### Q1
What grade are you in?

- 9th: 40%
- 10th: 35%
- 11th: 20%
- 12th: 5%

### Q2
Which school do you attend?

- Maine East: 70%
- Maine South: 30%

### Q3
During the course of this school year, will you participate in at least one after school club, organization, music or theatrical performance? Select all that apply.

- Yes: 60%
- No: 40%

### Q4
Rate your perception of the physical “look” or “image” of your high school spaces.

<table>
<thead>
<tr>
<th>Classroom</th>
<th>Arts/Perform</th>
<th>Library</th>
<th>Dining</th>
<th>Restrooms</th>
<th>Auditorium</th>
<th>Gymnasium</th>
</tr>
</thead>
<tbody>
<tr>
<td>0%</td>
<td>10%</td>
<td>20%</td>
<td>30%</td>
<td>40%</td>
<td>50%</td>
<td>60%</td>
</tr>
</tbody>
</table>

### Q5
The ability to learn and perform class work may be improved by well-equipped physical space. Answer this question by thinking of your overall experience in a day across all the classrooms you use. Select the factors that ENHANCE your ability to be engaged and productive.

- Lighting: 70%
- Temperature: 60%
- Seating: 50%
- Acoustics: 40%
- Cleanliness: 30%
- Classroom layout: 20%
- Lighting: 10%

### Q6
The ability to learn and perform class work may be diminished by a poorly equipped physical space. If you agree with this statement, consider your overall experience in a day across all the classrooms you use. Select the factor that most LIMIT your ability.

- Lighting: 80%
- Temperature: 70%
- Seating: 60%
- Acoustics: 50%
- Cleanliness: 40%
- Classroom layout: 30%
- Lighting: 20%
Q7 How would you rate the following elements on average across the classrooms you use?

Q8 With your current CLASSROOMS in mind, how easily does the physical environment allow you to work with other students?

Q9 With your current LIBRARY in mind, how easily does the physical environment allow you to work with other students?

Q10 How often do you leave your lunch period to use school resources (Library, Tutor Resource Centers, Student Services)?

Q11 What resources would prompt you to go to the Library more often?

Q12 What resources would prompt you to visit the student Service Center more?
Q13
On average, across all your classes how often do you use spaces other than the assigned classroom for class time?

Q14
For those that use non-classroom space for class time, what drives that need?

Q15
Would it be useful to have learning/studying/project spaces outside of traditional classroom environment? If yes, choose the option below:

Q16
When I am in class, I prefer to sit in:

Q1
What subject do you teach?

Q2
Rate your perception of the physical “look” or “image” of your school spaces.
Q3
The ability to learn and perform class work may be improved by a well equipped physical space. Answer this question by thinking of your overall experience in a day across all the classrooms you use. Select the factors that most ENHANCE students engagement.

Q4
The ability to learn and perform class work may be diminished by a poorly equipped physical space. If you agree with this statement, consider your overall experience in a day across all the classrooms you use. Select the factor that most LIMIT your ability.

Q5
How would you rate elements across the classrooms that you use?

Q6
With your current classrooms in mind, how easily does the physical environment allow you to work with other students?

Q7
With your current classrooms in mind, how easily does the physical environment allow students to work with EACH OTHER?

Q8
We desire the ability to work in many different modes of teaching and learning. But are unable to easily achieve this due to:
Q9
How often do you use spaces other than the assigned classroom for class time?

Q10
For those that use nonclassroom spaces for class time, what drives that need?

Q11
Would it be useful to have learning/studying/project spaces outside of traditional classroom environment? If yes, choose the option below:

Q12
I believe my students would be the most attentive with:

Q1
What grade are you in?

Q2
Which school do you attend?

Q3
During the course of this school year, will you participate in at least one after school club, organization, music or theatrical performance? Select all that apply.

Q4
Rate your perception of the physical “look” or “image” of your high school spaces.
Q5
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Q14 For those that use non-classroom space for class time, what drives that need?

Q15 Would it be useful to have learning/studying/project spaces outside of traditional classroom environment? If yes, choose the option below:

Q16 When I am in class, I prefer to sit in:
Q1

What subject do you teach?

Math
Science
English
Social Studies
Spanish
French
German
Music
Fine Arts
Drama
Art
Religion
Business
Health
Other

Q2

Rate your perception of the physical "look" or "image" of your school spaces.

Q3

The ability to learn and perform classwork may be improved by a well-equipped physical space. Answer this question by thinking of your overall experience in a day across all the classrooms you use. Select the factors that most ENHANCE students engagement.

Q4

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Q1: What grade are you in?

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Q12 I believe my students would be the most attentive with:
### SPACE USAGE BY DEPARTMENT

#### Building Support

<table>
<thead>
<tr>
<th>Department</th>
<th>Total Building Sq. Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHS - East</td>
<td>508,719</td>
</tr>
<tr>
<td>MTHS - West</td>
<td>420,872</td>
</tr>
<tr>
<td>MTHS - South</td>
<td>361,544</td>
</tr>
<tr>
<td>New Trier HS</td>
<td>899,709</td>
</tr>
<tr>
<td>Stevenson HS</td>
<td>740,210</td>
</tr>
<tr>
<td>Naperville Central</td>
<td>517,641</td>
</tr>
</tbody>
</table>

#### Total Student Enrollment

<table>
<thead>
<tr>
<th>School</th>
<th>Enrollment</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier HS Winnetka</td>
<td>3,993</td>
</tr>
<tr>
<td>Stevenson HS</td>
<td>4,137</td>
</tr>
<tr>
<td>Naperville Central</td>
<td>2,830</td>
</tr>
<tr>
<td>MTHS - East</td>
<td>1,829</td>
</tr>
<tr>
<td>MTHS - West</td>
<td>2,077</td>
</tr>
<tr>
<td>MTHS - South</td>
<td>2,416</td>
</tr>
</tbody>
</table>

#### Above Acceptable Range

<table>
<thead>
<tr>
<th>School</th>
<th>Gross Square Footage per Student</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier HS Winnetka</td>
<td>278</td>
</tr>
<tr>
<td>Stevenson HS</td>
<td>183</td>
</tr>
<tr>
<td>Naperville Central</td>
<td>183</td>
</tr>
<tr>
<td>MTHS - East</td>
<td>179</td>
</tr>
<tr>
<td>MTHS - West</td>
<td>222</td>
</tr>
<tr>
<td>MTHS - South</td>
<td>225</td>
</tr>
</tbody>
</table>

### SPACE USAGE OF CURRENT BUILDING

#### Percentage of Total Building Square Footage

<table>
<thead>
<tr>
<th>Department</th>
<th>Percentage of Total Building</th>
</tr>
</thead>
<tbody>
<tr>
<td>MTHS - East</td>
<td>25%</td>
</tr>
<tr>
<td>MTHS - West</td>
<td>20%</td>
</tr>
<tr>
<td>MTHS - South</td>
<td>15%</td>
</tr>
<tr>
<td>New Trier HS</td>
<td>10%</td>
</tr>
<tr>
<td>Stevenson HS</td>
<td>5%</td>
</tr>
</tbody>
</table>

#### Building Support

- Mechanical
- IDF
- Toilet

### Council of Educational Facility Planners International (CEFPI)

- Range: 123 - 211 sq. ft. per. Student

#### Acceptable Range

- Above Acceptable Range
- Acceptable Range
- Below Acceptable Range

#### New Trier HS Winnetka

- Gross Square Footage per Student: 278

#### Stevenson HS

- Gross Square Footage per Student: 183

#### Naperville Central

- Gross Square Footage per Student: 183
**Seating Capacity**

- **New Trier High School**: Before Renovation - 900, After Renovation - 800
- **Stevenson High School**: Before Renovation - 700, After Renovation - 600
- **MT East High School**: Before Renovation - 500, After Renovation - 400
- **MT West High School**: Before Renovation - 300, After Renovation - 200
- **MT South High School**: Before Renovation - 100, After Renovation - 0
- **Naperville Central HS**: Before Renovation - 0, After Renovation - 0

**Student Dining Space**

- **New Trier High School**: Before Renovation - 4,500, After Renovation - 4,000
- **Stevenson High School**: Before Renovation - 4,000, After Renovation - 3,500
- **MT East High School**: Before Renovation - 3,000, After Renovation - 2,500
- **MT West High School**: Before Renovation - 2,000, After Renovation - 1,500
- **MT South High School**: Before Renovation - 1,000, After Renovation - 500
- **Naperville Central HS**: Before Renovation - 0, After Renovation - 0

**Square Feet per Student**

- **New Trier High School**: Before Renovation - 20, After Renovation - 15
- **Stevenson High School**: Before Renovation - 15, After Renovation - 10
- **MT East High School**: Before Renovation - 10, After Renovation - 5
- **MT West High School**: Before Renovation - 5, After Renovation - 0
- **MT South High School**: Before Renovation - 0, After Renovation - 0
- **Naperville Central HS**: Before Renovation - 0, After Renovation - 0

**Serving Line Square Footage**

- **New Trier High School**: Before Renovation - 18, After Renovation - 14
- **Stevenson High School**: Before Renovation - 13, After Renovation - 10
- **MT East High School**: Before Renovation - 8, After Renovation - 5
- **MT West High School**: Before Renovation - 5, After Renovation - 0
- **MT South High School**: Before Renovation - 0, After Renovation - 0
- **Naperville Central HS**: Before Renovation - 0, After Renovation - 0
**Dining Spaces**

Comparing All Spaces Included With Dining

### Kitchen

- New Trier High School
- Stevenson High School
- MT East High School
- MT West High School
- MT South High School
- Naperville Central HS

<table>
<thead>
<tr>
<th></th>
<th>Before Renovation</th>
<th>After Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier High School</td>
<td>4,500</td>
<td>4,000</td>
</tr>
<tr>
<td>Stevenson High School</td>
<td>3,500</td>
<td>3,000</td>
</tr>
<tr>
<td>MT East High School</td>
<td>2,500</td>
<td>2,000</td>
</tr>
<tr>
<td>MT West High School</td>
<td>2,000</td>
<td>1,500</td>
</tr>
<tr>
<td>MT South High School</td>
<td>1,500</td>
<td>1,000</td>
</tr>
<tr>
<td>Naperville Central HS</td>
<td>1,000</td>
<td>500</td>
</tr>
</tbody>
</table>

### Dish Washing

- New Trier High School
- Stevenson High School
- MT East High School
- MT West High School
- MT South High School
- Naperville Central HS

<table>
<thead>
<tr>
<th></th>
<th>Before Renovation</th>
<th>After Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier High School</td>
<td>900</td>
<td>800</td>
</tr>
<tr>
<td>Stevenson High School</td>
<td>700</td>
<td>600</td>
</tr>
<tr>
<td>MT East High School</td>
<td>500</td>
<td>400</td>
</tr>
<tr>
<td>MT West High School</td>
<td>300</td>
<td>200</td>
</tr>
<tr>
<td>MT South High School</td>
<td>100</td>
<td>0</td>
</tr>
<tr>
<td>Naperville Central HS</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

### Storage

- New Trier High School
- Stevenson High School
- MT East High School
- MT West High School
- MT South High School
- Naperville Central HS

<table>
<thead>
<tr>
<th></th>
<th>Before Renovation</th>
<th>After Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier High School</td>
<td>4,500</td>
<td>4,000</td>
</tr>
<tr>
<td>Stevenson High School</td>
<td>3,500</td>
<td>3,000</td>
</tr>
<tr>
<td>MT East High School</td>
<td>2,500</td>
<td>2,000</td>
</tr>
<tr>
<td>MT West High School</td>
<td>2,000</td>
<td>1,500</td>
</tr>
<tr>
<td>MT South High School</td>
<td>1,500</td>
<td>1,000</td>
</tr>
<tr>
<td>Naperville Central HS</td>
<td>1,000</td>
<td>500</td>
</tr>
</tbody>
</table>
Volume of the ‘Kitchen’ Area

- New Trier High School
- Stevenson High School
- MT East High School
- MT West High School
- MT South High School
- Naperville Central HS

<table>
<thead>
<tr>
<th>School</th>
<th>Before Renovation</th>
<th>After Renovation</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Trier High School</td>
<td>9,000</td>
<td>8,000</td>
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<tr>
<td>Stevenson High School</td>
<td>7,000</td>
<td>8,000</td>
</tr>
<tr>
<td>MT East High School</td>
<td>6,000</td>
<td>7,000</td>
</tr>
<tr>
<td>MT West High School</td>
<td>5,000</td>
<td>6,000</td>
</tr>
<tr>
<td>MT South High School</td>
<td>4,000</td>
<td>5,000</td>
</tr>
<tr>
<td>Naperville Central HS</td>
<td>3,000</td>
<td>4,000</td>
</tr>
</tbody>
</table>

Total ‘Kitchen’ Area: 27,961 square feet
One of the main comments from the Student and Teacher Surveys was the challenges posed by outdated and inflexible furniture in typical classrooms. In an effort to explore the possibilities of different furniture types the district embarked on a model classroom study. Multiple rooms were identified at each school as candidates for new furniture. These rooms are used across all core disciplines, used by multiple teachers, and hundreds of students.

Each of the 5 model classrooms have unique products and space layout solutions. It is the intention that a broad audience will be able to provide feedback on the furniture and how it has affected the teaching and learning environment.

Mary Kalua and Wight met with each group of teaching staff per room to hear first hand the challenges of their space. In most instances the new furniture solution needed to address:

- Get student backpacks out of open floor area
- Ease of mobility
- Be able to reconfigure into multiple layouts including:
  - Rows of 16 students – 8 facing 8 (speed dating)
  - Groups of 2’s
  - Groups of 3’s
  - Groups of 4’s
  - Groups of 5’s
  - Clear floor, open space
  - Fishbowl, inner and outer circle
  - Single for Testing
  - Big U Shape
  - Big circle, whole class
  - Adequate work space for Chromebook and support materials

New furniture solutions were generated at comparable overall cost solutions. Products for 4 of the rooms was acquired over Spring Break 2018. The 5th room will have furniture installed over Summer Break 2018.

The district will compare student and teacher end user feedback to determine the best solution(s) moving forward.
### MATH B206 - FURNITURE SPREADSHEET

**Maine Township High School District 307**

<table>
<thead>
<tr>
<th>Furniture Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flexwood Teacher Desk</td>
<td>As per specifications</td>
</tr>
<tr>
<td>Ki Ruckus Task Chair</td>
<td>As per specifications</td>
</tr>
<tr>
<td>Great Openings Mobile Storage</td>
<td>As per specifications</td>
</tr>
<tr>
<td>Steelcase Verb Table</td>
<td>As per specifications</td>
</tr>
<tr>
<td>Steelcase Verb Market Board</td>
<td>As per specifications</td>
</tr>
</tbody>
</table>

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**Ki Ruckus Stool**

- [Ki Ruckus Stool Specification Sheet](#)

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**VS Series 600 Stand Al**

- [VS Series 600 Stand Al Specification Sheet](#)