Facilities Feasibility Study:
Middle School Capacity Analysis
Senior High School Capacity Analysis

Independent School District #279
11200 93rd Avenue North
Maple Grove, Minnesota 55369
Draft: March 7, 2018
## MIDDLE SCHOOL/SENIOR HIGH SCHOOL ENROLLMENT VS. CAPACITY ANALYSIS SUMMARY

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Brooklyn Middle School</strong></td>
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<td></td>
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<tr>
<td>2017/2018</td>
<td>1,015</td>
<td>1,234</td>
<td>N/A</td>
<td>114</td>
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<tr>
<td>Projected 2022/2023</td>
<td>1,120</td>
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<td><strong>Maple Grove Middle School</strong></td>
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<tr>
<td>2017/2018</td>
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<td>N/A</td>
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<td>Projected 2022/2023</td>
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<tr>
<td><strong>North View Middle School</strong></td>
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<tr>
<td>2017/2018</td>
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<td>1,050</td>
<td>N/A</td>
<td>410</td>
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<td>Projected 2022/2023</td>
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<td><strong>Osseo Middle School</strong></td>
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<tr>
<td>2017/2018</td>
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<td>1,155</td>
<td>N/A</td>
<td>44</td>
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<td>Projected 2022/2023</td>
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<tr>
<td><strong>Maple Grove Senior High School</strong></td>
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<td></td>
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<tr>
<td>2017/2018</td>
<td>2,270</td>
<td>2,323</td>
<td>2,244</td>
<td>-245</td>
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<td>Projected 2022/2023</td>
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<td><strong>Osseo Senior High School</strong></td>
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<tr>
<td>2017/2018</td>
<td>2,076</td>
<td>2,482</td>
<td>N/A</td>
<td>171</td>
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<td>Projected 2022/2023</td>
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<td><strong>Park Center Senior High School</strong></td>
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<tr>
<td>2017/2018</td>
<td>2,040</td>
<td>2,376</td>
<td>N/A</td>
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<td>Projected 2022/2023</td>
<td>2,264</td>
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</tbody>
</table>

Note: This is a Dynamic Document that will change based on updated student enrollment and updated building utilization.
## SUMMARY OF MIDDLE SCHOOL AND HIGH SCHOOL CAPACITY ANALYSIS

<table>
<thead>
<tr>
<th>School Facility</th>
<th>Meets or Exceeds MDE Guidelines</th>
<th>2017/18</th>
<th>2022/23</th>
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</thead>
<tbody>
<tr>
<td>Maple Grove Senior High School G.S.F.</td>
<td></td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Media Center</td>
<td></td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Cafeteria (4 Periods)</td>
<td></td>
<td>No</td>
<td>No</td>
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<tr>
<td>Osseo Senior High School G.S.F.</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Media Center</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cafeteria (4 Periods)</td>
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<tr>
<td>Park Center Senior High School G.S.F.</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Media Center</td>
<td></td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>Cafeteria</td>
<td></td>
<td>Yes</td>
<td>No</td>
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<tr>
<td>Brooklyn Middle School G.S.F.</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Media Center</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cafeteria</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Maple Grove Middle School G.S.F.</td>
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<td>Yes</td>
<td>Yes</td>
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<td>Media Center</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cafeteria</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td>North View Middle School G.S.F.</td>
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<td>Yes</td>
<td>Yes</td>
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<tr>
<td>Media Center</td>
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<td>Yes</td>
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<td>Cafeteria</td>
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<td>Yes</td>
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<td>Osseo Middle School G.S.F.</td>
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<tr>
<td>Media Center</td>
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<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Cafeteria</td>
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<td>Yes</td>
<td>Yes</td>
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</table>

Note: All buildings run 3 lunch periods with the exception of Maple Grove High School and Osseo Senior High School.
MAPLE GROVE SENIOR HIGH SCHOOL CAPACITY ANALYSIS

### A. Square Footage Per Student

<table>
<thead>
<tr>
<th>Existing Gross SF:</th>
<th>351,537 SF</th>
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<tbody>
<tr>
<td>2017/18 Enrollment:</td>
<td>2,270 Students</td>
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<tr>
<td>2017/18 SF/Student:</td>
<td>155 SF/Student</td>
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<tr>
<td>MDE Guideline:</td>
<td>150-180 SF/Student</td>
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**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**

<table>
<thead>
<tr>
<th>(Seating, Stacks, Computer Access, Reference)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MDE Guideline (Seating, Stacks, Computer Access, Reference)</td>
</tr>
<tr>
<td>8%-10% of students x 40 SF</td>
</tr>
</tbody>
</table>

   | 2,270 students x 8%-10% x 40 SF |
   | 182-227 students x 40 SF |
   | Media Center Entrance | + 700 SF |

   **Future Media Center Need**
   2,500 Students x 8% - 10% x 40 SF
   200-250 Students x 40 SF
   Media Center Entrance | + 700 SF |

   **Future Media Center Need**
   2,500 Students x 8% - 10% x 40 SF
   200-250 Students x 40 SF
   Media Center Entrance | + 700 SF |

2. **Existing Cafeteria**

   | 4,692 SF |
   | MDE Guideline: |
   | 14-16 SF/Student |

   2,270 students / 4 periods = 568 students
   568 students x 14-16 SF
   **Future Cafeteria Need**
   2,500 Students / 4 periods = 625 Students
   625 Students x 14 – 16 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
   - Media Center Entrance + 700 SF
     - 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
   - Media Center Entrance + 700 SF
     - 8,060 SF – 9,900 SF

2. **Existing Cafeteria** 6,941 SF

   - MDE Guideline: 14-16 SF/Student
   - 2,076 students / 4 periods = 519 Students
   - 519 Students x 14-16 SF
     - 7,266 SF – 8,304 SF

   **Future Cafeteria Need**
   - 2,300 Students / 4 periods = 575 Students
   - 575 Students x 14 – 16 SF
     - 8,050 SF – 9,200 SF
**PARK CENTER SENIOR HIGH SCHOOL CAPACITY ANALYSIS**

### A. Square Footage Per Student

<table>
<thead>
<tr>
<th>Existing Gross SF:</th>
<th>414,926 SF</th>
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<tr>
<td>2017/18 Enrollment:</td>
<td>2,040 Students</td>
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<tr>
<td>2017/18 SF/Student:</td>
<td>204 SF/Student</td>
</tr>
<tr>
<td>MDE Guideline:</td>
<td>150-180 SF/Student</td>
</tr>
</tbody>
</table>

**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
(Seating, Stacks, Computer Access, Reference)

<table>
<thead>
<tr>
<th>SF</th>
<th>5,025 SF</th>
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<tbody>
<tr>
<td>MDE Guideline (Seating, Stacks, Computer Access, Reference)</td>
<td>8%-10% of students x 40 SF</td>
</tr>
<tr>
<td>2,040 students x 8%-10% x 40 SF</td>
<td>6,560 SF – 8,160 SF</td>
</tr>
<tr>
<td>164-204 students x 40 SF</td>
<td>+ 700 SF</td>
</tr>
<tr>
<td>Media Center Entrance</td>
<td>7,260 SF – 8,860 SF</td>
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</tbody>
</table>

**Future Media Center Need**
2,300 Students x 8% - 10% x 40 SF  
7,360 SF – 9,200 SF  
+ 700 SF  
8,060 SF – 9,900 SF

#### 2. Existing Cafeteria

<table>
<thead>
<tr>
<th>SF</th>
<th>10,138 SF</th>
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<tbody>
<tr>
<td>MDE Guideline:</td>
<td>14-16 SF/Student</td>
</tr>
<tr>
<td>2,040 students / 3 periods = 680 Students</td>
<td>9,520 SF – 10,880 SF</td>
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<tr>
<td>680 Students x 14-16 SF</td>
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**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
   Media Center Entrance
   + 700 SF
   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
   Media Center Entrance
   + 700 SF
   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**
   - Existing: 6,252 SF
   - 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
     - Media Center Entrance
     - + 700 SF
     - 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
   - Media Center Entrance
   - + 700 SF
   - 5,460 SF – 6,650 SF

2. **Existing Cafeteria**
   - Existing: 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
   Media Center Entrance + 700 SF
   1,855 SF – 2,310 SF
   2,555 SF – 3,010 SF

   **Future Media Center Need**

   640 Students x 8% - 10% x 35 SF
   52-64 Students x 35 SF
   Media Center Entrance + 700 SF
   1,820 SF – 2,240 SF
   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 + 700 SF
   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 + 700 SF
   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