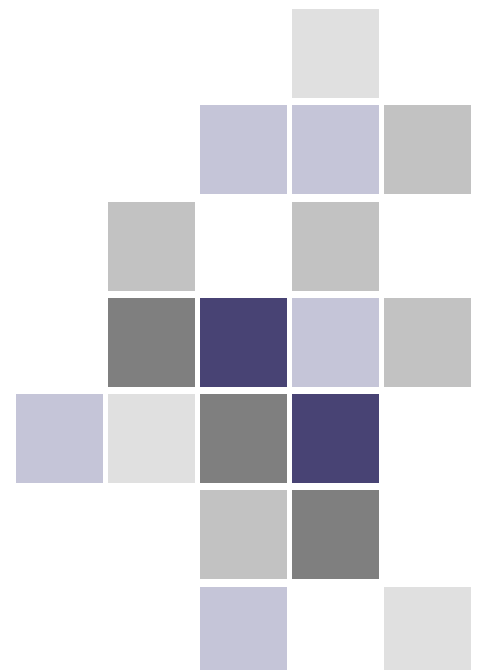


JANUARY 10, 2019



APPENDIX B

GCS SPACE GUIDELINES AND CAPACITY



Appendix B
Guilford County Schools
Capacity Model Guidelines

GCS CAPACITY MODEL GUIDELINES		
ROOM TYPE	2018 STATE MAX LOADING FACTOR (STUDENTS/TEACHER)*	LOCAL MAX LOADING FACTOR (STUDENTS/ROOM)
Pre-Kindergarten	18	18
General classroom grades K	23	30
General classroom grades 1	23	30
General classroom grades 2	23	30
General classroom grades 3	23	30
General classroom grades 4	30	30
General classroom grades 5	30	30
General classroom grades 6-8	30	30
General classroom grades 9-12	30	30
Science (6-8)	30	30
Science (9-12)	30	30
Science Chemistry (9-12)	SF of classroom/60 SF per student	SF of classroom/60 SF per student
CTE 1400 SF (6-8)	(SF of classroom/1400 SF standard) *20 SF per student	(SF of classroom/1400 SF standard) *20 SF per student
CTE 2400 SF (6-8)	(SF of classroom/2400 SF standard) *20 SF per student	(SF of classroom/2400 SF standard) *20 SF per student
CTE Business/Office Education (9-12) (Typ. 1600 Sq.Ft.)	(SF of classroom/1600 SF standard) *30 SF per student	(SF of classroom/1600 SF standard) *30 SF per student
CTE 2000 SF (9-12)	(SF of classroom/2000 SF standard) *20 SF per student	(SF of classroom/2000 SF standard) *20 SF per student
CTE 2500 SF (9-12)	(SF of classroom/2500 SF standard) *20 SF per student	(SF of classroom/2500 SF standard) *20 SF per student
CTE 3500 SF (9-12)	(SF of classroom/3500 SF standard) *20 SF per student	(SF of classroom/3500 SF standard) *20 SF per student
Dance/Drama (6-8)	30	30
Music/Chorus (6-8)	30	30
Orchestra (6-8)	30	30
Band (6-8)	50	50
Art (6-8)	30	30
P.E. (6-8)	30	30
Health (6-8)	30	30
Dance/Drama (9-12)	30	30
Music/Chorus (9-12)	40	40
Orchestra (9-12)	40	40
Band (9-12)	60	60

Appendix B
Guilford County Schools
Capacity Model Guidelines Continued

GCS CAPACITY MODEL GUIDELINES		
ROOM TYPE	2018 STATE MAX LOADING FACTOR (STUDENTS/TEACHER)*	LOCAL MAX LOADING FACTOR (STUDENTS/ROOM)
Art (9-12)	30	30
P.E. (9-12)	30	30
JROTC (9-12)	30	30
Health (9-12)	30	30
Computer Lab	0	0
K-12 Adapted Curriculum	12	12
K-5 Resource (pull-out)	0	0
6-12 Resource (pull-out)	0	0

*K-3 State max decreases for the 2019 school year, and will continue to decrease until 2021. State max student to teacher ratio applies only to grades K-3. Source: North Carolina General Assembly House Bill 90 / S.L. 2018-2

Appendix B
Guilford County Schools
Elementary School Capacity Calculation Example

<u>Description</u>			
	<u># of Classrooms</u>	<u>Local Max</u>	<u>Capacity</u>
Pre-K	2	18	36
EC Self-Contained	2	12	24
K	5	30	150
1	5	30	150
2	5	30	150
3	5	30	150
4	5	30	150
5	4	30	120
	33		930
<u>Encore Classrooms</u>			
Art	1	~	~
Music	1	~	~
Comp Lab	1	~	~
PE	1	~	~
	4		
<u>Other Classrooms</u>			
Resource Rooms	7	~	~
BUILT CAPACITY	44		930
TEMPORARY CAPACITY	6	30	180
TOTAL CAMPUS	50		1110
CORE CAPACITY			752

<u>Local Max</u>	<u>Capacity</u>
18	36
12	24
23	115
23	115
23	115
23	115
30	150
30	120
	790
~	~
~	~
~	~
~	~
~	~
	790
30	180
	970
	752

Appendix B

Guilford County Schools

Middle School Capacity Calculation Example

Description			
	# of Classrooms	Local Max	Capacity
EC Self-Contained	2	12	24
6	11	30	330
7	12	30	360
8	12	30	360
	37		1074
Encore Classrooms			
Art	1	~	~
Chorus	1	~	~
Band	1	~	~
Dance	0	~	~
Orchestra	0	~	~
Theatre	0	~	~
Comp Lab	1	~	~
Distance Learning Lab	1	~	~
PE	2	~	~
CTE	4	20	52
ISS	1	~	~
	12		52
Other Classrooms			
Resource Rooms	4	~	~
Foreign Language	2	30	60
Health	2	30	60
			120
BUILT CAPACITY	41		1246
TEMPORARY CAPACITY	5	30	150
TOTAL CAMPUS	46		1396
CORE CAPACITY			1075

CTE COURSE	RM #	Sq. Ft	Std. Sq. Ft	St. Cap	Capacity	Sq. Ft. Deficiency
Expl Life Skills	506	1,083	2400	20	9	-55%
Expl Tech w/Modeling Room	509	1465	2400	20	12	-39%
Expl Tech w/Modeling Room	511	1247	2400	20	10	-48%
Expl Bus/Mktg	505	1450	1400	20	20	4%
					52	
		Standard # of each	Standard sq. footage	# of CTE Offered	# of classrooms that meet standard sq. footage	Classroom surplus / deficit @ sq. type
		1	1400	1	1	0
		2	2400	3	0	(2)
	Total:	3		4	1	(2)

Appendix B
Guilford County Schools
High School Capacity Calculation Example

Description										
	# of Classrooms	Local Max	Capacity							
EC Self-Contained	1	12	12							
OCS	2	14	28							
9	8	30	240							
10	6	30	180							
11	7	30	210							
12	7	30	210							
Science/Lab Classrooms	8		224	TYPE	RM #	RM TYPE	EYE WASH	SHOWER	Sq. Ft	Capacity
Foreign Language	4	30	120	SCI RM	104	HS Sci LAB(Earth Science)	y	y	1120	30
Health	1	30	30	SCI RM	101	HS Sci LAB(Earth Science)	y	y	868	30
	44		1254	SCI RM	516	BIO Lab	y	y	1328	30
Encore Classrooms				SCI RM	514	BIO Lab	y	y	1328	30
Art	1	~	~	SCI RM	416	Chem Lab	y	y	1328	22
Drama	0	~	~	SCI RM	414	Chem Lab	y	y	1328	22
Chorus	0	~	~	SCI RM	316	HS Sci LAB(general Sci)	y	y	1328	30
Piano Lab	0	~	~	SCI RM	314	HS Sci LAB (general Sci)	y	y	1328	30
Dance	0	~	~						Total Science Labs	224
Orchestra	1	~	~							
Band	1	~	~							
Comp Lab	2	~	~							
Odyssey lab	1	~	~							
PE	2	~	~							
CTE	17	~	264	CTE COURSE	RM #	Sq. Ft	Std. Sq. Ft	St. Cap	Capacity	Sq. Ft. Deficiency
ROTC	0	~	~	Auto Tech	V01	3,975	3,500	20	20	14%
Wrestling RM	1	~	~	Aviation	V04	1,670	2,500	20	13	-33%
Weight RM	0	~	~	Aviation	304/305	1,768	2,500	20	14	-29%
	26		264	Aviation	V03	1,952	2,500	20	16	-22%
Other Classrooms				CTE business applications	108	848	1,600	30	16	-47%
				Health Sciences	407	870	2,500	20	7	-65%
Resource Rooms	5	~	~	CTE Carpentry shop	V02	2,904	3,500	20	17	-17%
BUILT CAPACITY	44		1518	CET/NET	506	870	2,500	25	9	-65%
TEMPORARY CAPACITY	0	30	0	CTE drafting	511/512	1,478	1,600	25	23	-8%
TOTAL CAMPUS	44		1518	FACS/ECE	111B/111B	2,081	1,600	20	20	30%
CORE CAPACITY			958	FACS/ECE	202	725	1,600	20	9	-55%
				Technology/Electronics	306	1,740	2,500	20	14	-30%
				Sci Vis/Game Art	505	2,610	1,600	20	20	63%
				CTE business applications	107	783	1,600	30	15	-51%
				Health Sciences	404/406	1,740	2,500	20	14	-30%
				CTE business applications	113	1,160	1,600	30	22	-28%
				CTE marketing	504	870	1,600	30	16	-46%
								390	264	
						Standard # of each	Standard sq. footage	# of CTE Offered	# of classrooms that meet standard sq. footage	Classroom surplus / deficit @ sq. type
						2	3500	2	1	(1)
						2	2500	7	0	(2)
						5	1600	8	2	(3)
						5	2000	0	0	(5)
				Total:		14		17	3	

Appendix B
Guilford County Schools
Core Capacity Calculation Example

Core Capacity Calculation

3,487	enter dining room area
14	required sf / student
3	# of servings (lunches)
249	# of students per lunch
747	Current core capacity
872	Expected Serving line sq footage