

Darien Public Schools



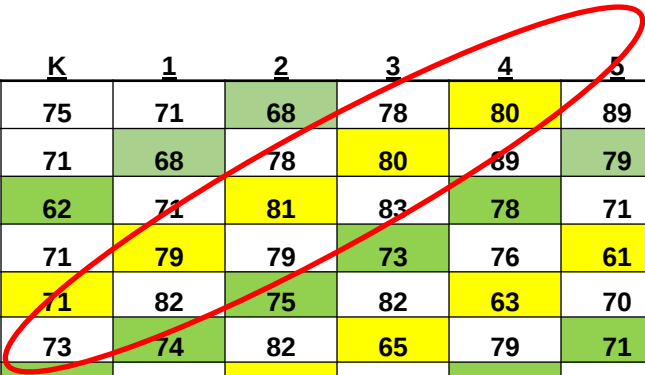
Enrollment Report

October 24, 2017

Executive Summary

Regression analysis continues to be effective in estimating gross numbers of students at different grade levels but not as accurate as predicting sections at the elementary level.

Therefore rolling the numbers forward to the next grade level seems to be the most effective method of predicting sections



	Tok.	PreK	K	1	2	3	4	5	
EST	10.1.18	23	75	71	68	78	80	89	484
	10.1.17	25	71	68	78	80	89	79	490
	10.1.16	29	62	71	81	83	78	71	475
	10.1.15	31	71	79	79	73	76	61	470
	10.1.14	41	71	82	75	82	63	70	484
	10.1.13	34	73	74	82	65	79	71	478
	10.1.12	42	73	86	68	88	72	65	494
	10.1.11	48	81	71	76	71	65	72	484

3 models to review

- Darien Public Schools
2018-2019
Enrollment and Section Projection
Projected for October 1, 2018**

	9	10	11	12	Total	
DHS	366	343	355	336	1400	Roll
	366	335	353	338	1392	Persist
	398	353	332	338	1421	M/M Study

Variance

Housing Developments Impacting Enrollment

Heights

Elementary District / Royle Elementary

34 One Bedroom Units

54 Two Bedroom Units

18 Three Bedroom Units

2 Three Bedroom / West Ave

Enrolled in our Schools

Heights	DHS	MMS	Royle	Total
1-Oct-17	8	14	31	53
1-Oct-16	6	14	27	47
1-Oct-15	4	10	32	46
1-Oct-14	10	10	28	48
1-Oct-13	6	3	15	24

Kensett

Elementary District / Ox Ridge Elementary

62 Unit Development

Enrolled in our Schools

Kensett	DHS	MMS	Ox Ridge	Total
1-Oct-17	6	12	15	33
1-Oct-16	2	8	14	24
1-Oct-15	3	7	17	27
1-Oct-14				12
1-Oct-13				5

Housing Developments

Long Term Projects

Corbin Block

Potential of 66 units

32 Students

District = Tokeneke

Palmer Development

Potential of 59 units

29 Students

District = Royle

.486 Students Per Unit

Federal Realty

Potential of 122 units

59 Students

District = Royle

Estimated
53% Elementary
24% Middle School
23% High School

Elementary Class Size Criteria

The Darien Board of Education Class Size Guidelines Follow:

1977

Recommended Maximum

K	20	25
1	22	27
2	22	27
3	25	30
4	25	30
5	25	30

1984

Recommended Maximum

K	20	25
1	20	25
2	22	27
3	22	27
4	25	30
5	25	30

1987

Recommended Optimal Maximum

K	19	20-22	23
1	19	20-22	23
2	20	21-24	25
3	20	21-24	25
4	21	22-25	26
5	21	22-25	26

2016

Low End Optimal High End

K	18	19-21	22
1	18	19-21	22
2	19	20-22	23
3	19	20-22	23
4	20	21-23	24
5	20	21-23	24

Kindergarten Enrollment

The gap between birth rate and K enrollment has decreased

This year, K projections came from the M/M Analysis

M/M Kindergarten Projection

Medium K Enrollment Growth

Estimated Actual Difference

2016-17	350	368	18
2017-18	347	338	-9
2018-19	355		
2019-20	388		
2020-21	382		
2021-22	378		
2022-23	376		

Darien Enrollment Projections

School Year	Birth Year	Births	ELP PK	K
2007-08	2002	260	42	395
2008-09	2003	266	52	365
2009-10	2004	280	61	423
2010-11	2005	270	66	378
2011-12	2006	253	74	384
2012-13	2007	254	64	389
2013-14	2008	226	65	399
2014-15	2009	222	79	375
2015-16	2010	199	74	362
2016-17	2011	179	70	368
2017-18	2012	176	90	338
Projected				
2018-19	2013	173	90	355
2019-20	2014	198	90	389
2020-21	2015	181	90	382
2021-22	2016	179	90	378
2022-23	2017	179	90	376

Enrollment Report

Darien Enrollment Projections																					
School	Birth	ELP															ELP				K-5
Year	Year	Births	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	PK	K-5	6-8	9-12	Total
2013-14	2008	226	65	399	384	388	371	430	372	366	381	382	347	345	329	336	65	2344	1129	1357	4,830
2014-15	2009	222	79	375	405	380	392	365	408	381	374	369	372	335	334	330	79	2325	1124	1371	4,820
2015-16	2010	199	74	362	372	399	379	380	356	417	374	376	339	352	330	337	74	2248	1167	1358	4,773
2016-17	2011	179	70	368	353	374	398	377	363	356	405	372	351	329	344	332	70	2233	1133	1356	4,722
2017-18	2012	176	90	338	363	358	367	399	378	370	357	396	343	355	336	344	77	2203	1123	1378	4,704

Increase of 18
Students

Actual Enrollment October 1, 2017 (Elementary)

Enrollment

School	ELP	K	1	2	3	4	5	Total
Hindley		69	81	71	87	80	86	474
Holmes		73	86	66	87	80	78	470
Ox Ridge	18	63	72	71	55	87	79	445
Royle	34	62	56	72	58	63	56	401
Tokeneke	25	71	68	78	80	89	79	490
	77	338	363	358	367	399	378	2280

Classroom Sections

School	ELP	K	1	2	3	4	5	Total
Hindley		3	4	4	4	4	4	23
Holmes		4	4	3	4	4	4	23
Ox Ridge	2	3	4	4	3	4	4	24
Royle	4	3	3	4	3	3	3	23
Tokeneke	2	4	4	4	4	4	4	26
	8	17	19	19	18	19	19	119



Section Changes from Previous Year

School	ELP	K	1	2	3	4	5	Total
Hindley	0	-1	1	0	0	0	0	0
Holmes	0	0	0	-1	0	0	1	0
Ox Ridge	0	-1	0	1	-1	0	0	-1
Royle	1	0	-1	1	0	0	0	1
Tokeneke	-1	1	0	0	0	0	1	1
	0	-1	0	1	-1	0	2	1

Actual Enrollment October 1, 2017 (Secondary)

Enrollment					
Grade		6	7	8	Total
Middlesex		370	357	396	1123

Grade	9	10	11	12	Total
DHS	343	355	336	344	1378

Middle School

October 1st Projected 1,124 students (difference of -1)

High School

October 1st Projected 1,375 (difference of 3)



October 1, 2018/19 Projection

Elementary

Enrollment

School	ELP	K	1	2	3	4	5	Total
Hindley		75	69	81	71	87	80	463
Holmes		74	73	86	66	87	80	466
Ox Ridge	23	65	63	72	71	55	87	436
Royle	44	66	62	56	72	58	63	421
Tokeneke	23	75	71	68	78	80	89	484

90 355 338 363 358 367 399 2270 Roll

90 355 333 363 355 363 390 2249 Persist

90 355 350 348 361 371 384 2259 M/M Study

Classroom Sections

School	ELP	K	1	2	3	4	5	Total
Hindley	0	4	4	4	4	4	4	24
Holmes	0	4	4	4	3	4	4	23
Ox Ridge	2	3	3	4	4	3	4	23
Royle	4	3	3	3	4	3	3	23
Tokeneke	2	4	4	3	4	4	4	25

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Potential to add 5 additional sections with an absorption rate of 4.

(Grey highlights below)

Sections are projected to decrease by 1.

Absorption Rate (Factor 4)							
School	ELP	K	1	2	3	4	5
Hindley		14.0	20.0	12.0	22.0	10.0	17.0
Holmes		15.0	16.0	7.0	4.0	10.0	17.0
Ox Ridge		2.0	4.0	21.0	22.0	18.0	10.0
Royle		1.0	5.0	14.0	21.0	15.0	10.0
Tokeneke		14.0	18.0	2.0	15.0	17.0	8.0

October 1, 2018/19 Projection

Secondary

Enrollment Projection

School	6	7	8	Total	
Middlesex	378	370	357	1105	Roll
	383	364	354	1101	Persist
	373	389	357	1119	M/M Study

MMS = Projected decrease in enrollment by 18 students.

DHS = Projected increase in enrollment by 22 students.

	9	10	11	12	Total	
DHS	366	343	355	336	1400	Roll
	366	335	353	338	1392	Persist
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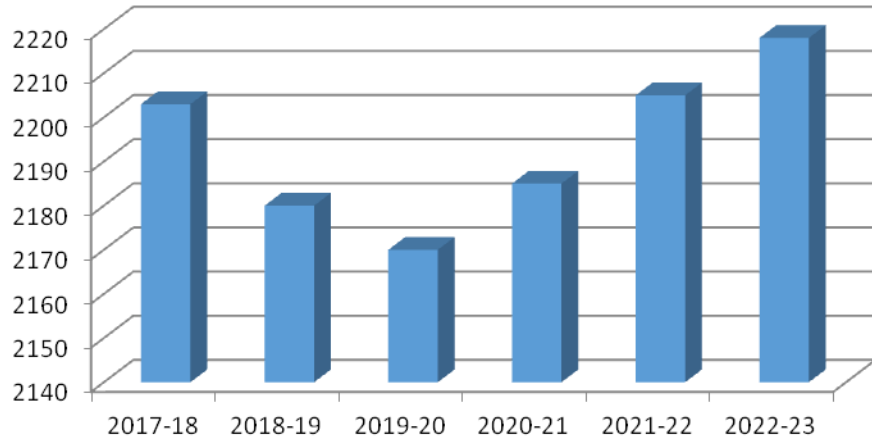
October 1, 2018/19 Projection

Elementary /Secondary

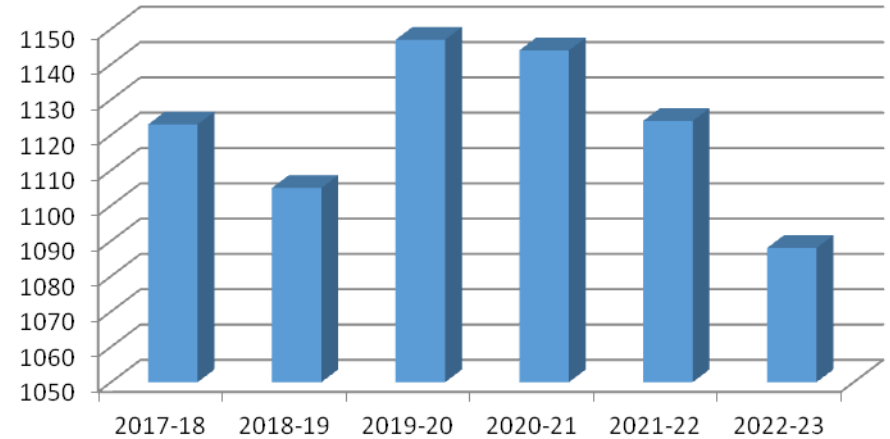
Enrollment K-12 Excluding ELP				ACT 2017-2018	EST 2018-2019	Variance
Elementary Schools	K-5			2203	2180	(23)
Middle School	6-8			1123	1105	(18)
High School	9-12			1378	1400	22
Total Excluding ELP				4704	4685	(19)
ELP				77	90	
Total				4781	4775	

2017-2023

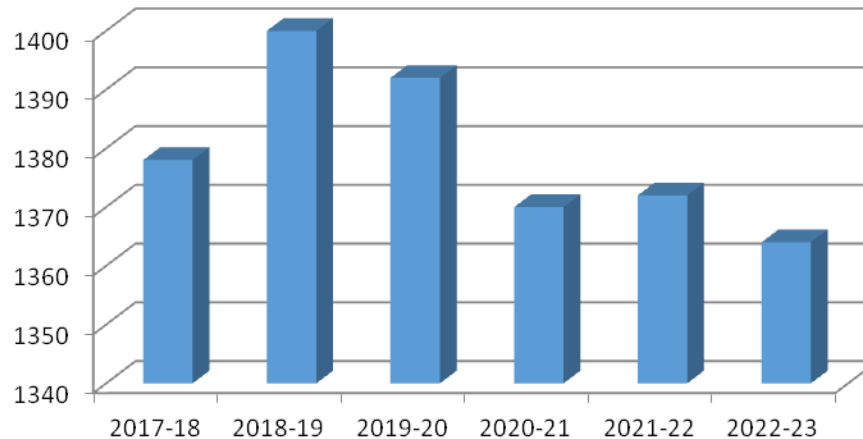
Elementary



Middle School



High School



Questions