

Updated Enrollment Projection
for the
Swedesboro-Woolwich School District
15 Frederick Blvd.
Woolwich, NJ 08085

Prepared by



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TABLE of CONTENTS

	Page
Executive Summary	i
Live Births	1
Residential Building Permits	2
Residential Sales/Recession	3
Future Housing	4
Historic Enrollments	5
District-wide Enrollment Projection	6
PreK and K Enrollment Projections	7
Grade 1 & 2 Enrollment Projections	8
Grades 3-5 Enrollment Projections	9
Grade 6 Enrollment Projections	10
Appendix:	
Cohort Survival Worksheet	



The Methodology used in projecting enrollments is the recommended method of the New Jersey Department of Education and is known as “Cohort Survival” or “Grade Level Progression”.

Live Births in the district have been generally declining since year 2007 with a high of 245 Births to a year 2016 low of 137 Births.

The 6-year average of 166 Births is used in the projection for those years not yet available but required for the projection.

Woolwich Births peaked in 2007 and Swedesboro Births peaked in 2011.

Proposed New Housing is for 482 units in Woolwich and 65 in Swedesboro over the next 5 years.

Historic Residential permitting for new construction peaked at 387 units in year 2005. Permitting in the last 6 years has averaged 147 units with year 2015 at only 89 units. This projection assumes that Swedesboro housing continues without change except for a 65 unit affordable housing project. Housing in Woolwich is projected to average 96 units over the next 5 years. The level in Woolwich is below the recent 6-year average level of 125. Therefore no adjustment is made to the projection for accelerated housing.

The Enrollment Change and Residential Permitting chart exhibits the strong correlation between the two factors.

The **Residential Sales** chart exhibits the impact of the Recession on housing sales (new and existing) and the recovery that has followed, however, no correlation is found between Enrollment Change and Residential Sales.

Historic Enrollments in the District which increased for 9 years since 2000, stabilized for 4 years and are now generally decreasing from a peak of 1,744 in 2014 to 1,657 in 2017.

District-wide Enrollments will decrease by 221 students to 1,436 students at the end of the 5-year projection in 2022.

Early Childhood Enrollments for Grades PK-K, will fluctuate but ultimately decrease by 35 students over the 5-year projection period to 214 students in 2022. The large decrease from 2018 to 2019 is a reflection of low Births in 2013.

Elementary Enrollments for Grades 1 & 2 will fluctuate and end the projection period at 344 students in year 2021, 84 students less than the current enrollment.

Elementary Enrollments for Grades 3-5, will decrease with fluctuation by 68 students over the 5-year projection period to 641 students in 2022.

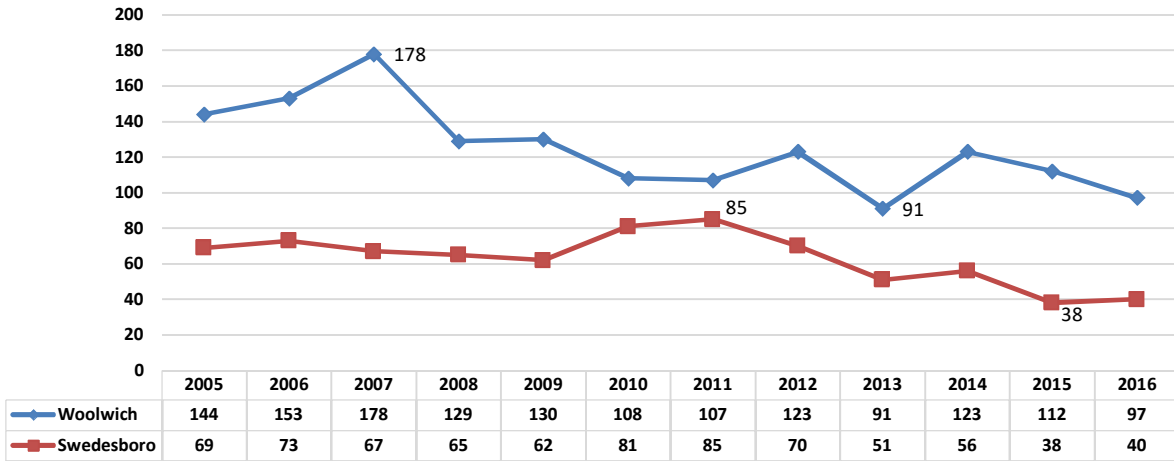
Intermediate Enrollments for Grades 6, will decrease by 77 students in the first 3 years of the projection followed by an increase of 44 students to end the projection period 33 students less than the current enrollment.

Enrollments over the 5-year projection period will decrease in all Schools, as follows;

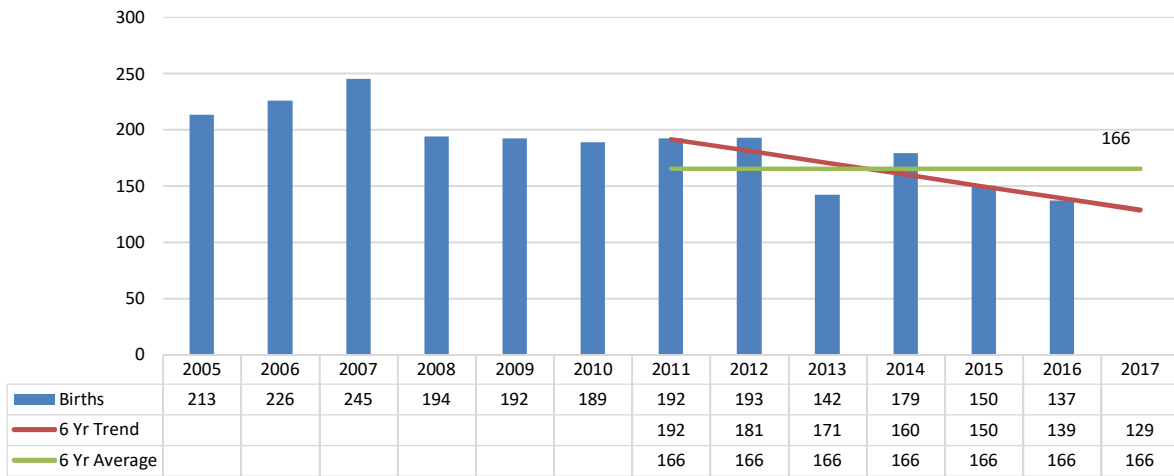
*Clifford... -35
Stratton... -84
Harker... -68
Hill... -33*

Live Births: District, Swedesboro and Woolwich

Live Births by Municipality



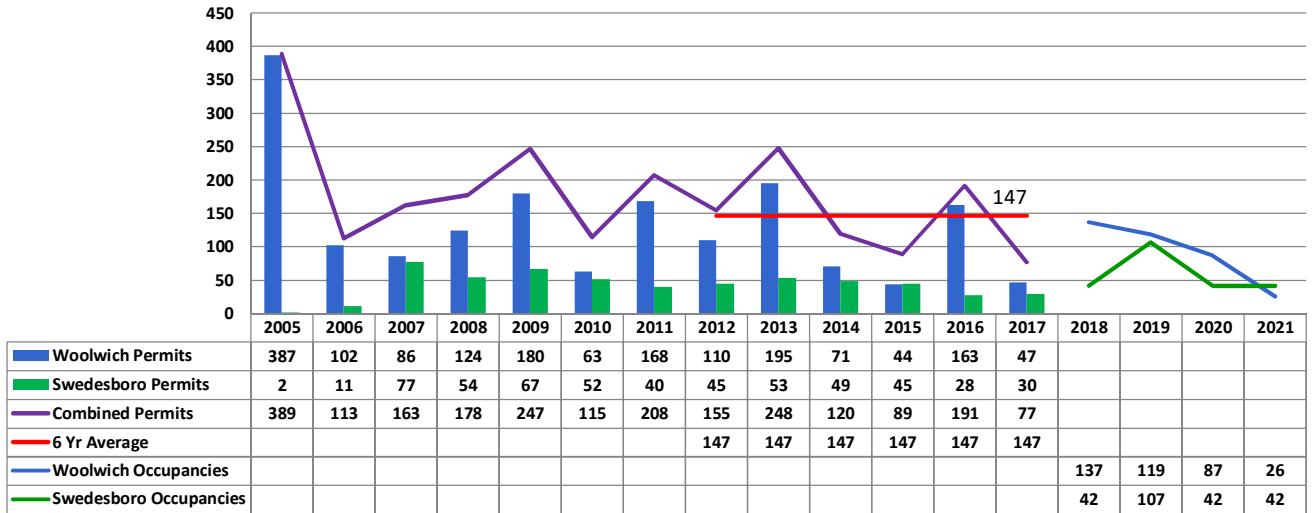
Combined Live Births



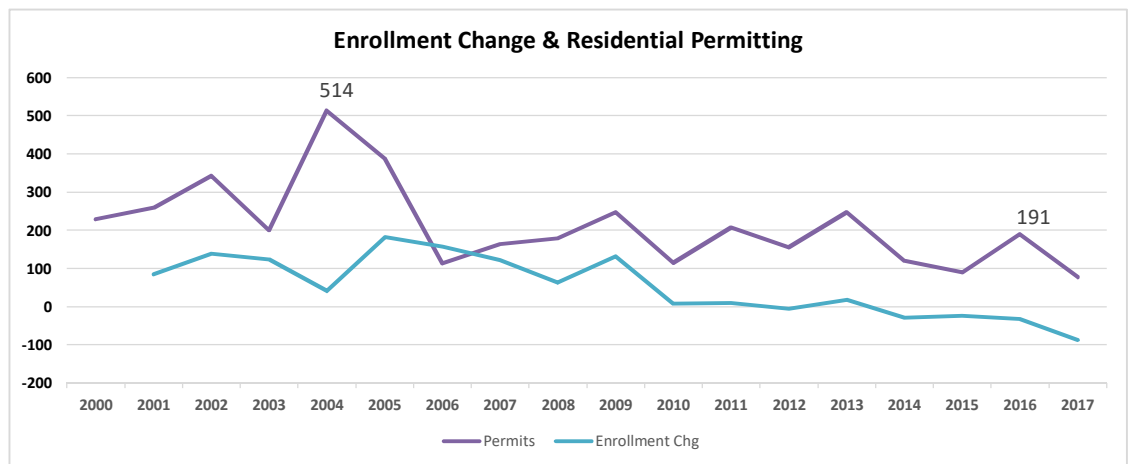
The 6-year average Births of 166 will be used for "Births Five years Earlier" for School year 2020-21 and forward.
 The 6-year trend in the District is for 6 fewer Births every year.
 In Woolwich, Births peaked at 178 in 2007 and decreased to 91 in 2013.
 In Swedesboro, Births peaked at 85 in 2011 before decreasing to 38 in 2015.

Building Permits & Enrollment Change

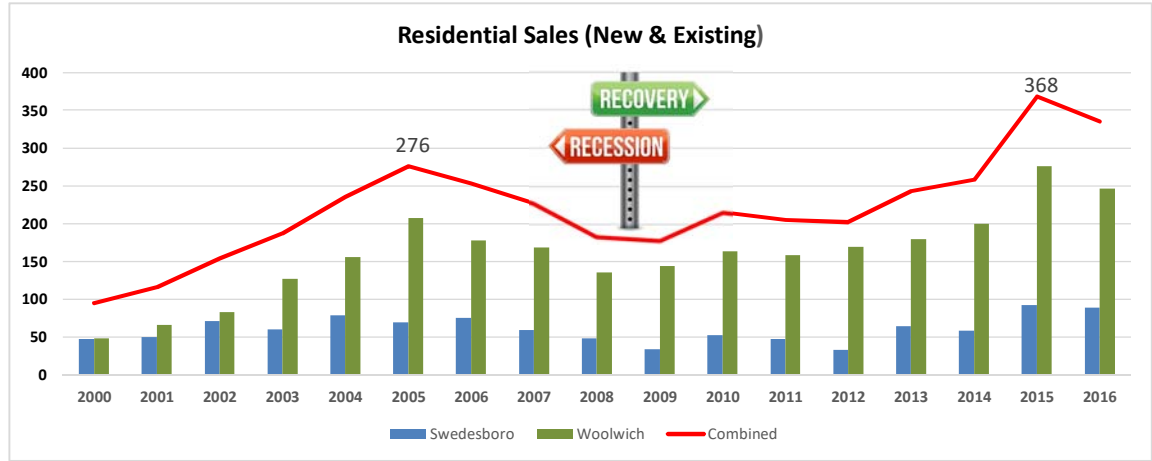
Building Permits & Future Occupancies: Woolwich & Swedesboro



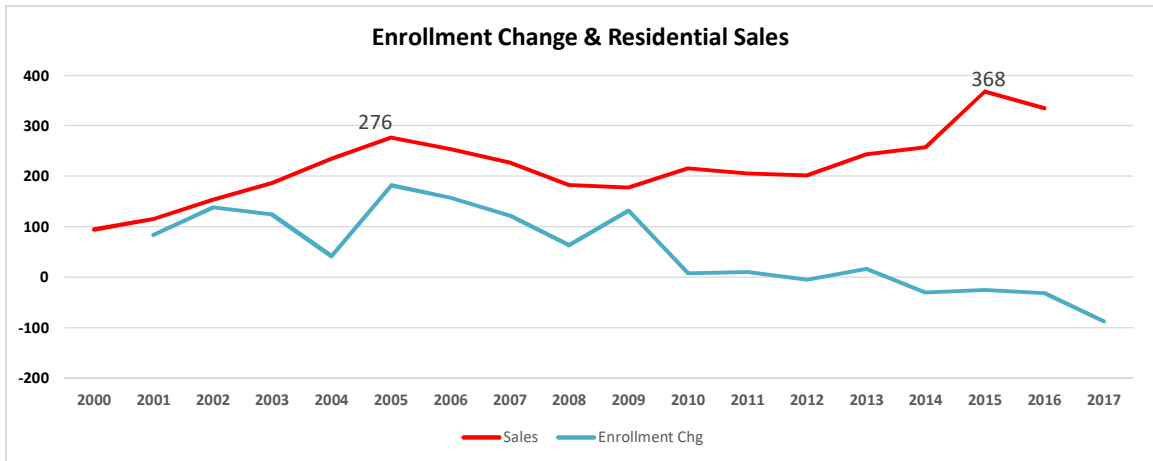
In Woolwich Township, the near future anticipated level is generally below the recent 6-year average. No adjustment is made to the projection for new housing. In Swedesboro, the Water Street Apartments (65 units of Affordable housing) is slightly above average but no adjustment is made. Note the significant correlation between Enrollment Change and Residential Permitting.



	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Swedesboro	47	50	71	60	79	69	75	59	48	34	52	47	33	64	58	92	89
Woolwich	48	66	83	127	156	207	178	168	135	144	163	158	169	179	200	276	246
	95	116	154	187	235	276	253	227	183	178	215	205	202	243	258	368	335



Residential Sales appear to have recovered from the 2008 Recession. In fact sales in 2015 of 368 units exceeds the previous pre-recession high of 276 units in year 2005.



There is little correlation between Residential Sales and Enrollment Change in the years 2003-05 and since 2009 after which housing sales increase and enrollment continues to decrease.

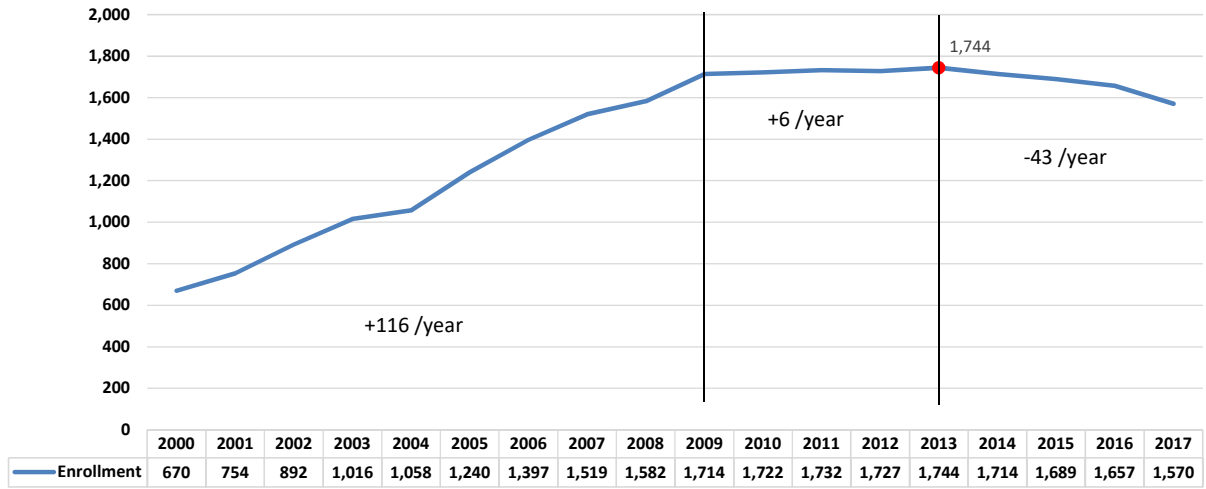
Future Housing Occupancies

	Type	Bdrms	2017	2018	2019	2020	2021	Total
- WOOLWICH								
Ryan Sec 2.5 A/B	SF	3/4 Bdrm	20	40	23			83
			20	40	23			83
Ridings <i>Orleans</i>	SF	3/4 Bdrm		31	30	20		81
				31	30	20		81
Lexington Mews <i>Orleans</i>	TH	3 Bdrm	7	13	13	13	13	59
	TH	2 Bdrm	6	13	13	13	13	58
			13	26	26	26	26	117
Weatherby Place	TH	3 Bdrm		20	20	21		61
	TH	2 Bdrm		20	20	20		60
				40	40	41		121
Eagle View Trail <i>CFS/Conifer</i>	Apt/Aff	3 Bdrm	24					
	Apt/Aff	2 Bdrm	40					
	Apt/Aff	1 Bdrm	16					
			80					
WOOLWICH TOTAL			113	137	119	87	26	482
- SWEDESBORO								
Valley View Land C	SF	3/4 Bdrm	no construction/occupancy schedule					140
								140
Water Street Apts	Apt/Aff	3 Bdrm			10			10
	Apt/Aff	2 Bdrm			30			30
	Apt/Aff	1 Bdrm			25			25
					65			65
SWEDESBORO TOTAL					65			65
COMBINED TOTAL			113	137	184	87	26	547

Counts and Build-out schedules for Woolwich units approved but not built or occupied are from Ken Schatz of Cohen Schatz, the holder of the Master Development approval for the cited developments.

Swedesboro units are from the Planning Board Secretary. The schedule of development was not confirmed. The Valley View project approval is for a 3rd year extension with no visible action.

Historic Enrollments

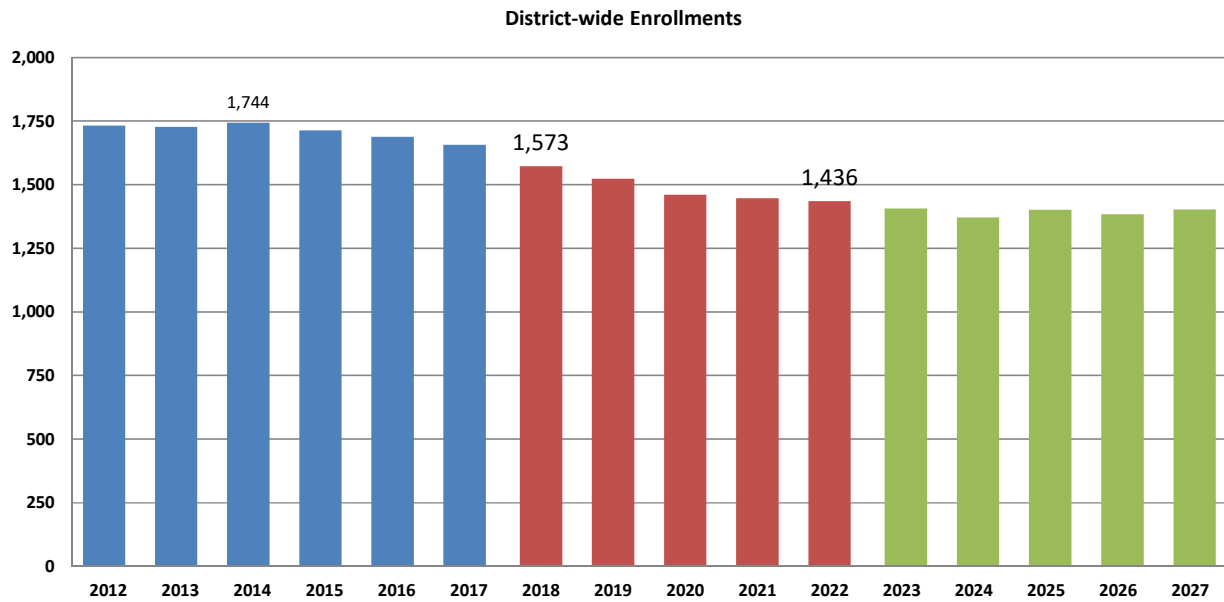


Enrollments grew 1,000+ steadily from 2000 to 2009 at an average rate of 116 students per year.

Enrollments were stable from 1,714 students in 2009 through the peak of 1,744 students in year 2013 with growth of only 6 students per year.

Enrollments have been decreasing since year 2013, by 174 students or an average of 43.5 per year.

District-wide Enrollment Projection



District-wide

	TOTAL	Average	Change	%Chg
Historic				
2012	1,732			
2013	1,727			
2014	1,744			
2015	1,714	1,711		
2016	1,689			
2017	1,657		-75	-4.3%
Projected				
2018	1,573			
2019	1,524			
2020	1,462	1,488		
2021	1,447			
2022	1,436		-221	-14.1%
Extended				
2023	1,407			
2024	1,372			
2025	1,402	1,394		
2026	1,384			
2027	1,404		-32	-2.3%

Swedesboro-Woolwich School District
Clifford Early Education PreK & K Enrollments

	Year	K-4				Period	Period	
		PK	PK SE	K	K SE	Average	Change	
Historic	2012	33	16	181	8	238		
	2013	23	16	188	5	232		
	2014	43	11	171	13	238		
	2015	19	25	176	13	233	240	
	2016	32	14	192	10	248		
	2017	31	18	191	9	249	11	4.6%
Projected	2018	23	18	141	9	191		
	2019	29	16	177	9	231		
	2020	24	17	149	9	199	204	
	2021	22	19	136	9	185		
	2022	22	19	164	9	214	-35	-18.5%
Extended	2023	22	19	164	9	214		
	2024	22	19	164	9	214		
	2025	22	19	164	9	214	214	
	2026	22	19	164	9	214		
	2027	22	19	164	9	214	0	0.0%

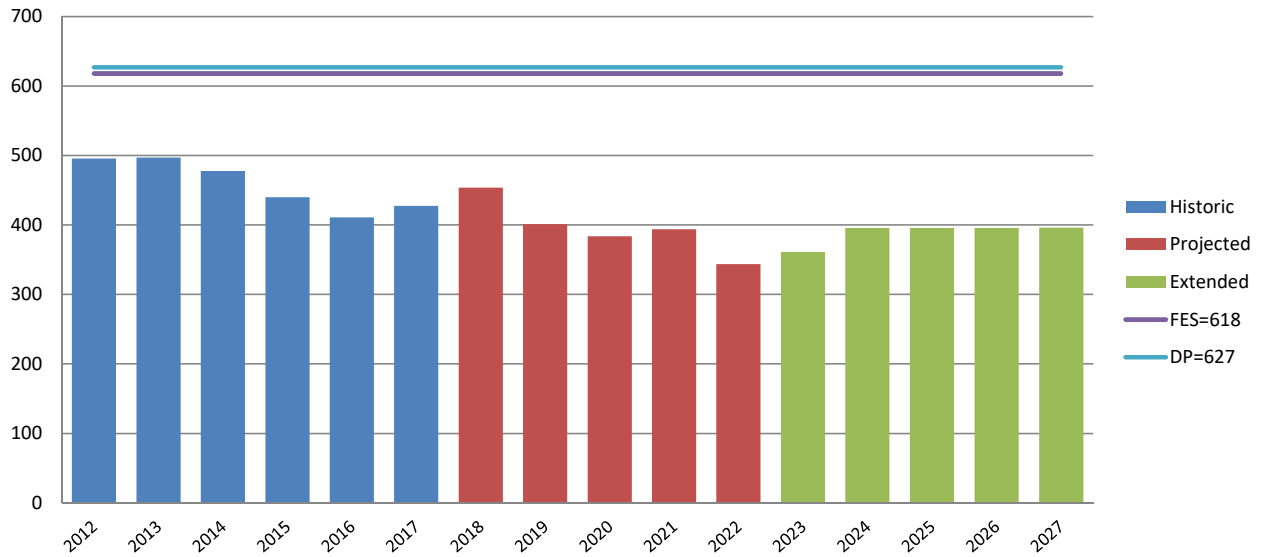
Early Ed PK & K Enrollments



Swedesboro-Woolwich School District
Stratton Elementary Grades 1 & 2 Enrollments

		1 & 2			Period	Period	
		1	2	SE	TOTAL	Average	
Historic	2012	239	247	10	496		
	2013	227	258	12	497		
	2014	228	242	8	478		
	2015	197	234	9	440	458	
	2016	211	191	9	411		
	2017	220	207	1	428		-68 -13.8%
Projected	2018	228	225	1	454		
	2019	168	233	0	402		
	2020	212	172	0	384	395	
	2021	177	217	0	394		
	2022	162	182	0	344		-84 -18.5%
Extended	2023	196	166	0	361		
	2024	196	200	0	396		
	2025	196	200	0	396	389	
	2026	196	200	0	396		
	2027	196	200	0	396		53 14.5%

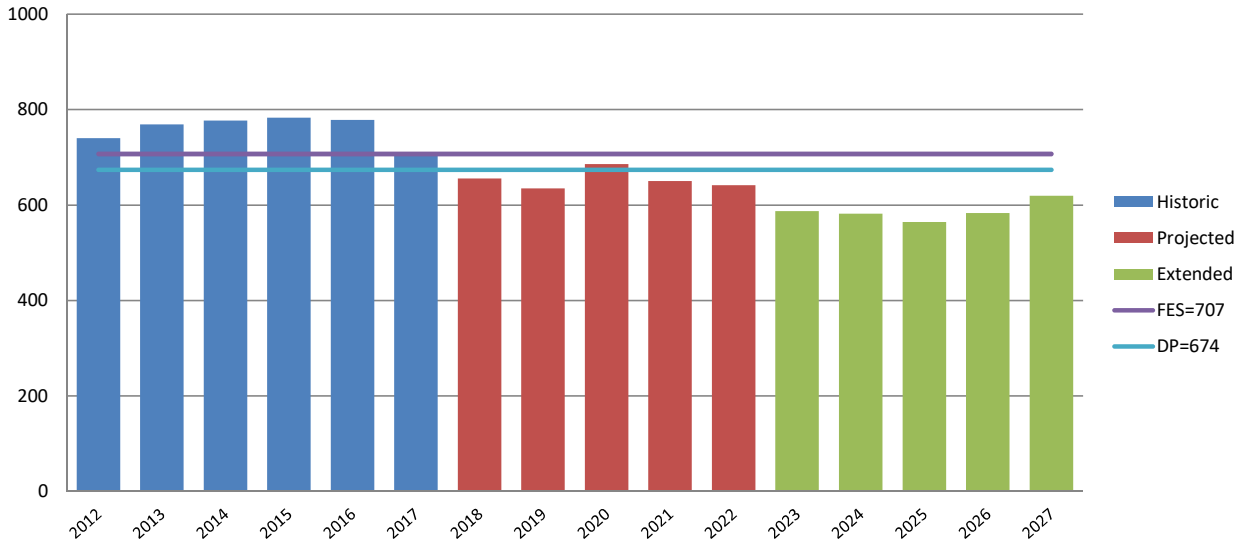
Elementary Gr 1 & 2 Enrollments



Swedesboro-Woolwich School District
Harker Elementary Grades 3-5 Enrollments

		3	4	5	3-5 SE	3-5 TOTAL	Period Average	Period Change
Historic	2012	265	235	232	8	740		
	2013	256	257	239	17	769		
	2014	261	246	258	12	777		
	2015	252	264	252	15	783	759	
	2016	245	257	270	6	778		
	2017	188	249	271	1	709		-31 -4.2%
Projected	2018	212	187	255	1	655		
	2019	231	211	192	1	634		
	2020	239	230	216	1	686	653	
	2021	176	238	235	0	650		
	2022	222	175	244	0	641		-68 -10.4%
	Extended	2023	186	221	180	0	587	
2024		170	185	226	0	582		
2025		205	169	190	0	564	587	
2026		205	204	173	0	583		
2027		205	204	209	0	619		-22 -3.8%

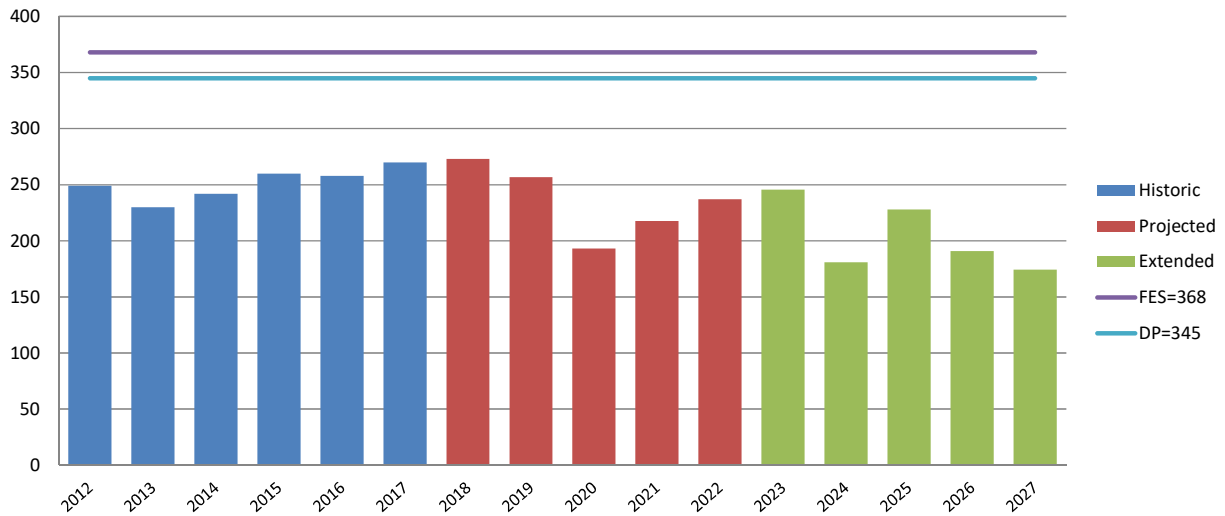
Elementary Gr 3-5 Enrollments



Swedesboro-Woolwich School District
Hill Elementary School Grade 6 Enrollments

	Year	6 Gr 6		Period	Period	
		6	SE TOTAL	Average	Change	
Historic	2012	249	0	249		
	2013	230	0	230		
	2014	242	0	242		
	2015	260	0	260	252	
	2016	258	0	258		
	2017	270	0	270	21	8.4%
Projected	2018	273	0	273		
	2019	257	0	257		
	2020	193	0	193	236	
	2021	218	0	218		
	2022	237	0	237	-33	-12.0%
	Extended	2023	246	0	246	
2024		181	0	181		
2025		228	0	228	204	
2026		191	0	191		
2027		174	0	174	-63	-25.5%

Elementary Gr 6 Enrollments



Standard Cohort-Survival Enrollment Projection Worksheet

DISTRICT NAME: Swedesboro-Woolwich School District

COUNTY: Gloucester

DATA ISSUES: Enrollments are from NJ Smart Oct reports

School Year	Births 5 Sch Yrs. Ago	Survival Rate "s"	Clifford					Stratton					Harker					Clifford					Hill					Total				
			K	1st Gr.	2nd Gr.	3rd Gr.	4th Gr.	5th Gr.	K-5 Subt.	K-5 SCSE	K-5 Total (excl. PK)	PK 3 yrs.	PK 4yrs.	PK Total	6th Gr.	7th Gr.	8th Gr.	6-8 Subt.	42,529 SCSE	6-8 Total	9th Gr.	10th Gr.	11th Gr.	12th Gr.	9-12 Subt.	42,625 SCSE	9-12 Total	PK Subt.	K-12 Subt.	K-12 Total	PK-12 Total	

HISTORIC DATA			Clifford															Hill					Total									
2012-13	245	0.739	181	239	247	265	235	232	1399	34	1433	16	0	33	1482	249			249	1	250					0		0	49	1648	1683	1732
2013-14	194	0.969	188	227	258	256	257	239	1425	33	1458	16	0	23	1497	230			230	0	230					0		0	39	1655	1688	1727
2014-15	130	1.315	171	228	242	261	246	258	1406	37	1443	11	0	43	1497	242			242	5	247					0		0	54	1648	1690	1744
2015-16	189	0.931	176	197	234	252	264	252	1375	33	1408	25	0	19	1452	260			260	2	262					0		0	44	1635	1670	1714
2016-17	192	1.000	192	211	191	245	257	270	1366	19	1385	14	0	32	1431	258			258	0	258					0		0	46	1624	1643	1689
2017-18	193	0.990	191	220	207	188	249	271	1326	11	1337	18	0	31	1386	270			270	1	271					0		0	49	1596	1608	1657
6 Yr Average	0.991		1.193	1.024	1.024	0.996	1.025								1.007					0.00%												

Change # Students: -73, -96, -96, 21, 21, -75
 Change % Students: -5%, -7%, -6%, 8%, 8%, -4%

5-YR PROJECTIONS			Clifford															Hill					Total									
2018-19	142	0.991	141	228	225	212	187	255	1248	10	1259	18	0	23	1300	273	0	0	273	0	273	0	0	0	0	0	0	0	41	1521	1531	1573
2019-20	179	0.991	177	168	233	231	211	192	1212	10	1222	16	0	29	1267	257	0	0	257	0	257	0	0	0	0	0	0	0	45	1469	1479	1524
2020-21	150	0.991	149	212	172	239	230	216	1217	10	1227	17	0	24	1268	193	0	0	193	0	193	0	0	0	0	0	0	0	41	1410	1420	1462
2021-22	137	0.991	136	177	217	176	238	235	1179	10	1189	19	0	22	1230	218	0	0	218	0	218	0	0	0	0	0	0	0	41	1397	1407	1447
2022-23	166	0.991	164	162	182	222	175	244	1148	10	1158	19	0	22	1199	237	0	0	237	0	237	0	0	0	0	0	0	0	41	1386	1395	1436

Change # Students: -178, -179, -187, -33, -34, -221
 Change % Students: -13%, -13%, -14%, -12%, -12%, -13.3%

KEY to Number Colors


- 99 Standard number with no modifications to methodology
- 99 Provisional, but uncertified births from the NJ Department of Health
- 99 Births projected as an average of the prior 6 years, including provisional data...and projected students resulting from this "less accurate" average
- 99 Students per Grade Level added for residential development

The above information is prepared and certified by a qualified demographer.

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Signature: *George B. Sundell* Date: February 9, 2018



6-10 YR PROJECTIONS			Clifford															Hill					Total								
2023-24	166	0.991	164	196	166	186	221	180	1112	9	1121	19	0	22	1162	246	0	0	246	0	246	0	0	0	0	0	0	41	1357	1367	1407
2024-25	166	0.991	164	196	200	170	185	226	1141	9	1151	19	0	22	1191	181	0	0	181	0	181	0	0	0	0	0	0	41	1322	1332	1372
2025-26	166	0.991	164	196	200	205	169	190	1124	9	1133	19	0	22	1174	228	0	0	228	0	228	0	0	0	0	0	0	41	1352	1361	1402
2026-27	166	0.991	164	196	200	205	204	173	1143	9	1152	19	0	22	1193	191	0	0	191	0	191	0	0	0	0	0	0	41	1334	1343	1384
2027-28	166	0.991	164	196	200	205	204	209	1179	10	1188	19	0	22	1229	174	0	0	174	0	174	0	0	0	0	0	0	41	1353	1363	1404

Change # Students: 30, 30, 30, -63, -63, -32
 Change % Students: 3%, 3%, 2%, -36%, -36%, -2%