). By 2019/20, enrollment projections vary from a low of 1,282 students to a high of 1,419 students.

## Early Childhood Enrollment

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Early childhood enrollment has varied from 16-30 students over the past decade. As early childhood enrollment is voluntary and not mandatory, and a relatively small (and varying) proportion of children within the district area attend early childhood, these students are not included within the main projections presented above, as these challenges make accurate projections using available data difficult, at best.

Early childhood has averaged approximately 21 students each year over the past decade. Within the last five years, early childhood enrollment has averaged approximately 23 students.

**TABLE 17**  
**Early Childhood Enrollment**  
**Germantown School District**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
EC	16	18	15	21	26	27	17	18	21	30



## Conclusions

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These district-level enrollment projections are based on models that incorporate recent past and current demographic information as well as the district's own enrollment data and assumptions about future housing development in the school district area. 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 highly 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 is that birth trends, in-migration of pre-school age children, and transfers into the district are more difficult to predict and therefore this makes meaningful incorporation into enrollment projections a challenge. As with nearly all types of forecasts, accuracy in these enrollment projections decreases over time.

In sum, the information provided in this school enrollment projection report points to steady or decreasing enrollment (with some fluctuation) in the Germantown School District over the next decade. The Last Two Year "Trend" model projects substantially lower enrollment than the other models. This is because it is based upon relatively low grade progression ratios experienced in the district in the last two years. If these lower levels of in-migration and some out-migration are not continued into the future, then this model will not be valid. If these lower levels become a new trend in the district and are continued, then the Last Two Year "Trend" model would be an important model to consider.

Given that the projections found in this report incorporate the consequences of migration to and from the district area, any significant and sustained interruption of current or recent past migration patterns will erode these models' accuracy from the initiation point of the new pattern. The various projection models provide a realistic range of migration and transfer effects on the school district. Enrollment growth should be closely monitored for the next few years, and compared with these projections, to determine the trajectory of future enrollment. This type of monitoring program might help the district to determine which of the models seems to be the most realistic to use for planning purposes.



# Individual Schools in the Germantown School District

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The following pages summarize projections made for the individual elementary schools within the Germantown School District, including: Amy Belle Elementary, County Line Elementary, MacArthur Elementary, and Rockfield Elementary. When considering these projections, it is important to remember that projections made for smaller units of geography, such as elementary attendance areas, are less reliable than those projections made for the district as a whole. Keeping this in mind, these projections do serve as a reasonable guide for projecting the future trend and magnitude of enrollment in the individual schools of the Germantown School District. It is important to note that due to boundary changes between the 2003/04 and 2004/05 school years, some grade progression ratios, especially previous years of B:K enrollment, are excluded from these projections.

Additionally, projections are created based on the trends of each individual elementary school, instead of dividing the K-12 projected enrollment among the elementary schools. As a result, the summed projections will be close to the projected enrollment at the district level, they will not match exactly.



# Amy Belle Elementary

## Enrollment History

**TABLE 18**  
**Student Enrollment**  
**Amy Belle Elementary**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
K	61	41	54	38	52	67	72	58	70	60
1	48	64	46	55	58	65	64	80	60	77
2	44	48	65	50	61	60	61	67	85	58
3	59	47	49	65	57	62	61	66	70	88
4	52	62	48	56	75	61	66	68	69	73
5	78	55	66	49	69	78	61	67	66	68
<b>TOTAL</b>	<b>342</b>	<b>317</b>	<b>328</b>	<b>313</b>	<b>372</b>	<b>393</b>	<b>385</b>	<b>406</b>	<b>420</b>	<b>424</b>

**TABLE 19**  
**Student Enrollment Changes**  
**Amy Belle Elementary**

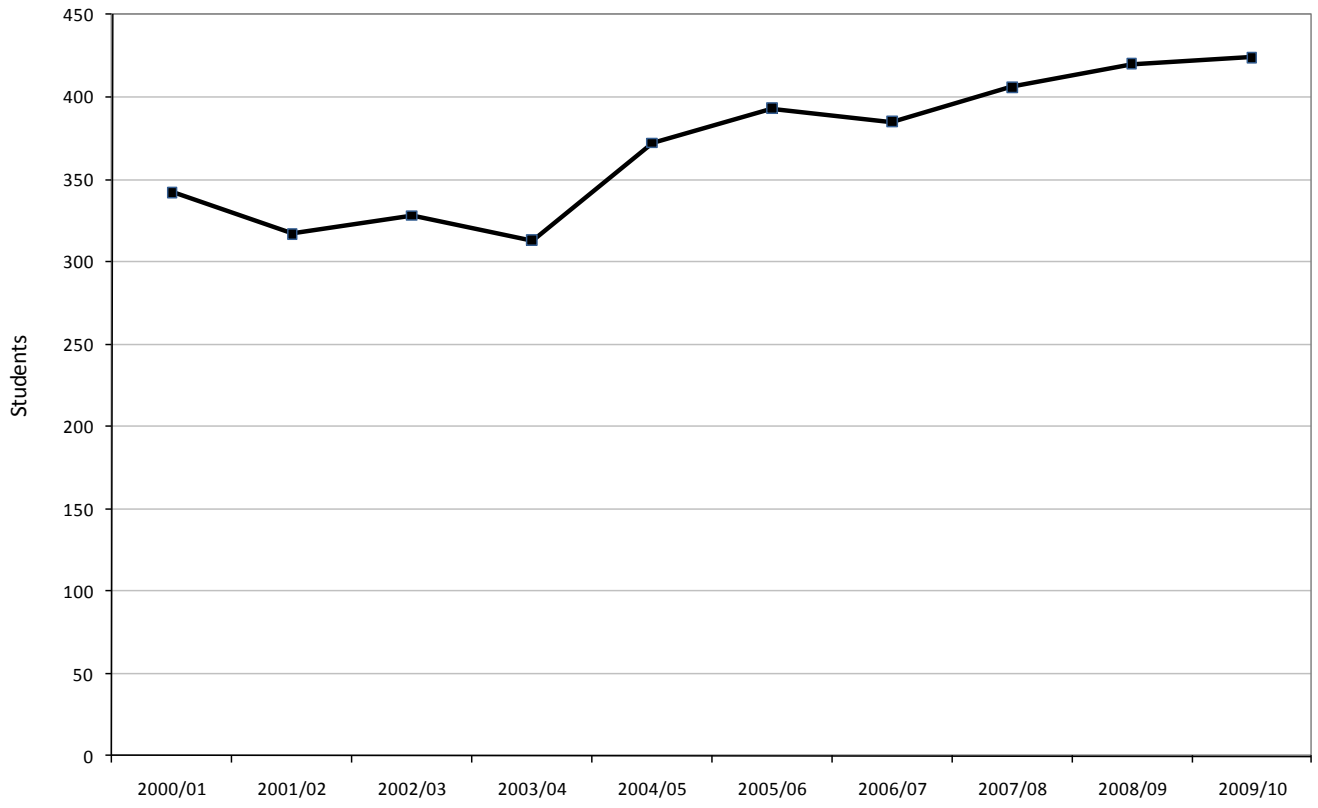
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09
K	-1	-9	-7	-1.6	-14.8	-10.4	-0.2	-3.7	-2.6
1	29	10	12	60.4	20.8	18.5	6.7	5.2	4.6
2	14	17	-2	31.8	38.6	-3.3	3.5	9.7	-0.8
3	29	-2	26	49.2	-3.4	41.9	5.5	-0.8	10.5
4	21	23	12	40.4	44.2	19.7	4.5	11.1	4.9
5	-10	-9	-10	-12.8	-11.5	-12.8	-1.4	-2.9	-3.2
<b>TOTAL</b>	<b>82</b>	<b>30</b>	<b>31</b>	<b>24.0</b>	<b>8.8</b>	<b>7.9</b>	<b>2.7</b>	<b>2.2</b>	<b>2.0</b>

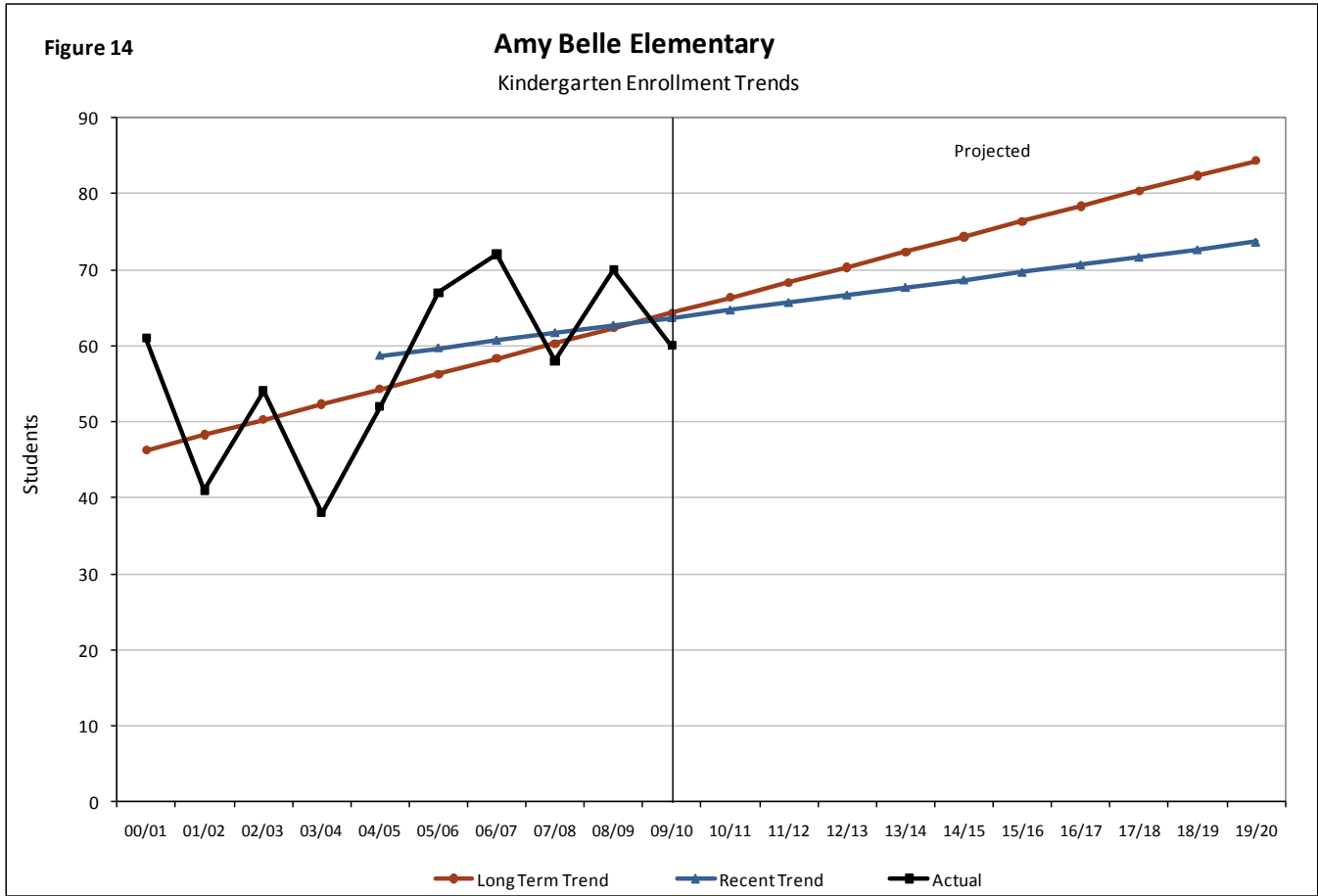


Figure 13

### Amy Belle Elementary

K-5 Student Enrollment





Grade Progression Ratios

For Amy Belle Elementary, lower B:K grade progression ratios that occurred before the elementary school boundary change in 2004/05 are excluded from the Baseline B:K ratio. This is a result of the boundary change having a significant impact on the percentage of Kindergarteners within the district that attend Amy Belle Elementary.

**TABLE 20**  
**Grade Progression Ratios**  
**Amy Belle Elementary**

<b>YEAR CHANGES</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>
00-01/01-02	0.109	1.049	1.000	1.068	1.051	1.058
01-02/02-03	0.141	1.122	1.016	1.021	1.021	1.065
02-03/03-04	0.098	1.019	1.087	1.000	1.143	1.021
03-04/04-05	0.130	1.526	1.109	1.140	1.154	1.232
04-05/05-06	0.176	1.250	1.034	1.016	1.070	1.040
05-06/06-07	0.194	0.955	0.938	1.017	1.065	1.000
06-07/07-08	0.151	1.111	1.047	1.082	1.115	1.015
07-08/08-09	0.188	1.034	1.063	1.045	1.045	0.971
08-09/09-10	0.171	1.100	0.967	1.035	1.043	0.986
<b>Baseline</b>	<b>0.169</b>	<b>1.096</b>	<b>1.030</b>	<b>1.036</b>	<b>1.065</b>	<b>1.002</b>
<b>5 Year Trend</b>	<b>0.176</b>	<b>1.090</b>	<b>1.010</b>	<b>1.039</b>	<b>1.068</b>	<b>1.002</b>
<b>2 Year "Trend"</b>	<b>0.179</b>	<b>1.067</b>	<b>1.015</b>	<b>1.040</b>	<b>1.044</b>	<b>0.978</b>

\*Shaded progression ratios are excluded from the Baseline



**TABLE 21**  
**Baseline Projection Model**  
**Amy Belle Elementary**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	60	63	62	60	62	63	63	63	63	63
1	66	66	69	68	66	68	69	69	69	69
2	79	68	68	71	70	68	70	71	71	71
3	60	82	70	70	73	72	71	72	74	74
4	94	64	87	75	75	78	77	75	77	78
5	73	94	64	88	75	75	78	77	75	77
<b>TOTAL</b>	<b>432</b>	<b>436</b>	<b>420</b>	<b>432</b>	<b>421</b>	<b>425</b>	<b>428</b>	<b>428</b>	<b>429</b>	<b>433</b>

**TABLE 22**  
**5 Year Trend Projection Model**  
**Amy Belle Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	63	65	64	63	63	62	62	62	61	61
1	65	68	71	70	69	68	68	68	67	67
2	78	66	69	72	71	69	69	69	68	68
3	60	81	69	72	75	74	72	72	71	71
4	94	64	86	73	77	80	79	77	77	76
5	73	94	64	86	73	77	80	79	77	77
<b>TOTAL</b>	<b>433</b>	<b>439</b>	<b>424</b>	<b>436</b>	<b>427</b>	<b>430</b>	<b>429</b>	<b>425</b>	<b>421</b>	<b>419</b>



**TABLE 23**  
**2 Year "Trend" Projection Model**  
**Amy Belle Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	64	67	66	64	64	64	63	63	62	62
1	64	68	71	70	69	68	68	67	67	66
2	78	65	69	72	71	70	69	69	68	68
3	60	81	68	72	75	74	72	72	72	71
4	92	63	85	71	75	78	77	75	75	75
5	71	90	62	83	69	74	77	75	74	74
<b>TOTAL</b>	<b>430</b>	<b>434</b>	<b>420</b>	<b>432</b>	<b>423</b>	<b>427</b>	<b>426</b>	<b>422</b>	<b>418</b>	<b>416</b>

**TABLE 24**  
**Kindergarten Trend Projection Model**  
**Amy Belle Elementary**

GRADE	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	65	66	67	68	69	70	71	72	73	74
1	65	70	72	73	74	75	76	77	78	79
2	78	66	71	72	73	74	76	77	78	79
3	60	81	69	74	75	76	77	79	80	81
4	94	64	86	73	79	80	81	83	84	85
5	73	94	64	86	73	79	80	82	83	84
<b>TOTAL</b>	<b>435</b>	<b>441</b>	<b>429</b>	<b>446</b>	<b>443</b>	<b>455</b>	<b>461</b>	<b>468</b>	<b>475</b>	<b>482</b>

Figure 15

### Amy Belle Elementary

K-5 Student Enrollment and Projections

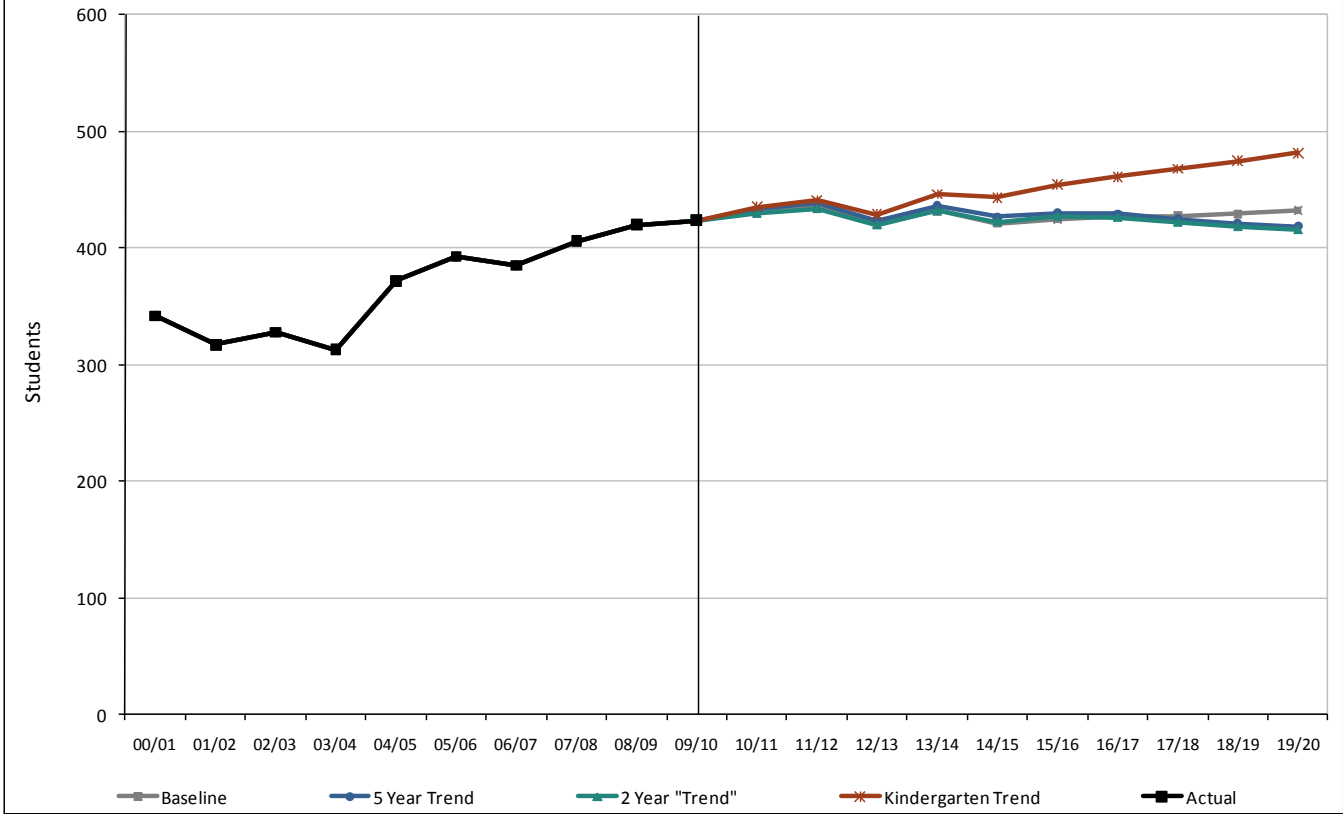


TABLE 25

#### Summary of K-5 Enrollment Projections Amy Belle Elementary

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	432	436	420	432	421	425	428	428	429	433
5 Year Trend	433	439	424	436	427	430	429	425	421	419
2 Year "Trend"	430	434	420	432	423	427	426	422	418	416
Kindergarten Trend	435	441	429	446	443	455	461	468	475	482



# County Line Elementary

## Enrollment History

**TABLE 26**  
**Student Enrollment**  
**County Line Elementary**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
K	90	61	82	92	86	76	91	78	81	64
1	85	95	60	87	100	92	89	104	86	86
2	95	80	97	67	84	106	89	89	101	85
3	85	96	77	101	76	86	107	90	88	94
4	98	90	95	82	105	79	84	108	92	84
5	88	99	93	98	90	104	80	87	107	95
<b>TOTAL</b>	<b>541</b>	<b>521</b>	<b>504</b>	<b>527</b>	<b>541</b>	<b>543</b>	<b>540</b>	<b>556</b>	<b>555</b>	<b>508</b>

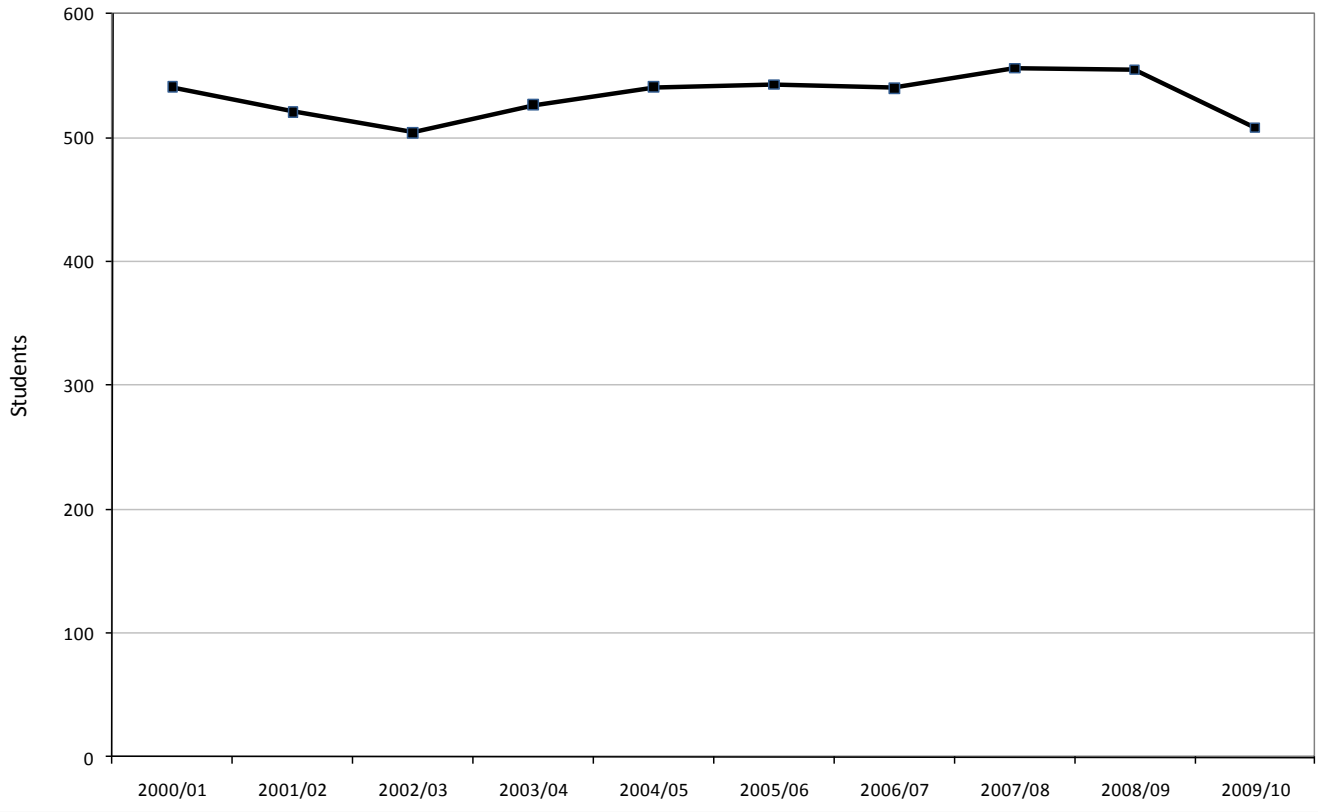
**TABLE 27**  
**Student Enrollment Changes**  
**County Line Elementary**

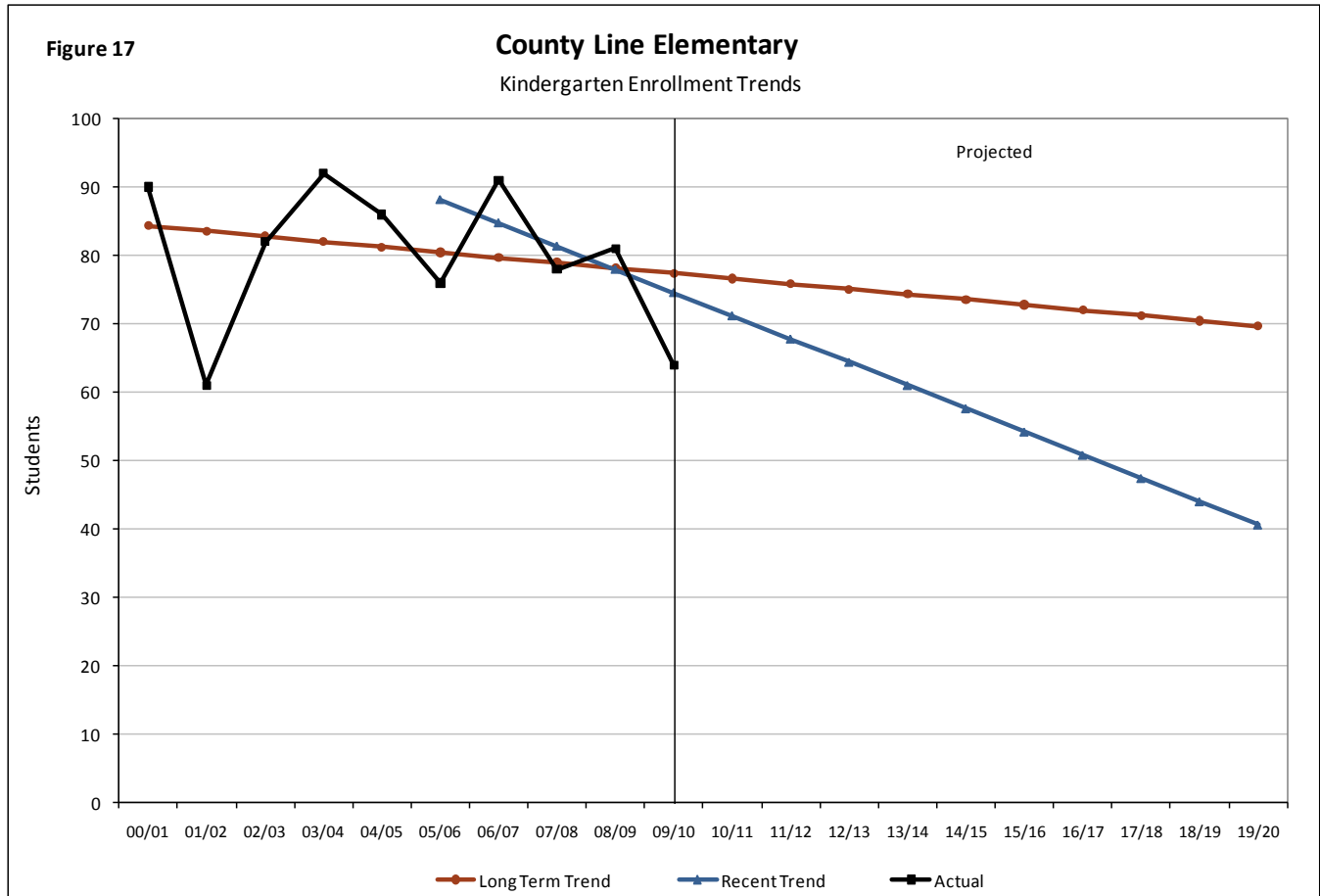
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09
K	-26	-4	-12	-28.9	-4.4	-15.8	-3.2	-1.1	-3.9
1	1	15	-6	1.2	17.6	-6.5	0.1	4.4	-1.6
2	-10	-11	-21	-10.5	-11.6	-19.8	-1.2	-2.9	-5.0
3	9	-9	8	10.6	-10.6	9.3	1.2	-2.6	2.3
4	-14	7	5	-14.3	7.1	6.3	-1.6	1.8	1.6
5	7	2	-9	8.0	2.3	-8.7	0.9	0.6	-2.2
<b>TOTAL</b>	<b>-33</b>	<b>0</b>	<b>-35</b>	<b>-6.1</b>	<b>0.0</b>	<b>-6.4</b>	<b>-0.7</b>	<b>0.0</b>	<b>-1.6</b>



Figure 16

### County Line Elementary K-5 Student Enrollment





\*Note: The Kindergarten Trend model for County Line Elementary school uses the Long Term Trend, not the Recent Trend.

**TABLE 28**  
**Grade Progression Ratios**  
**County Line Elementary**

<b>YEAR CHANGES</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>
00-01/01-02	0.162	1.056	0.941	1.011	1.059	1.010
01-02/02-03	0.214	0.984	1.021	0.963	0.990	1.033
02-03/03-04	0.236	1.055	1.117	1.041	1.065	1.032
03-04/04-05	0.215	1.087	0.971	1.134	1.040	1.098
04-05/05-06	0.199	1.070	1.060	1.024	1.039	0.990
05-06/06-07	0.245	1.171	0.967	1.009	0.977	1.013
06-07/07-08	0.203	1.143	1.000	1.011	1.009	1.036
07-08/08-09	0.218	1.103	0.971	0.989	1.022	0.991
08-09/09-10	0.182	1.062	0.988	0.931	0.955	1.033
<b>Baseline</b>	<b>0.203</b>	<b>1.079</b>	<b>0.997</b>	<b>1.007</b>	<b>1.017</b>	<b>1.017</b>
<b>5 Year Trend</b>	<b>0.210</b>	<b>1.110</b>	<b>0.997</b>	<b>0.993</b>	<b>1.000</b>	<b>1.012</b>
<b>2 Year "Trend"</b>	<b>0.200</b>	<b>1.082</b>	<b>0.980</b>	<b>0.960</b>	<b>0.988</b>	<b>1.012</b>

\*Shaded progression ratios are excluded from the Baseline



**TABLE 29**  
**Baseline Projection Model**  
**County Line Elementary**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	72	75	74	73	74	76	76	76	76	76
1	69	78	81	80	78	80	82	82	82	82
2	86	69	78	81	80	78	80	81	81	81
3	86	86	69	78	81	80	79	81	82	82
4	96	87	88	70	80	83	82	80	82	83
5	85	97	89	89	72	81	84	83	81	83
<b>TOTAL</b>	<b>494</b>	<b>493</b>	<b>479</b>	<b>472</b>	<b>466</b>	<b>478</b>	<b>482</b>	<b>482</b>	<b>484</b>	<b>487</b>

**TABLE 30**  
**5 Year Trend Projection Model**  
**County Line Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	75	78	77	75	75	74	74	73	73	72
1	71	83	86	85	83	83	83	82	81	81
2	86	71	83	86	85	83	83	82	82	81
3	84	85	70	82	85	84	82	82	82	81
4	94	84	85	70	82	85	84	82	82	82
5	85	95	85	86	71	83	86	85	83	83
<b>TOTAL</b>	<b>495</b>	<b>496</b>	<b>486</b>	<b>485</b>	<b>481</b>	<b>493</b>	<b>492</b>	<b>487</b>	<b>483</b>	<b>480</b>

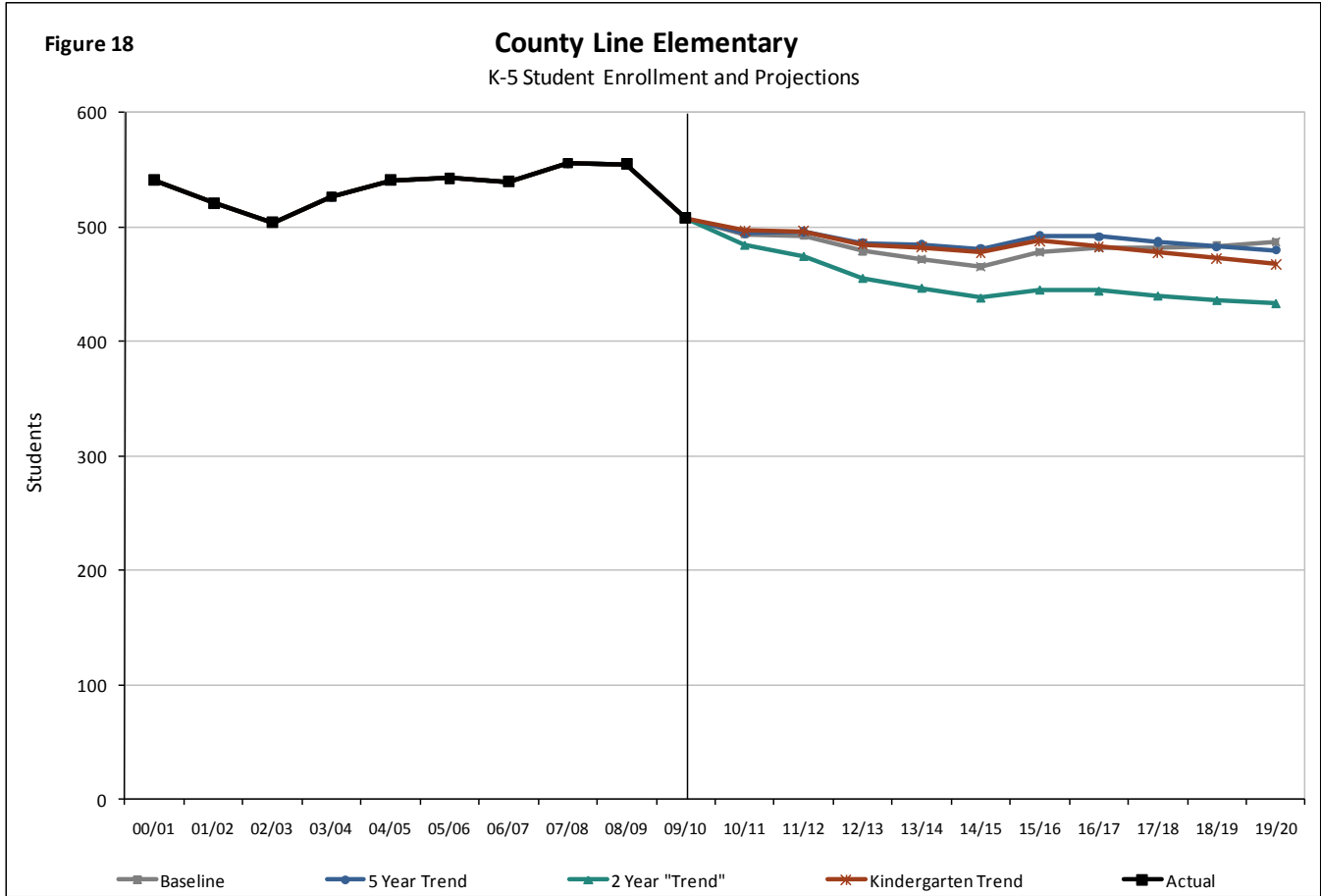


**TABLE 31**  
**2 Year "Trend" Projection Model**  
**County Line Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	71	74	73	72	71	71	70	70	69	69
1	69	77	80	79	77	77	77	76	76	75
2	84	68	76	79	78	76	76	75	75	74
3	82	81	65	73	75	74	73	73	72	72
4	93	81	80	64	72	75	74	72	72	71
5	85	94	82	81	65	73	75	74	73	73
<b>TOTAL</b>	<b>484</b>	<b>475</b>	<b>456</b>	<b>447</b>	<b>438</b>	<b>445</b>	<b>444</b>	<b>440</b>	<b>436</b>	<b>434</b>

**TABLE 32**  
**Kindergarten Trend Projection Model**  
**County Line Elementary**

GRADE	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	77	76	75	74	74	73	72	71	70	70
1	71	85	84	83	82	82	81	80	79	78
2	86	71	85	84	83	82	81	81	80	79
3	84	85	70	84	83	83	82	81	80	79
4	94	84	85	70	84	83	83	82	81	80
5	85	95	85	86	71	85	84	84	83	82
<b>TOTAL</b>	<b>497</b>	<b>497</b>	<b>485</b>	<b>482</b>	<b>478</b>	<b>488</b>	<b>483</b>	<b>478</b>	<b>473</b>	<b>468</b>



**TABLE 33**  
**Summary of K-5 Enrollment Projections**  
**County Line Elementary**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	494	493	479	472	466	478	482	482	484	487
5 Year Trend	495	496	486	485	481	493	492	487	483	480
2 Year "Trend"	484	475	456	447	438	445	444	440	436	434
Kindergarten Trend	497	497	485	482	478	488	483	478	473	468



# MacArthur Elementary School

## Enrollment History

**TABLE 34**  
**Student Enrollment**  
**MacArthur Elementary**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
K	75	67	57	66	63	65	61	66	74	51
1	54	70	65	59	62	66	65	65	68	69
2	74	55	67	65	63	70	65	66	68	61
3	72	78	55	65	71	64	72	67	62	70
4	68	76	75	54	72	71	63	75	71	67
5	67	72	73	78	57	73	72	61	76	71
<b>TOTAL</b>	<b>410</b>	<b>418</b>	<b>392</b>	<b>387</b>	<b>388</b>	<b>409</b>	<b>398</b>	<b>400</b>	<b>419</b>	<b>389</b>

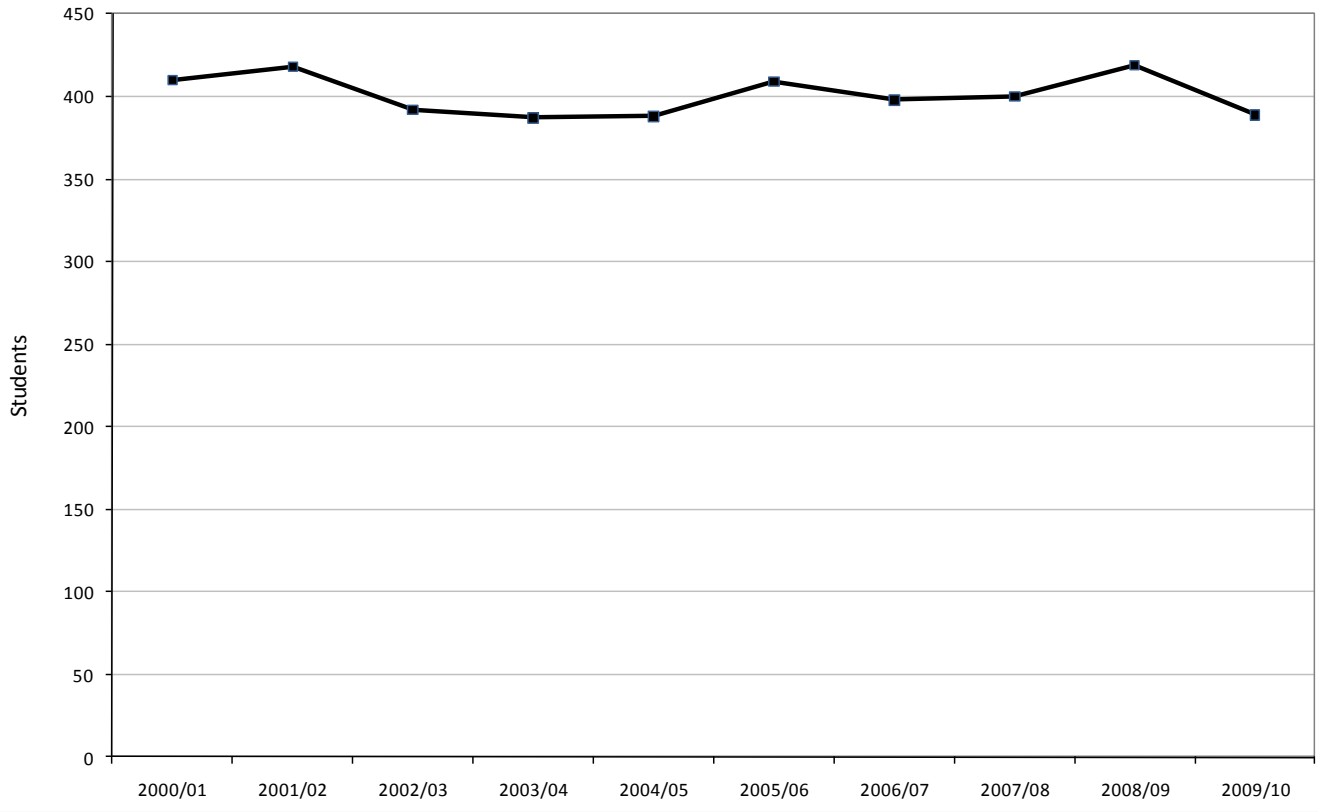
**TABLE 35**  
**Student Enrollment Changes**  
**MacArthur Elementary**

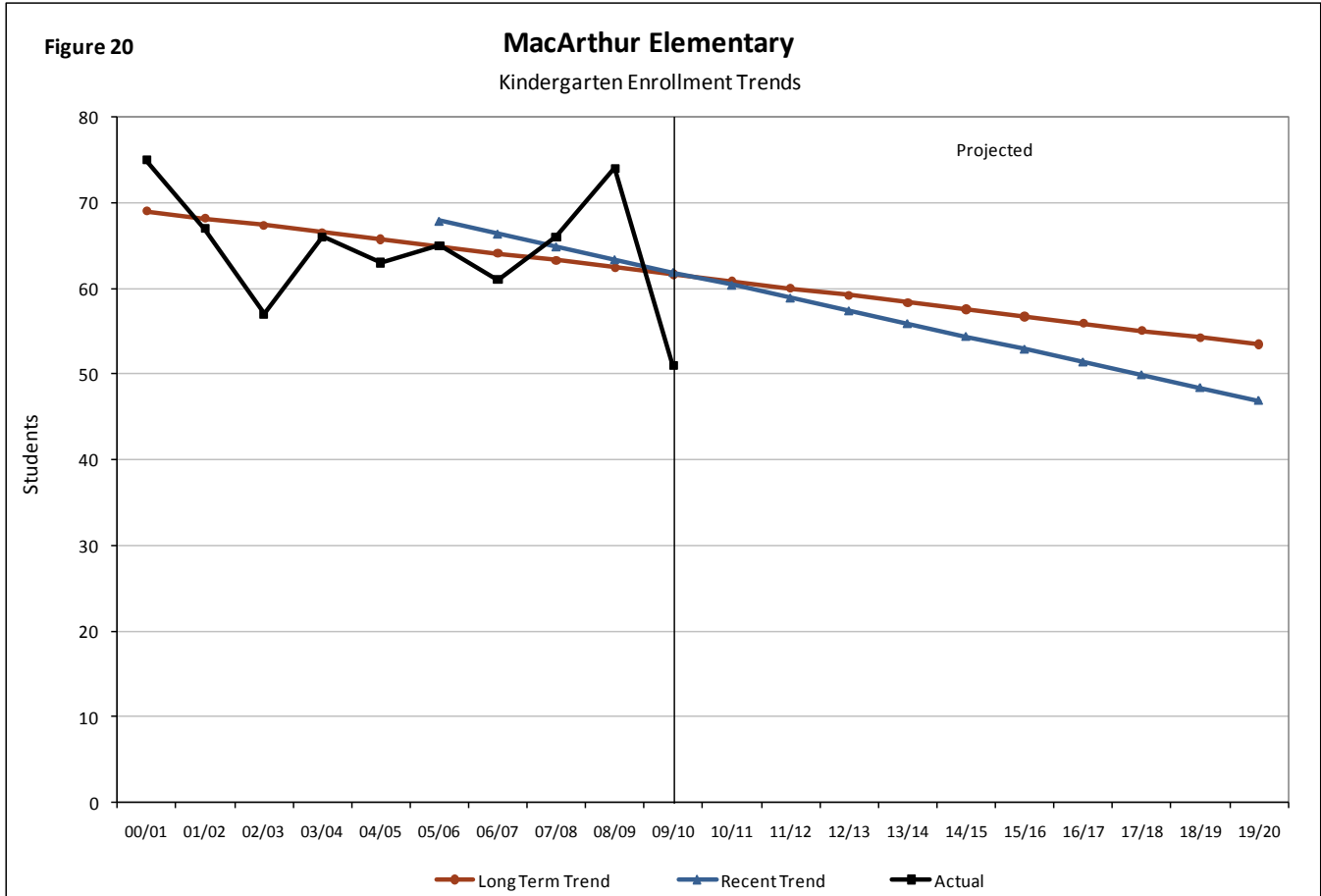
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09
K	-24	-12	-14	-32.0	-16.0	-21.5	-3.6	-4.0	-5.4
1	15	8	3	27.8	14.8	4.5	3.1	3.7	1.1
2	-13	-11	-9	-17.6	-14.9	-12.9	-2.0	-3.7	-3.2
3	-2	-1	6	-2.8	-1.4	9.4	-0.3	-0.3	2.3
4	-1	4	-4	-1.5	5.9	-5.6	-0.2	1.5	-1.4
5	4	-10	-2	6.0	-14.9	-2.7	0.7	-3.7	-0.7
<b>TOTAL</b>	<b>-21</b>	<b>-22</b>	<b>-20</b>	<b>-5.1</b>	<b>-5.4</b>	<b>-4.9</b>	<b>-0.6</b>	<b>-1.3</b>	<b>-1.2</b>



Figure 19

### MacArthur Elementary K-5 Student Enrollment





**TABLE 36**  
**Grade Progression Ratios**  
**MacArthur Elementary**

<b>YEAR CHANGES</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>
00-01/01-02	0.178	0.933	1.019	1.054	1.056	1.059
01-02/02-03	0.149	0.970	0.957	1.000	0.962	0.961
02-03/03-04	0.170	1.035	1.000	0.970	0.982	1.040
03-04/04-05	0.157	0.939	1.068	1.092	1.108	1.056
04-05/05-06	0.170	1.048	1.129	1.016	1.000	1.014
05-06/06-07	0.164	1.000	0.985	1.029	0.984	1.014
06-07/07-08	0.172	1.066	1.015	1.031	1.042	0.968
07-08/08-09	0.199	1.030	1.046	0.939	1.060	1.013
08-09/09-10	0.145	0.932	0.897	1.029	1.081	1.000
<b>Baseline</b>	<b>0.164</b>	<b>0.989</b>	<b>1.004</b>	<b>1.018</b>	<b>1.029</b>	<b>1.008</b>
<b>5 Year Trend</b>	<b>0.170</b>	<b>1.015</b>	<b>1.014</b>	<b>1.009</b>	<b>1.033</b>	<b>1.002</b>
<b>2 Year "Trend"</b>	<b>0.172</b>	<b>0.981</b>	<b>0.972</b>	<b>0.984</b>	<b>1.070</b>	<b>1.007</b>

\*Shaded progression ratios are excluded from the Baseline



**TABLE 37**  
**Baseline Projection Model**  
**MacArthur Elementary**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	58	61	60	59	60	61	61	61	61	61
1	50	58	60	59	58	59	60	60	60	60
2	69	51	58	60	60	58	60	61	61	61
3	62	71	52	59	61	61	59	61	62	62
4	72	64	73	53	61	63	62	61	63	63
5	68	73	64	73	53	61	64	63	62	63
<b>TOTAL</b>	<b>380</b>	<b>376</b>	<b>367</b>	<b>364</b>	<b>353</b>	<b>364</b>	<b>367</b>	<b>367</b>	<b>368</b>	<b>371</b>

**TABLE 38**  
**5 Year Trend Projection Model**  
**MacArthur Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	61	63	62	61	61	60	60	59	59	59
1	52	62	64	63	62	62	61	61	60	60
2	70	53	63	65	64	63	62	62	62	61
3	62	71	53	63	66	65	63	63	63	62
4	72	64	73	55	65	68	67	65	65	65
5	67	72	64	73	55	65	68	67	65	65
<b>TOTAL</b>	<b>383</b>	<b>384</b>	<b>378</b>	<b>380</b>	<b>372</b>	<b>382</b>	<b>382</b>	<b>378</b>	<b>374</b>	<b>372</b>



**TABLE 39**  
**2 Year "Trend" Projection Model**  
**MacArthur Elementary**

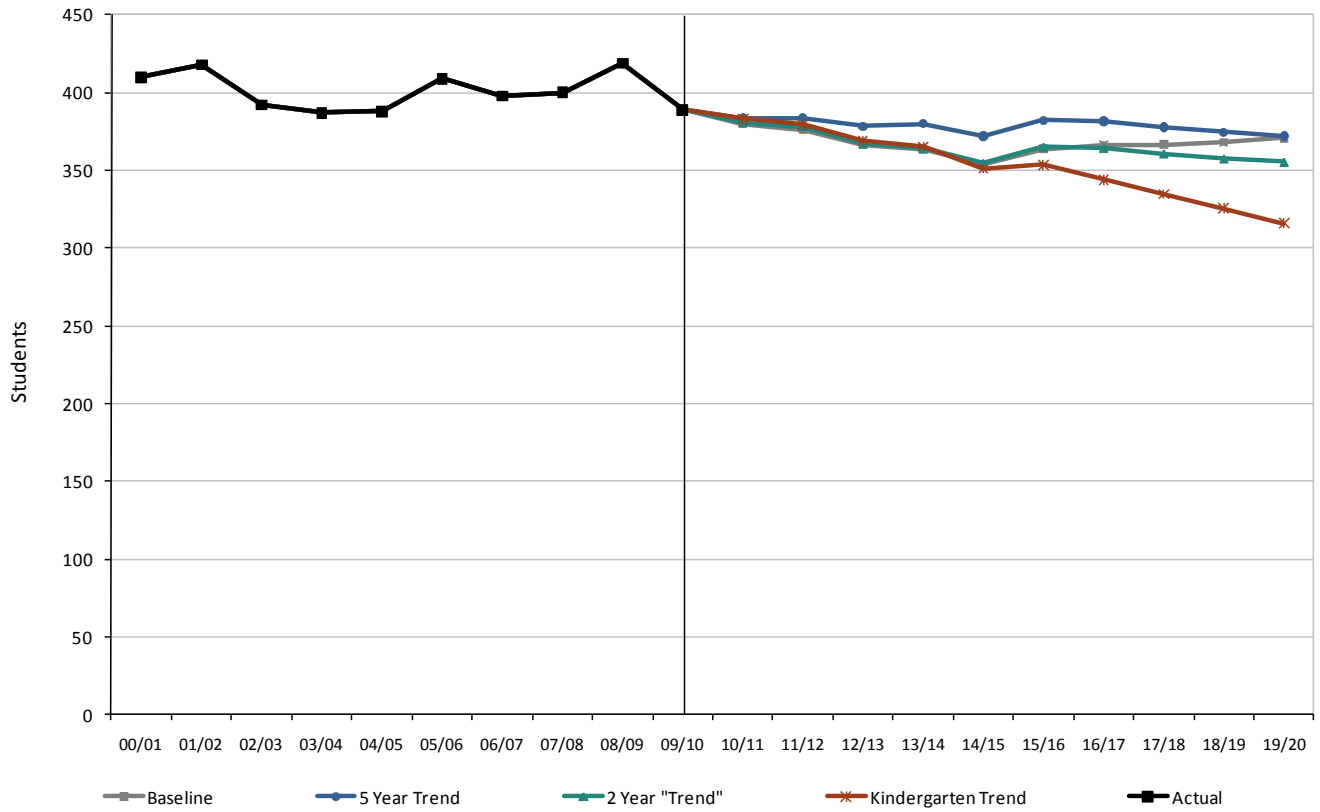
GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	61	64	63	62	61	61	61	60	60	59
1	50	60	63	62	60	60	60	59	59	59
2	67	49	59	61	60	59	58	58	58	57
3	60	66	48	58	60	59	58	58	57	57
4	75	64	71	51	62	64	63	62	62	61
5	67	75	65	71	52	62	64	64	62	62
<b>TOTAL</b>	<b>381</b>	<b>378</b>	<b>367</b>	<b>364</b>	<b>355</b>	<b>365</b>	<b>364</b>	<b>361</b>	<b>358</b>	<b>355</b>

**TABLE 40**  
**Kindergarten Trend Projection Model**  
**MacArthur Elementary**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	60	59	57	56	54	53	51	50	48	47
1	52	61	60	58	57	55	54	52	51	49
2	70	53	62	61	59	58	56	54	53	51
3	62	71	53	63	61	60	58	57	55	53
4	72	64	73	55	65	63	62	60	58	57
5	67	72	64	73	55	65	63	62	60	59
<b>TOTAL</b>	<b>383</b>	<b>379</b>	<b>369</b>	<b>365</b>	<b>351</b>	<b>354</b>	<b>344</b>	<b>335</b>	<b>325</b>	<b>316</b>

Figure 21

**MacArthur Elementary**  
K-5 Student Enrollment and Projections



**TABLE 41**  
**Summary of K-5 Enrollment Projections**  
**MacArthur Elementary**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	380	376	367	364	353	364	367	367	368	371
5 Year Trend	383	384	378	380	372	382	382	378	374	372
2 Year "Trend"	381	378	367	364	355	365	364	361	358	355
Kindergarten Trend	383	379	369	365	351	354	344	335	325	316



# Rockfield Elementary School

## Enrollment History

**TABLE 42**  
**Student Enrollment**  
**Rockfield Elementary School**

	SCHOOL YEAR									
	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
K	43	42	40	45	20	42	49	49	34	37
1	50	47	51	47	33	30	45	40	42	36
2	57	49	47	49	35	39	40	44	45	41
3	49	57	54	50	39	37	46	47	48	50
4	43	45	65	59	31	43	38	46	50	48
5	45	43	45	63	35	38	44	41	47	51
<b>TOTAL</b>	<b>287</b>	<b>283</b>	<b>302</b>	<b>313</b>	<b>193</b>	<b>229</b>	<b>262</b>	<b>267</b>	<b>266</b>	<b>263</b>

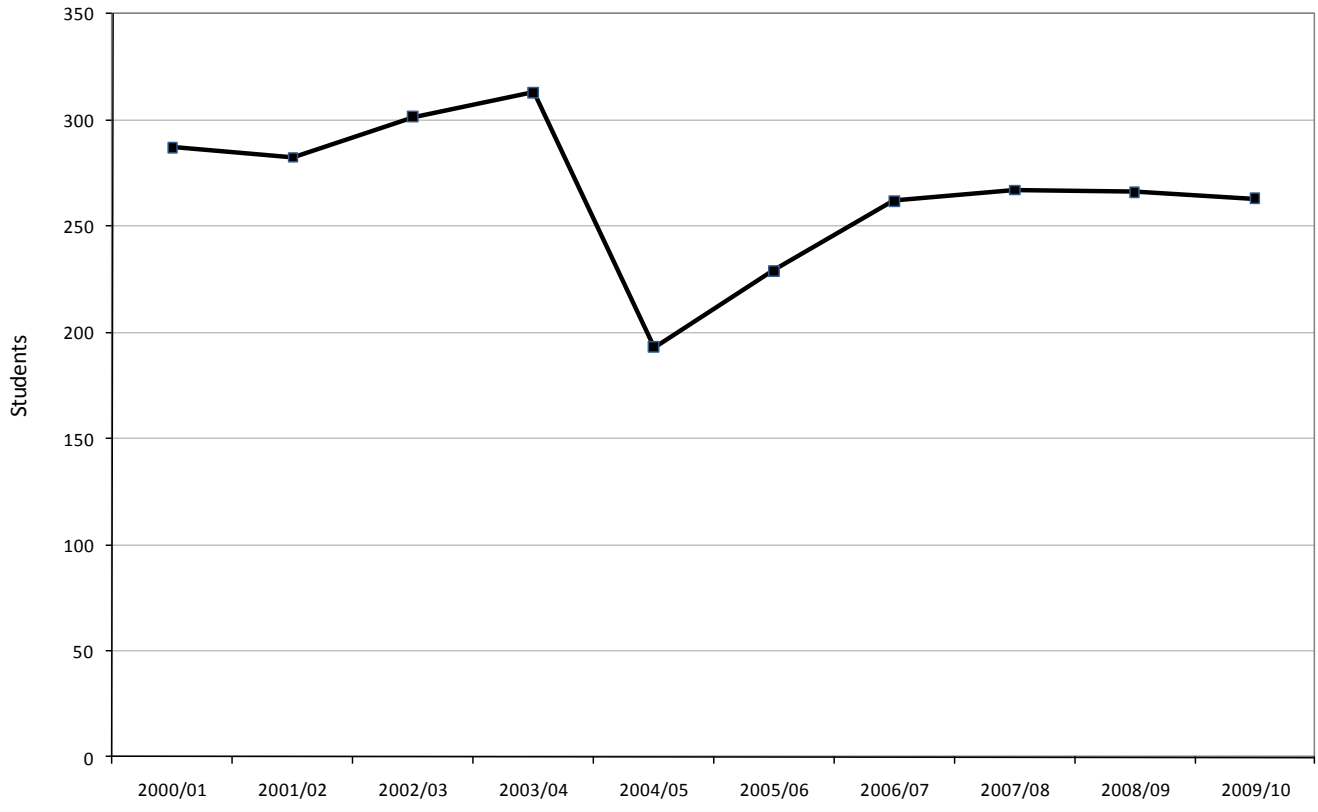
**TABLE 43**  
**Student Enrollment Changes**  
**Rockfield Elementary School**

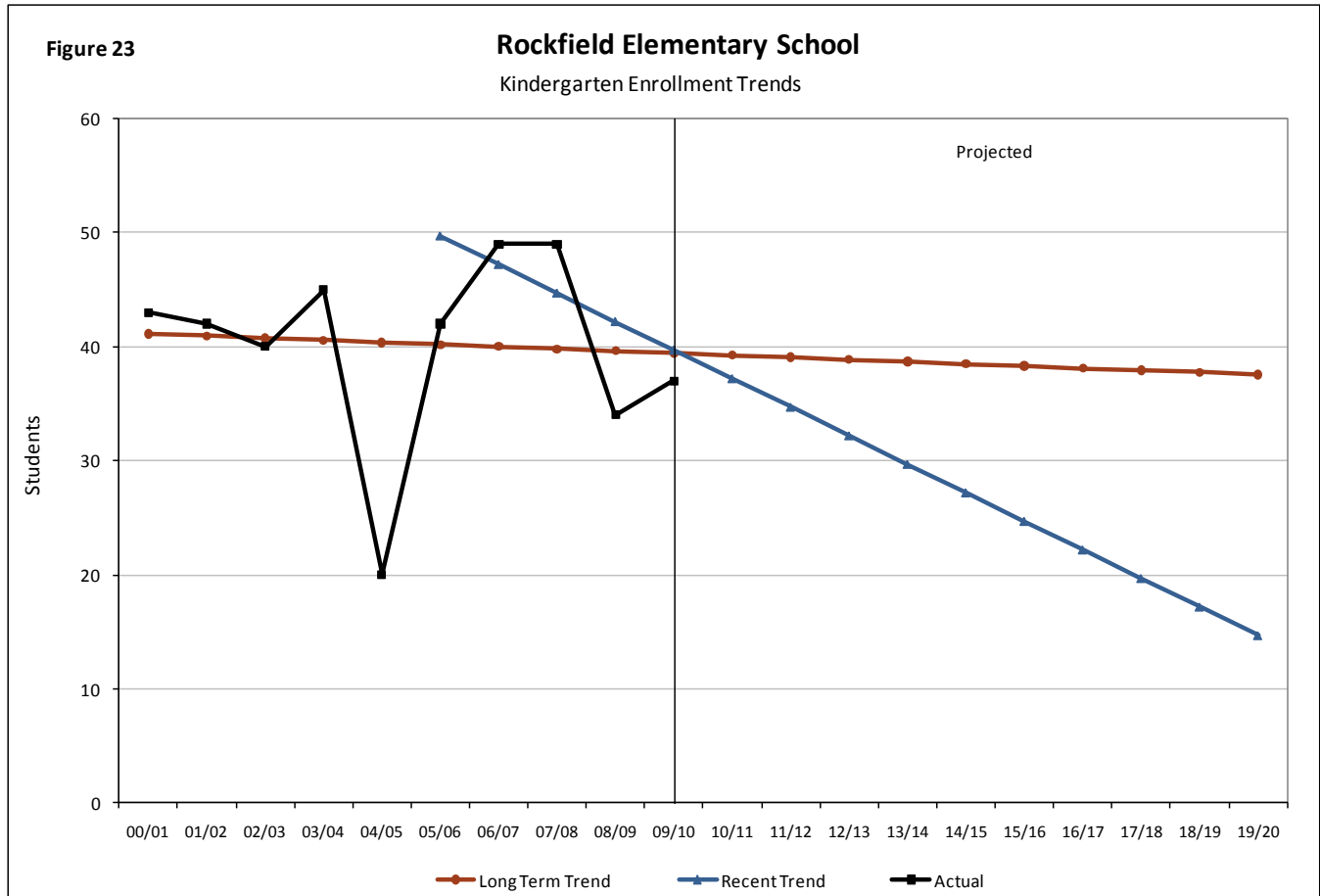
GRADE	ABSOLUTE CHANGE			PERCENT CHANGE			AVERAGE ANNUAL PERCENT CHANGE		
	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09	'00 to '09	'00 to '04	'05 to '09
K	-6	-23	-5	-14.0	-53.5	-11.9	-1.6	-13.4	-3.0
1	-14	-17	6	-28.0	-34.0	20.0	-3.1	-8.5	5.0
2	-16	-22	2	-28.1	-38.6	5.1	-3.1	-9.6	1.3
3	1	-10	13	2.0	-20.4	35.1	0.2	-5.1	8.8
4	5	-12	5	11.6	-27.9	11.6	1.3	-7.0	2.9
5	6	-10	13	13.3	-22.2	34.2	1.5	-5.6	8.6
<b>TOTAL</b>	<b>-24</b>	<b>-94</b>	<b>34</b>	<b>-8.4</b>	<b>-32.8</b>	<b>14.8</b>	<b>-0.9</b>	<b>-8.2</b>	<b>3.7</b>



Figure 22

### Rockfield Elementary School K-5 Student Enrollment





\*Note: The Kindergarten Trend model for County Line Elementary school uses the Long Term Trend, not the Recent Trend.

**TABLE 44**  
**Grade Progression Ratios**  
**Rockfield Elementary School**

<b>YEAR CHANGES</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>
00-01/01-02	0.111	1.081	0.980	1.000	0.918	1.000
01-02/02-03	0.105	1.202	1.011	1.102	1.140	1.000
02-03/03-04	0.116	1.175	0.970	1.064	1.093	0.969
03-04/04-05	0.050	0.733	0.745	0.796	0.620	0.593
04-05/05-06	0.110	1.500	1.182	1.057	1.103	1.226
05-06/06-07	0.132	1.071	1.333	1.179	1.027	1.023
06-07/07-08	0.128	0.816	0.978	1.175	1.000	1.079
07-08/08-09	0.091	0.857	1.125	1.091	1.064	1.022
08-09/09-10	0.105	1.059	0.976	1.111	1.000	1.020
<b>Baseline</b>	<b>0.105</b>	<b>1.034</b>	<b>1.032</b>	<b>1.097</b>	<b>1.043</b>	<b>1.016</b>
<b>5 Year Trend</b>	<b>0.113</b>	<b>1.061</b>	<b>1.119</b>	<b>1.123</b>	<b>1.039</b>	<b>1.074</b>
<b>2 Year "Trend"</b>	<b>0.098</b>	<b>0.958</b>	<b>1.051</b>	<b>1.101</b>	<b>1.032</b>	<b>1.021</b>

\*Shaded progression ratios are excluded from the Baseline



**TABLE 45**  
**Baseline Projection Model**  
**Rockfield Elementary School**

	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	37	39	38	38	38	39	39	39	39	39
1	38	39	40	40	39	40	40	40	40	40
2	37	39	40	42	41	40	41	42	42	42
3	45	41	43	44	46	45	44	45	46	46
4	52	47	43	45	46	48	47	46	47	48
5	49	53	48	43	46	46	48	48	47	48
<b>TOTAL</b>	<b>259</b>	<b>258</b>	<b>252</b>	<b>251</b>	<b>255</b>	<b>258</b>	<b>260</b>	<b>260</b>	<b>261</b>	<b>263</b>

**TABLE 46**  
**5 Year Trend Projection Model**  
**Rockfield Elementary School**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	40	42	41	41	40	40	40	40	39	39
1	39	43	45	44	43	43	43	42	42	42
2	40	44	48	50	49	48	48	48	47	47
3	46	45	49	54	56	55	54	54	54	53
4	52	48	47	51	56	58	57	56	56	56
5	52	56	51	50	55	60	62	62	60	60
<b>TOTAL</b>	<b>269</b>	<b>278</b>	<b>282</b>	<b>290</b>	<b>299</b>	<b>305</b>	<b>304</b>	<b>301</b>	<b>298</b>	<b>297</b>

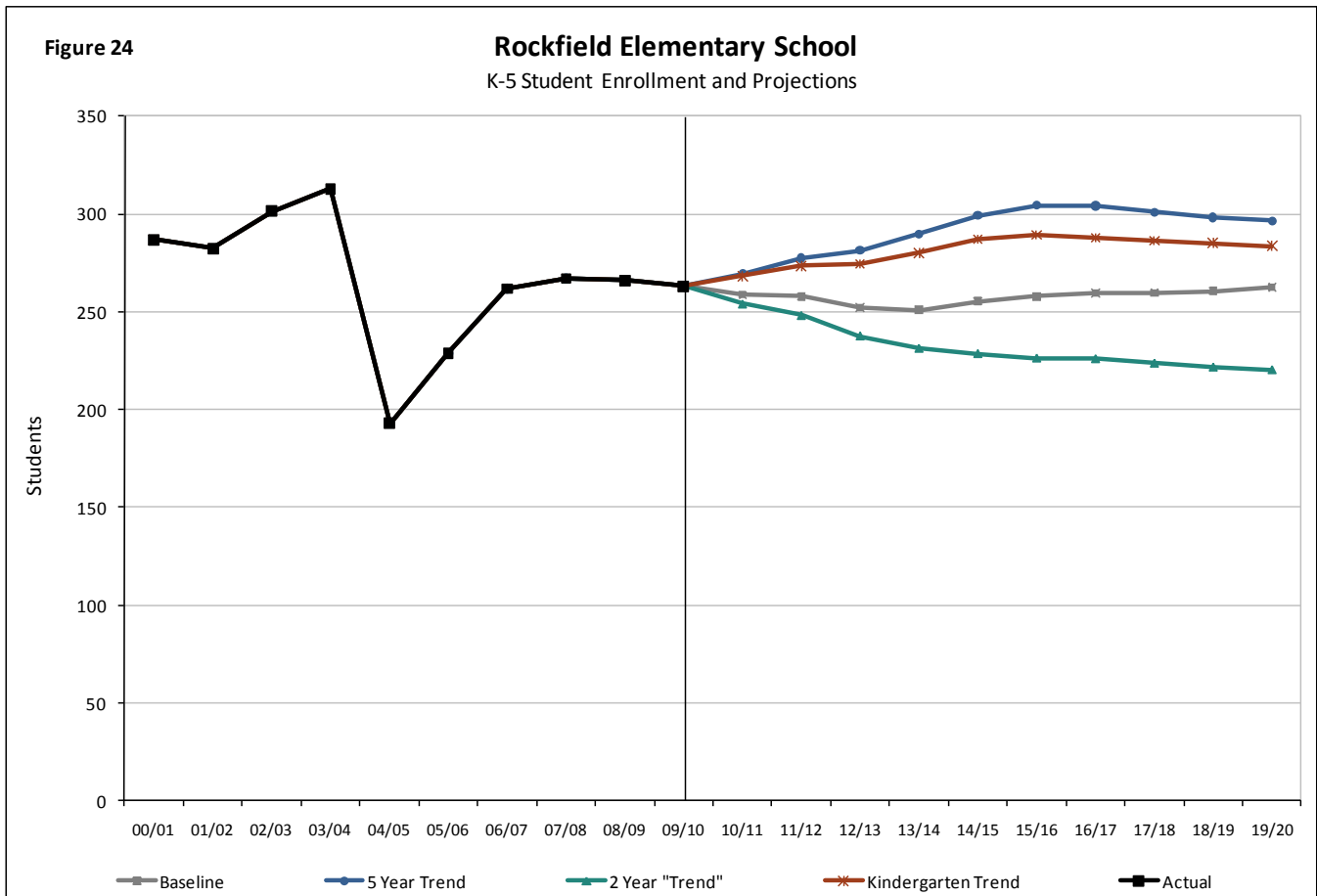


**TABLE 47**  
**2 Year "Trend" Projection Model**  
**Rockfield Elementary School**

GRADE	SCHOOL YEAR									
	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	35	36	36	35	35	35	35	34	34	34
1	35	34	35	34	34	34	33	33	33	33
2	38	37	35	37	36	35	35	35	35	35
3	45	42	41	39	40	40	39	39	39	38
4	52	47	43	42	40	42	41	40	40	40
5	49	53	48	44	43	41	43	42	41	41
<b>TOTAL</b>	<b>254</b>	<b>248</b>	<b>238</b>	<b>231</b>	<b>229</b>	<b>226</b>	<b>226</b>	<b>224</b>	<b>222</b>	<b>220</b>

**TABLE 48**  
**Kindergarten Trend Projection Model**  
**Rockfield Elementary School**

GRADE	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
K	39	39	39	39	39	38	38	38	38	38
1	39	42	41	41	41	41	41	40	40	40
2	40	44	47	46	46	46	46	45	45	45
3	46	45	49	52	52	52	52	51	51	51
4	52	48	47	51	54	54	54	54	53	53
5	52	56	51	50	55	58	58	58	58	57
<b>TOTAL</b>	<b>268</b>	<b>273</b>	<b>275</b>	<b>280</b>	<b>287</b>	<b>289</b>	<b>288</b>	<b>286</b>	<b>285</b>	<b>284</b>



**TABLE 49**  
**Summary of K-5 Enrollment Projections**  
**Rockfield Elementary School**

	10-11	11-12	12-13	13-14	14-15	15-16	16-17	17-18	18-19	19-20
Baseline	259	258	252	251	255	258	260	260	261	263
5 Year Trend	269	278	282	290	299	305	304	301	298	297
2 Year "Trend"	254	248	238	231	229	226	226	224	222	220
Kindergarten Trend	268	273	275	280	287	289	288	286	285	284

