

## The School District of South Orange-Maplewood

### Enrollment Projection and Facility Review

Ross Haber and Associates  
October, 2016



#### Executive Summary

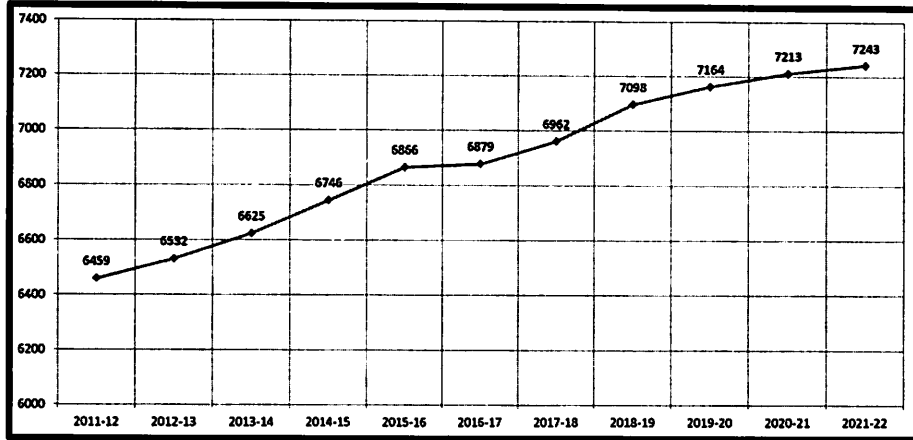
- From 2011-12 (base year) the total enrollment in the South Orange Maplewood schools has increased by 6.58%. The enrollment is projected to grow through the projected year (2021-22) by an additional 4.04%.
- The K-5 enrollment grew from the base year by 6.79%. This K-5 enrollment is projected to remain stable with a growth rate of less than 1% during the projected period. However, the stability is at the point where each elementary school is at capacity. In addition, there are a total of 245 students from five of the elementary schools who attend the Demonstration School.
- The middle schools grew by 10.6% from the base year to the current school year. The middle schools are projected to increase by 8.42% through the projected year.
- The high school grew by 4.49% from the base year to the current year. It is projected that the high school will increase by an additional 7.55% through the projected year.

<b>Ten Year Growth</b>							
	<b>2011</b>	<b>2016</b>	<b>Diff</b>	<b>Percent</b>	<b>2021</b>	<b>Diff</b>	<b>Percent</b>
<b>District</b>	6532	6962	430	6.58%	7243	281	4.04%
<b>K-5</b>	3153	3367	214	6.79%	3371	4	0.12%
<b>6-8</b>	1416	1567	151	10.66%	1699	132	8.42%
<b>9-12</b>	1850	1933	83	4.49%	2079	146	7.55%
<b>PK 3</b>		56	56		56	0	
<b>PK 4</b>		20	29		39	10	

#### What is driving this growth

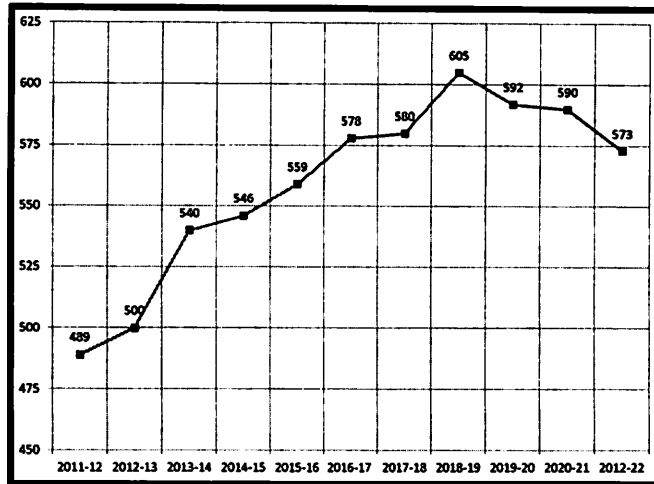
- Since July, 2014 546 homes have been sold in South Orange while at the same time 843 homes were sold in Maplewood. Since the 2013-14 school year 335 pre-K-12 students have entered the District. There are possibly within those homes a number of pre-K students who are either not attending any school or are in private schools. There are currently 148 homes for sale in South Orange and 186 in Maplewood.
- There has been some new multi-family housing units constructed in South Orange since 2014. However it does not appear that these units have generated students to the school district, however, it may be that there are people who wish to sell their homes but want to remain in South Orange may be purchasing some of these units thus opening up more opportunities for young families to purchase homes.
- There are approximately 235 multi-family units being built in Maplewood. It appears that most of these are rentals and are similar to Transit Village apartments (it appears that they are rental units). They do not appear to be the type of units which will attract families and thus impact the schools.

District-Wide PK 12 Enrollment History and Projection



Elementary Schools

Clinton Elementary School

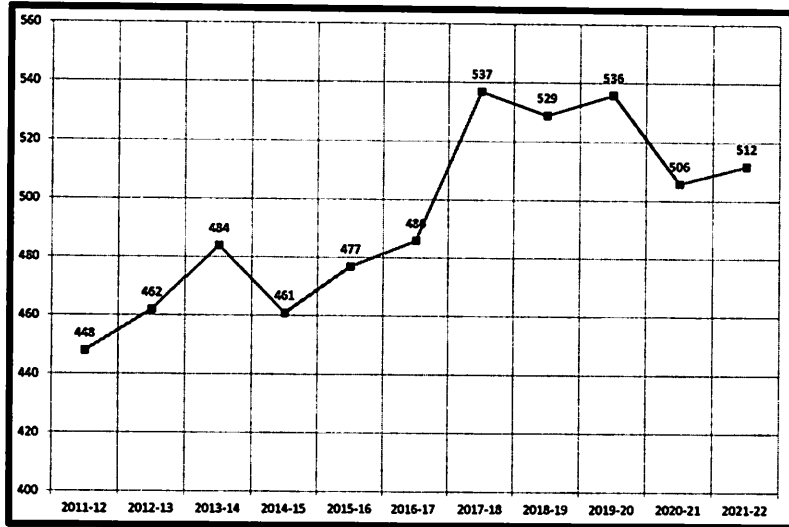


Clinton Utilization

Clinton ES	2017-18	Rooms	Actual	Average Class Size	Clinton ES	2018-19	Rooms	Actual	Average Class Size	Clinton ES	2019-20	Rooms	Actual	Average Class Size
KG	91	4.33	5	18	KG	96	4.57	5	19	KG	93	4.43	5	19
1	92	4.38	4	23	1	98	4.67	4	25	1	95	4.32	4	24
2	112	5.33	5	22	2	91	4.33	4	23	2	97	4.82	4	24
3	95	4.32	4	24	3	114	5.43	5	23	3	112	5.33	5	22
4	108	4.70	5	22	4	97	4.22	4	24	4	96	4.28	5	20
5	82	3.37	4	21	5	109	4.74	5	22	5	92	4.00	4	23
Spec Ed		2.00	2		Spec Ed		2.00	2		Spec Ed		2.00	2	
Total	580	18.93	29	22	Total	605	18.45	29	23	Total	587	18.74	29	22
Available Rms			27		Available Rms			27		Available Rms			27	
Diff			-2		Diff			-2		Diff			-2	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	
Clinton ES	2020-21	Rooms	Actual	Average Class Size	Clinton ES	2011-22	Rooms	Actual	Average Class Size	The total number of class rooms is based upon 23 in the building plus 4 portables.				
KG	95	4.32	5	19	KG	93	4.43	5	19					
1	92	4.34	4	23	1	95	4.32	4	24					
2	94	4.48	4	24	2	93	4.43	4	23					
3	96	4.57	4	24	3	95	4.32	4	24					
4	97	4.22	4	24	4	100	4.35	4	25					
5	116	5.04	5	23	5	97	4.22	4	24					
Spec Ed		2.00	2		Spec Ed	0	2.00	2						
Total	590	17.65	28	23	Total	573	17.82	27	23					
Available Rms			27		Available Rms			27						
Diff			-1		Diff			0						
Art			1		Art			0						
Music			1		Music			1						

There are currently 95 students who reside in the Clinton attendance zone who attend Seth Boyden

Jefferson Elementary School



Jefferson Utilization

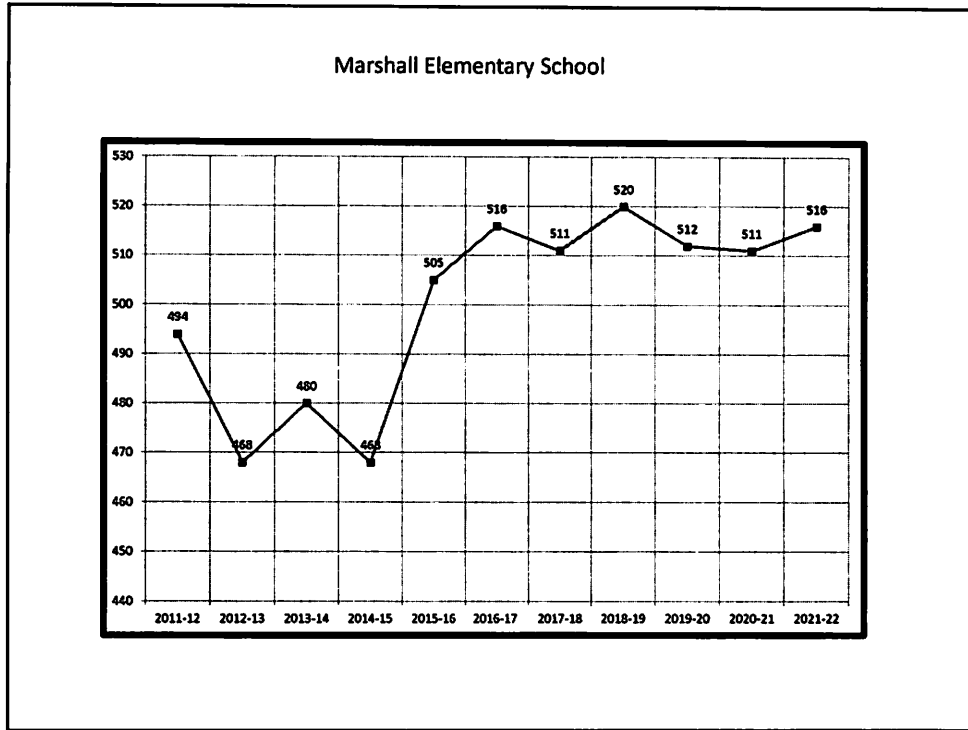
Jefferson	2017-18 Rooms	Actual	Average Class Size	Jefferson	2018-19 Rooms	Actual	Average Class Size	Jefferson	2019-20 Rooms	Actual	Average Class Size			
3	202	9.62	8	25	3	164	7.81	7	23	3	174	8.29	8	22
4	163	7.09	7	23	4	196	8.52	8	25	4	162	7.04	6	27
5	172	7.48	7	25	5	169	7.35	7	24	5	200	8.70	8	25
Spec Ed	0	3.00	2	0	Spec Ed	0	3.00	2	0	Spec Ed	0	3.00	2	0
<b>Total</b>	<b>537</b>	<b>7.62</b>	<b>24</b>	<b>24</b>	<b>Total</b>	<b>529</b>	<b>7.63</b>	<b>24</b>	<b>24</b>	<b>Total</b>	<b>536</b>	<b>7.53</b>	<b>24</b>	<b>25</b>
Available Rms			22		Available Rms			22		Available Rms			22	
Diff			-2		Diff			-2		Diff			-2	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	

Jefferson	2020-21 Rooms	Actual	Average Class Size	Jefferson	2021-22 Rooms	Actual	Average Class Size		
3	172	8.19	8	22	3	172	8.19	8	22
4	170	7.39	7	24	4	165	7.17	7	24
5	164	7.13	7	23	5	175	7.61	7	25
Spec Ed		3.00	2	0	Spec Ed	0	3.00	2	0
<b>Total</b>	<b>506</b>	<b>7.58</b>	<b>24</b>	<b>23</b>	<b>Total</b>	<b>512</b>	<b>7.56</b>	<b>24</b>	<b>23</b>
Available Rms			22		Available Rms			22	
Diff			-2		Diff			-2	
Art			1		Art			1	
Music			1		Music			1	

There are 22 full sized classrooms in Jefferson. All 22 are being used for general education students. There are 2 self-contained classes. These should be in full sized rooms but are currently in smaller rooms. These are mandated to have limited enrollments. The building is currently at capacity.

There are currently 10 students who reside in the Jefferson attendance zone who attend Seth Boyden



### Marshall Utilization

Marshall	2017-18	Rooms	Actual	Average Class Size	Marshall	2018-19	Rooms	Actual	Average Class Size	Marshall	2019-20	Rooms	Actual	Average Class Size
KG	167	7.95	8	21	KG	165	7.85	8	21	KG	168	8.00	8	21
1	181	8.62	8	23	1	171	8.14	8	21	1	171	8.14	8	21
2	163	7.76	7	23	2	184	8.76	8	23	2	173	8.24	8	22
Spec Ed	0	4.00	2	0	Spec Ed	0	4.00	2	0	Spec Ed	0	4.00	2	0
<b>Total Available Rms</b>	<b>511</b>	<b>16.38</b>	<b>25</b>	<b>22</b>	<b>Total Available Rms</b>	<b>520</b>	<b>16.90</b>	<b>25</b>	<b>22</b>	<b>Total Available Rms</b>	<b>512</b>	<b>16.38</b>	<b>25</b>	<b>21</b>
Diff			0		Diff			-1		Diff			-1	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	

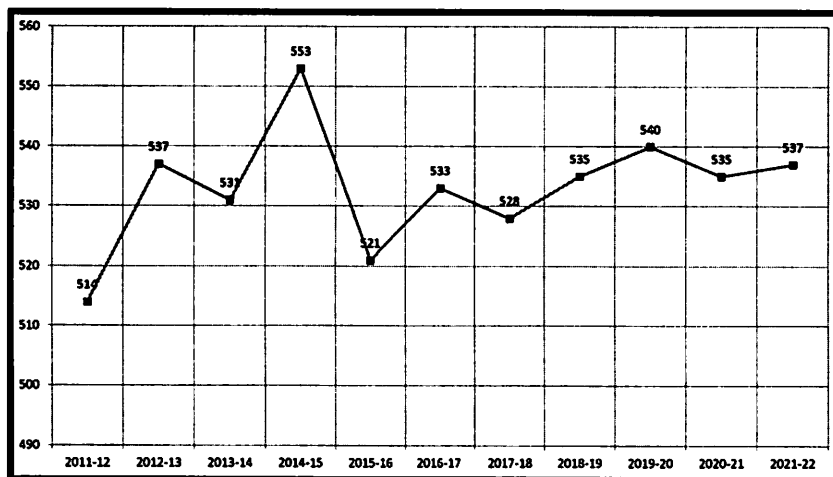
  

Marshall	2020-21	Rooms	Actual	Average Class Size	Marshall	2021-22	Rooms	Actual	Average Class Size
KG	166	7.90	8	21	KG	168	8.00	8	21
1	172	8.19	8	22	1	173	8.24	8	22
2	173	8.24	8	22	2	175	8.33	8	22
Spec Ed	0	3.00	2	0	Spec Ed	0	3.00	2	0
					PK				
<b>Total Available Rms</b>	<b>511</b>	<b>16.43</b>	<b>26</b>	<b>21</b>	<b>Total Available Rms</b>	<b>516</b>	<b>16.37</b>	<b>26</b>	<b>22</b>
Diff			-1		Diff			-1	
Art			1		Art			1	
Music			1		Music			1	

This is based upon 23 classrooms in the building and 2 portables.

There are currently 41 students who reside in the Marshall attendance zone who attend Seth Boyden

### Seth Boyden Elementary School



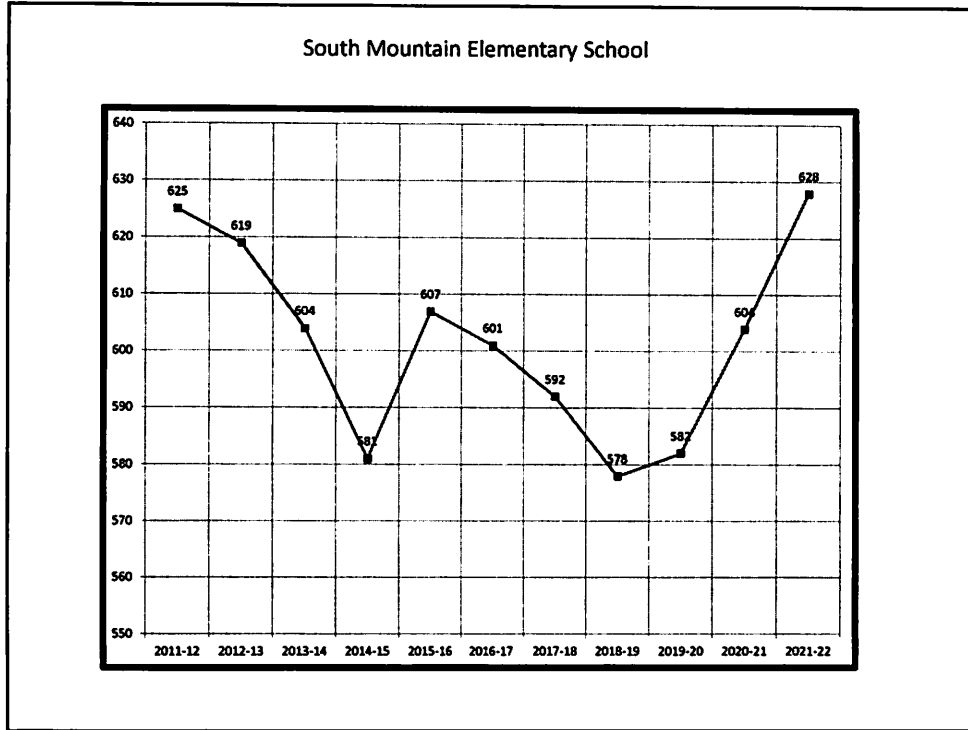
### Seth Boyden Utilization

Boyd	2017-18	Rooms	Actual	Average Class Size	Boyd	2018-19	Rooms	Actual	Average Class Size	Boyd	2019-20	Rooms	Actual	Average Class Size
KG	88	4.19	4	22	KG	89	4.24	4	22	KG	89	4.24	4	22
1	83	3.95	4	21	1	92	4.38	4	23	1	94	4.48	5	19
2	83	3.95	4	21	2	85	4.05	4	21	2	91	4.43	4	23
3	95	4.52	5	19	3	81	3.86	4	20	3	86	4.10	4	22
4	93	4.04	5	19	4	95	4.15	5	19	4	83	3.61	4	21
5	86	3.74	4	22	5	93	4.04	5	19	5	95	4.13	5	19
<b>Total</b>	<b>528</b>	<b>16.47</b>	<b>26</b>	<b>20</b>	<b>Total</b>	<b>535</b>	<b>16.42</b>	<b>26</b>	<b>21</b>	<b>Total</b>	<b>540</b>	<b>16.61</b>	<b>26</b>	<b>21</b>
Available Rms			26		Available Rms			26		Available Rms			26	
Diff			0		Diff			0		Diff			0	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	

Boyd	2020-21	Rooms	Actual	Average Class Size	Boyd	2021-22	Rooms	Actual	Average Class Size
KG	86	4.10	4	22	KG	86	4.10	4	22
1	92	4.38	5	18	1	90	4.29	5	18
2	96	4.57	5	19	2	91	4.33	5	18
3	93	4.43	4	23	3	93	4.43	4	23
4	87	3.78	4	22	4	92	4.00	4	23
5	81	3.52	4	20	5	85	3.70	4	21
<b>Total</b>	<b>535</b>	<b>17.16</b>	<b>26</b>	<b>21</b>	<b>Total</b>	<b>537</b>	<b>17.05</b>	<b>26</b>	<b>21</b>
Available Rms			26		Available Rms			26	
Diff			0		Diff			0	
Art			1		Art			1	
Music			1		Music			1	

Seth Boyden has 20 classrooms plus 6 portable units for a total of 26 classrooms. Approximately 245 students attend the Demonstration School from the other attendance zones. Fifty-five students attend schools outside of the Seth Boyden attendance zone of which 50 are special needs and 12 are for language. There are 15 additional students attending other schools.



### South Mountain Utilization

So Mtn	2017-18	Rooms	Actual	Average Class Size	So Mtn	2018-19	Rooms	Actual	Average Class Size	So Mtn	2019-20	Rooms	Actual	Average Class Size
KG	96	4.57	5	19	KG	94	4.48	5	19	KG	95	4.52	5	19
1	101	4.81	5	20	1	98	4.67	5	20	1	97	4.62	5	19
2	104	4.95	5	21	2	100	4.76	5	20	2	96	4.57	5	19
3	86	4.10	4	22	3	106	5.05	5	21	3	103	4.90	5	21
4	96	4.17	5	19	4	86	3.74	4	22	4	105	4.57	5	21
5	109	4.74	5	22	5	94	4.09	5	19	5	86	3.74	4	22
Total	592	18.03	29	20	Total	578	18.22	29	20	Total	582	18.66	29	20
Available Rms			28		Available Rms			28		Available Rms			28	
Diff			-1		Diff			-1		Diff			-1	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	

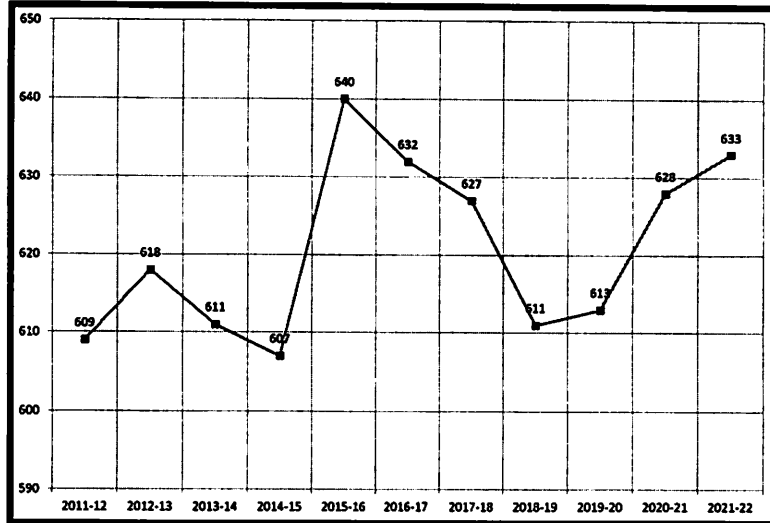
So Mtn	2020-21	Rooms	Actual	Average Class Size	So Mtn	2021-22	Rooms	Actual	Average Class Size
KG	95	4.52	5	19	KG	93	4.43	5	19
1	92	4.38	5	18	1	95	4.52	5	19
2	94	4.48	5	19	2	93	4.43	4	23
3	96	4.57	5	19	3	95	4.52	5	19
4	97	4.22	4	24	4	100	4.35	4	25
5	116	5.04	5	23	5	97	4.22	5	19
Total	590	17.65	29	20	Total	573	17.82	28	21
Available Rms			28		Available Rms			28	
Diff			-1		Diff			0	
Art			1		Art			1	
Music			1		Music			1	

The 28 classrooms include the Annex.

There are currently 30 students who reside in the South Mountain attendance zone who attend Seth Boyden



Tuscan Elementary School



Tuscan Utilization

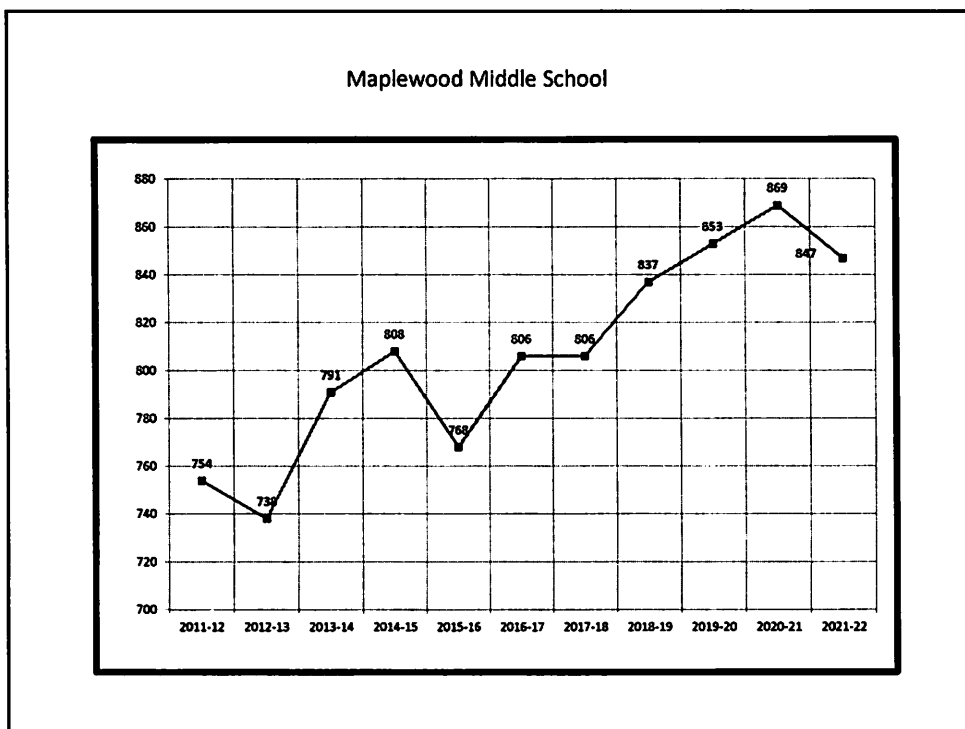
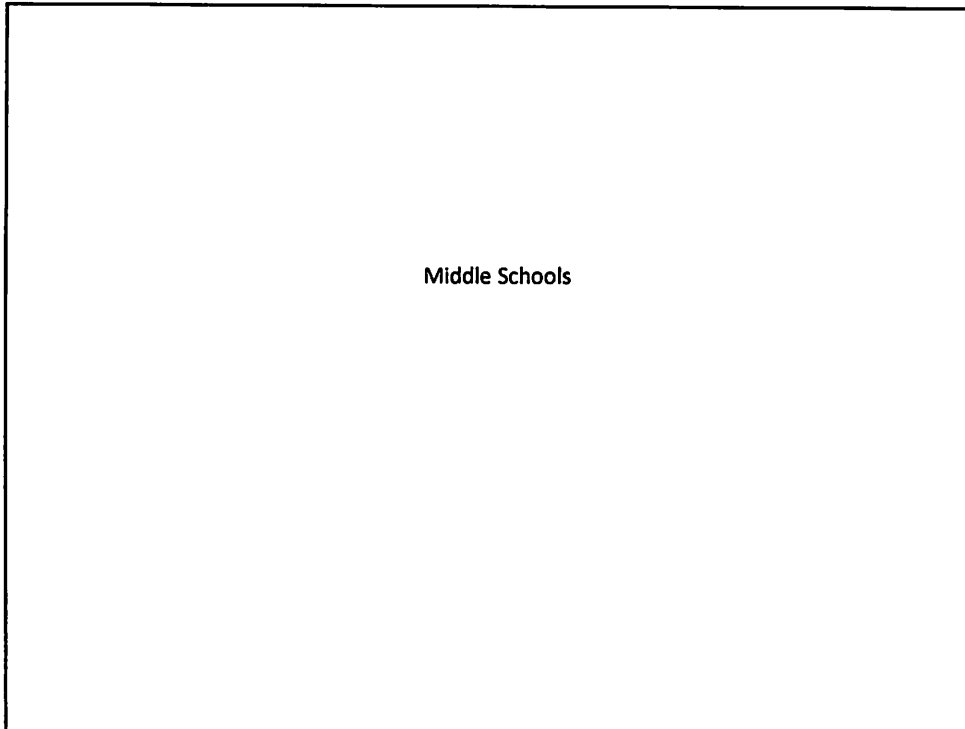
Tuscan	2017-18 Rooms	Actual	Average Class Size	Tuscan	2018-19 Rooms	Actual	Average Class Size	Tuscan	2019-20 Rooms	Actual	Average Class Size			
KG	107	5.10	5	21	KG	104	4.95	5	21	KG	103	4.90	5	21
1	109	5.19	5	22	1	107	5.10	5	21	1	108	5.14	5	22
2	108	5.14	5	22	2	108	5.14	5	22	2	109	5.19	5	22
3	90	4.29	4	23	3	104	4.95	5	21	3	106	5.05	5	21
4	101	4.39	5	20	4	87	3.78	4	22	4	100	4.35	5	20
5	112	4.87	5	22	5	101	4.39	5	20	5	87	3.78	4	22
<b>Total</b>	<b>627</b>	<b>19.01</b>	<b>29</b>	<b>22</b>	<b>Total</b>	<b>611</b>	<b>18.97</b>	<b>29</b>	<b>21</b>	<b>Total</b>	<b>613</b>	<b>19.73</b>	<b>29</b>	<b>21</b>
Available Rms			29		Available Rms			29		Available Rms			29	
Def			0		Def			0		Def			0	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	

Tuscan	2019-20 Rooms	Actual	Average Class Size	Tuscan	2021-22 Rooms	Actual	Average Class Size		
KG	105	5.00	5	21	KG	106	5.05	5	21
1	110	3.24	5	22	1	108	5.14	5	22
2	106	5.05	5	21	2	106	5.05	5	21
3	105	5.00	5	21	3	105	5.00	5	21
4	102	4.43	5	20	4	103	4.48	5	21
5	100	4.35	4	25	5	105	4.57	5	21
<b>Total</b>	<b>628</b>	<b>19.72</b>	<b>29</b>	<b>22</b>	<b>Total</b>	<b>633</b>	<b>19.67</b>	<b>30</b>	<b>21</b>
Available Rms			29		Available Rms			29	
Def			0		Def			-1	
Art			1		Art			1	
Music			1		Music			1	

In addition to the 69 students who attend the Demonstration School there are another 53 students who attend schools outside of the Tuscan attendance zone. There are far more K-5 students in the Tuscan attendance zone than can be accommodated within the school.

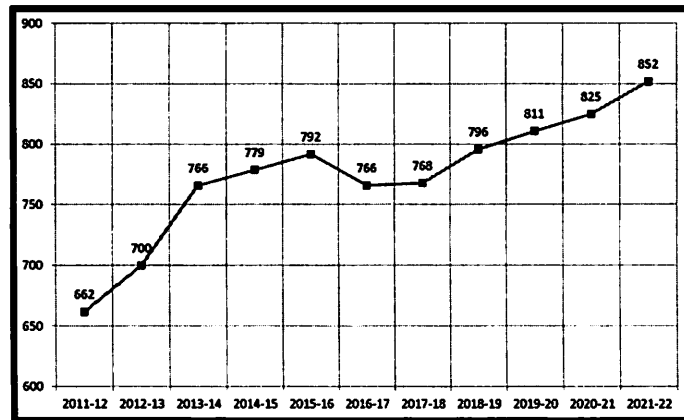
There are currently 69 students who reside in the Tuscan attendance zone who attend Seth Boyden.



Maplewood Middle School

Maplewood Middle School			
	6	7	8
English	12	12	12
2016-17	247	231	284
CISz	21	19	24
2021-22	284	273	290
CISz	24	23	24
Math	12	12	12
2016-17	247	231	284
CISz	21	19	24
2021-22	284	273	290
CISz	24	23	24
Social St	11	11	11
2016-17	247	231	284
CISz	22	21	26
2021-22	284	273	290
CISz	26	25	26
Science	11	11	11
2016-17	247	231	284
CISz	22	21	26
2021-22	284	273	290
CISz	26	25	26

South Orange Middle School



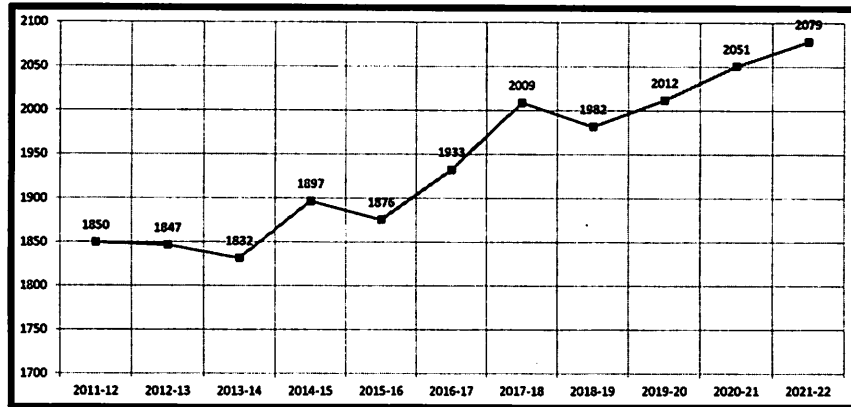
South Orange Utilization

South Orange Middle School

	6	7	8
English	12	12	12
2016-17	262	243	261
CISz	22	20	22
2021-22	286	275	291
CISz	24	23	24
Math	12	12	12
2016-17	262	243	261
CISz	22	20	22
2021-22	286	275	291
CISz	24	23	24
Social St	11	11	11
2016-17	262	243	261
CISz	24	22	24
2021-22	286	275	291
CISz	26	25	26
Science	11	11	11
2016-17	262	243	261
CISz	24	22	24
2021-22	286	275	291
CISz	26	25	26

Columbia High School

## Columbia High School



## Conclusions and Remaining Tasks

- This presentation, at the elementary school level looked at the current use of full sized classrooms in each of the elementary schools. It appears that most of the schools are fully utilized and will see a shortfall of classrooms during the next five years. This shortfall might necessitate increases in class sizes as there is little room for growth in most of the schools.
- There are numbers of programs which are in either small classrooms or are in shared spaces. These programs include, but are not limited to resource rooms, speech, physical and occupational therapy, in some cases self-contained classrooms, ELL programs and others.
- The building principals have been exceptionally creative in finding spaces for these programs but at some point there will be limitations.
- The middle schools are showing continued growth. The projections show that class sizes are increasing.
- We need to further review the high school schedule to compare it to space needs. It is our understanding, however, that at this point class sizes in some cases at the high school are near or approaching 30 students per class.