



Facilities Feasibility Study:

Middle School Capacity Analysis

Senior High School Capacity Analysis

OSSEO AREA SCHOOLS

ISD  **279**

Independent School District #279

11200 93rd Avenue North

Maple Grove, Minnesota 55369

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ARCHITECTS
ENGINEERS**



SUMMARY OF MIDDLE SCHOOL AND HIGH SCHOOL CAPACITY ANALYSIS

School Facility	Meets or Exceeds MDE Guidelines	
	<u>2017/18</u>	<u>2022/23</u>
Maple Grove Senior High School G.S.F.	Yes	No
Media Center	Yes	No
Cafeteria (3 Periods)	No	No
Osseo Senior High School G.S.F.	Yes	Yes
Media Center	Yes	Yes
Cafeteria (3 Periods)	No	No
Park Center Senior High School G.S.F.	Yes	Yes
Media Center	No	No
Cafeteria	Yes	No
Brooklyn Middle School G.S.F.	Yes	Yes
Media Center	Yes	Yes
Cafeteria	Yes	Yes
Maple Grove Middle School G.S.F.	Yes	Yes
Media Center	Yes	Yes
Cafeteria	Yes	Yes
North View Middle School G.S.F.	Yes	Yes
Media Center	Yes	Yes
Cafeteria	Yes	Yes
Osseo Middle School G.S.F.	Yes	Yes
Media Center	Yes	Yes
Cafeteria	Yes	Yes

Note: Assumption is that all buildings run 3 lunch periods.



MAPLE GROVE SENIOR HIGH SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	351,537 SF
2017/18 Enrollment:	2,270 Students
2017/18 SF/Student:	155 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
2,500 Students x 150-180 SF	375,000 SF – 450,000 SF

B. Core Support Spaces Analysis

1. Existing Media Center	8,106 SF
(Seating, Stacks, Computer Access, Reference)	
MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 40 SF	
2,270 students x 8%-10% x 40 SF	
182-227 students x 40 SF	7,280 SF - 9,080 SF
Media Center Entrance	+ <u>700 SF</u>
	7,980 SF - 9,780 SF
Future Media Center Need	
2,500 Students x 8% - 10% x 40 SF	
200-250 Students x 40 SF	8,000 SF – 8,800 SF
Media Center Entrance	+ <u>700 SF</u>
	8,700 SF – 9,500 SF
2. Existing Cafeteria	4,692 SF
MDE Guideline:	14-16 SF/Student
2,270 students / 3 periods = 757 students	
757 students x 14-16 SF	10,598 SF – 12,112 SF
Future Cafeteria Need	
2,500 Students / 3 periods = 834 Students	
834 Students x 14 – 16 SF	11,676 SF – 13,344 SF



OSSEO SENIOR HIGH SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	388,340 SF
2017/18 Enrollment:	2,076 Students
2017/18 SF/Student:	187 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
2,300 Students x 150-180 SF	345,000 SF – 414,000 SF

B. Core Support Spaces Analysis

1. Existing Media Center	8,392 SF
(Seating, Stacks, Computer Access, Reference)	

MDE Guideline (Seating, Stacks, Computer Access, Reference)
8%-10% of students x 40 SF

2,076 students x 8%-10% x 40 SF	
166-208 students x 40 SF	6,640 SF – 8,320 SF
Media Center Entrance	+ <u>700 SF</u>
	7,340 SF – 9,020 SF

Future Media Center Need	
2,300 Students x 8% - 10% x 40 SF	
184-230 Students x 40 SF	7,360 SF – 9,200 SF
Media Center Entrance	+ <u>700 SF</u>
	8,060 SF – 9,900 SF

2. Existing Cafeteria	6,941 SF
MDE Guideline:	14-16 SF/Student

2,076 students / 3 periods = 692 Students	
692 Students x 14-16 SF	9,688 SF – 11,072 SF

Future Cafeteria Need	
2,300 Students / 3 periods = 767 Students	
767 Students x 14 – 16 SF	10,738 SF – 12,272 SF



PARK CENTER SENIOR HIGH SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	414,926 SF
2017/18 Enrollment:	2,040 Students
2017/18 SF/Student:	204 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
2,300 Students x 150-180 SF	345,000 SF – 414,000 SF

B. Core Support Spaces Analysis

1. Existing Media Center **5,025 SF**
 (Seating, Stacks, Computer Access, Reference)

MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 40 SF	
2,040 students x 8%-10% x 40 SF	
164-204 students x 40 SF	6,560 SF – 8,160 SF
Media Center Entrance	+ <u>700 SF</u>
	7,260 SF – 8,860 SF

Future Media Center Need	
2,300 Students x 8% - 10% x 40 SF	
184-230 Students x 40 SF	7,360 SF – 9,200 SF
Media Center Entrance	+ <u>700 SF</u>
	8,060 SF – 9,900 SF

2. Existing Cafeteria **10,138 SF**

MDE Guideline:	14-16 SF/Student
2,040 students / 3 periods = 680 Students	
680 Students x 14-16 SF	9,520 SF – 10,880 SF

Future Cafeteria Need	
2,300 Students / 3 periods = 767 Students	
767 Students x 14 – 16 SF	10,738 SF – 12,272 SF



BROOKLYN MIDDLE SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	176,104 SF
2017/18 Enrollment:	1,015 Students
2017/18 SF/Student:	174 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
1,120 Students x 150-180 SF	168,000 SF – 201,600 SF

B. Core Support Spaces Analysis

1. Existing Media Center	3,921 SF
(Seating, Stacks, Computer Access, Reference)	
MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 35 SF	
1,015 students x 8%-10% x 35 SF	
83-102 students x 35 SF	2,905 SF – 3,570 SF
Media Center Entrance	<u>+ 700 SF</u>
	3,605 SF – 4,270 SF

Future Media Center Need	
1,120 Students x 8% - 10% x 35 SF	
90-112 Students x 35 SF	3,150 SF – 3,920 SF
Media Center Entrance	<u>+ 700 SF</u>
	3,850 SF – 4,620 SF

2. Existing Cafeteria	6,070 SF
MDE Guideline:	13-15 SF/Student
1,015 students / 3 periods = 339 students	
339 Students x 13-15 SF	4,407 SF – 5,085 SF
Future Cafeteria Need	
1,120 Students / 3 periods = 374 Students	
374 Students x 13-15 SF	4,862 SF – 5,610 SF



MAPLE GROVE MIDDLE SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	319,241 SF
2017/18 Enrollment:	1,721 Students
2017/18 SF/Student:	186 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
1,704 Students x 150-180 SF	255,600 SF – 306,720 SF

B. Core Support Spaces Analysis

1. Existing Media Center	6,252 SF
(Seating, Stacks, Computer Access, Reference)	
MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 35 SF	
1,721 students x 8%-10% x 35 SF	
138-172 students x 35 SF	4,830 SF – 6,020 SF
Media Center Entrance	<u>+ 700 SF</u>
	5,530 SF – 6,720 SF
Future Media Center Need	
1,704 Students x 8% - 10% x 35 SF	
136-170 Students x 35 SF	4,760 SF – 5,950 SF
Media Center Entrance	<u>+ 700 SF</u>
	5,460 SF – 6,650 SF
2. Existing Cafeteria	7,805 SF
MDE Guideline:	13-15 SF/Student
1,721 students / 3 periods = 574 students	
574 Students x 13-15 SF	7,462 SF – 8,610 SF
Future Cafeteria Need	
1,704 Students / 3 periods = 568 Students	
568 Students x 13-15 SF	7,384 SF – 8,520 SF



NORTH VIEW MIDDLE SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	186,448 SF
2017/18 Enrollment:	658 Students
2017/18 SF/Student:	283 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
640 Students x 150-180 SF	96,000 SF – 115,200 SF

B. Core Support Spaces Analysis

1. Existing Media Center	5,413 SF
(Seating, Stacks, Computer Access, Reference)	
MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 35 SF	
658 students x 8%-10% x 35 SF	
53-66 students x 35 SF	1,855 SF – 2,310 SF
Media Center Entrance	<u> 700 SF</u>
	2,555 SF – 3,010 SF
Future Media Center Need	
640 Students x 8% - 10% x 35 SF	
52-64 Students x 35 SF	1,820 SF – 2,240 SF
Media Center Entrance	<u> 700 SF</u>
	2,520 SF – 2,940 SF
2. Existing Cafeteria	5,396 SF
MDE Guideline:	13-15 SF/Student
658 students / 3 periods = 220 students	
220 Students x 13-15 SF	2,860 SF – 3,300 SF
Future Cafeteria Need	
640 students / 3 periods = 214 students	
214 Students x 13-15 SF	2,782 SF – 3,210 SF



OSSEO MIDDLE SCHOOL CAPACITY ANALYSIS

A. Square Footage Per Student

Existing Gross SF:	194,507 SF
2017/18 Enrollment:	1,042 Students
2017/18 SF/Student:	187 SF/Student
MDE Guideline:	150-180 SF/Student
Future Gross SF Need:	
1,111 Students x 150-180 SF	166,650 SF – 199,980 SF

B. Core Support Spaces Analysis

1. Existing Media Center	5,333 SF
(Seating, Stacks, Computer Access, Reference)	
MDE Guideline (Seating, Stacks, Computer Access, Reference)	
8%-10% of students x 35 SF	
1,042 students x 8%-10% x 35 SF	
83-104 students x 35 SF	2,905 SF – 3,640 SF
Media Center Entrance	<u>+ 700 SF</u>
	3,605 SF – 4,340 SF
Future Media Center Need	
1,111 Students x 8% - 10% x 35 SF	
89-111 Students x 35 SF	3,115 SF – 3,885 SF
Media Center Entrance	<u>+ 700 SF</u>
	3,815 SF – 4,585 SF
2. Existing Cafeteria	5,474 SF
MDE Guideline:	13-15 SF/Student
1,042 students / 3 periods = 348 students	
348 Students x 13-15 SF	4,524 SF – 5,220 SF
Future Cafeteria Need	
1,111 Students / 3 periods = 371 Students	
371 Students x 13-15 SF	4,823 SF – 5,565 SF