

November 16, 2018

Prepared for: Sudbury Public Schools 40 Fairbank Rd. Sudbury, MA 01776



Sudbury Public Schools Sudbury Public Schools Elementary Schools Space Utilization Study November 16, 2018 This page intentionally blank.

# Noyes, Nixon, Haynes, and Loring Schools Space Utilization Study

**Existing Conditions and Utilization Analysis** 

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#### 1. Introduction

#### **Project Name and Building Address:**

Sudbury Public Schools Space Utilization Study

Peter Noyes Elementary School 280 Old Sudbury Rd.

General John Nixon Elementary School 472 Concord Rd.

Josiah Haynes Elementary School 169 Haynes Rd.

Israel Loring Elementary School 80 Woodside Rd.

#### **Project Team:**

#### Town of Sudbury – Public Schools

40 Fairbank Rd., Sudbury, MA 01776 978-443-1058

Brad Crozier – Superintendent of Schools

#### <u>Architect – TBA Architects, Inc.</u>

43 Bradford St. Suite 300, Concord, MA 01742 781-893-5828 Justin Humphreys, AIA, Principal (prepared report) Anthony Rodriguez

#### Site Visits:

9/24/18 – Justin Humphreys toured the elementary schools with Superintendent Crozier. Photographs and notes were taken, layout of the buildings reviewed (not measured).

TBA has received and utilized prints of floor plans for each of the four schools. TBA has been provided school schedules, enrollment data (updated 11/15/18) and room assignment diagrams. The existing space use and enrollment numbers and projections are all based on the provided information.

Thank you to the administration and staff for your patience and assistance during our visit and in providing the documents we requested.

#### 2. Executive Summary

TBA was requested to determine current and future capacity of the Town of Sudbury's elementary schools and in particular to determine the impacts of anticipated housing development in town on the Noyes, Nixon, and Haynes schools. TBA approached this question of capacity of from a few different directions: looking at current enrollment; projected increase by the proposed housing development; projected enrollment from 2016 NESDEC numbers; and, compared them to the Town's own limitations on class size and MSBA recommended standards. The primary focus of this study was to determine the classroom capacity, so most statements made are with regard to classrooms only. Enrollment affects all functions and programs in a school, however, so we do speak to those impacts as well. Our overall goal is to understand the space use and utilization of the current schools and their ability (or inability) to accommodate future growth whatever the reason.

This first phase of the study looked at the four elementary schools: the Peter Noyes Elementary School, the General John Nixon Elementary School, the Josiah Haynes Elementary School, and the Israel Loring Elementary School.

As we understand, there is a private proposal to develop 250 units of private housing near the center of town at Sudbury Station. A warrant item has been put forth to Town Meeting to execute a land swap with the developer to move the development to the north end of town on the Quarry North / Melone parcel. If the development proceeds at Sudbury Station enrollment is projected to increase by 116 students across grades K-12, 84 at the K-8 level. Should this development go forward the impact of a projected 56 additional students would be borne by the Noyes and/or Nixon Schools. Should Town Meeting approve the land swap, the development would be approximately 274 units and the projected increase in school enrollment would be 97 additional students across grades K-12; 70 of them at the K-8 level. Development of the Quarry North / Melone parcel would mean the Haynes School would bear the impact of 47 additional students.

The Noyes, Nixon, and Haynes were studied as to their ability to accommodate the projected enrollment from the housing development. The Loring is not expected to be impacted by the new housing, but we did study its ability to accommodate NESDEC projected enrollment and capacity based on MSBA guidelines, and a hypothetical increase from the Sudbury Station development.

We see classroom spaces available for additional homeroom sections at each school, but not enough at the Noyes. In all but one school, other programs would need to be reconfigured or relocated to accommodate the additional section. The close proximity of the Noyes and Nixon schools and the availability of more "spare" classrooms at the Nixon presents the possibility of easing overcrowding at the Noyes.

Scheduling is different at each of the elementary schools. All days are the same length, but the number of periods, length of periods and number of lunch seatings all vary. It also appears that staff are shared

between schools. It does appear that at least one additional classroom section can be added to the schedules without complicating the schedules further. Adding more than one or two appears that it would impact planning/prep time and schedules of shared staff.

The MSBA comparisons show the largest area of divergence by Sudbury from the standard is in the area of special education space. Sudbury allocates fewer larger spaces to special education than the standard. This appears to be due to a few factors – the pedagogy of the district, the practice of placing a given specialized district program at each school, and the configuration of the spaces at each. All schools have more full sized classroom spaces available than small group and office spaces. (This can be easily modified at each school should the district wish to create smaller group spaces, rather than shared classrooms.) To make use of existing special education space for general classrooms would require "right-sizing" the reconfigured special education space and attention to proper distribution of spaces.

Sudbury also dedicates classroom space to foreign language instruction. At the elementary school level, the MSBA standard does not require dedicated space for this education. While, it is not recommended, we identified these spaces as available for general classroom use which would require delivering foreign language instruction in either smaller space or into the homeroom classrooms. Any program that is delivered into the homeroom impacts planning and team meeting time.

The conclusion of each direction of study was similar, and similar for each school.

- 1. All schools have a sufficient number of classrooms for both MSBA guidelines and District guidelines for their current enrollment.
  - a. Classrooms vary in size, but those for kindergarten are often smaller than standards.
- 2. All schools have some capacity at each grade level and in each section.
- 3. All schools have at least one classroom available for an additional section but not at each grade level. (The Sudbury Station development triggers the need for two additional classrooms and only one is easily achievable in most schools.)
- 4. All schools (except Nixon) would require relocation, reorganization, or changes in methods of delivery of established programs to accommodate an additional classroom.
- 5. Three of the four schools can accommodate the projected enrollment in general classrooms from either development location. However we see other impacts and effected areas:
  - a. The enrollment per class would be at the District's limit or one to two students over in certain grades and sections.
  - b. Development at Sudbury Station would require relocation or reconfiguration of existing programs at the Noyes where there is one (possibly two) additional general classrooms

- can be mined. The increased enrollment from the Station development requires two additional classrooms at the K-5 level.
- c. Development at Sudbury Station is more readily handled at the Nixon, where one classroom is currently unused by any program and a couple of others can be combined to make up to three easily available.
- 6. The schools' schedules and staffing may be more of a determinant in ability to accommodate an increase in sections. Each school appears to have room for one or two additional sections before complicating the schedule. Additional staff will likely be required.
- 7. NESDEC projections are on a level or downward trend for each school which indicates that the available space at each school will continue to be sufficient until either:
  - a. The housing development is realized and can be incorporated into projections and this analysis revised, and/or;
  - b. The District changes the curriculum or service delivery methods of one or more programs.

Should the district wish to undertake reconfiguration or expansion of any of the schools to better accommodate the increased enrollment, we offer thoughts on square foot project costs. Construction, without MSBA standards or reimbursement, has recently run at approximately \$160/sf for renovation construction; \$425/sf for new stick-built construction; and \$380/sf for permanent modular construction. Design, engineering and project management fees are approximately 12% of construction cost. We provide these for rough estimate consideration only, as we have not identified any specific scopes of work, nor calculated any specific costs associated with any of the four schools.

#### 3. Analysis and Observations

An enrollment analysis spreadsheet is included. We used the total school enrollment, enrollment per grade and section, and District's guidelines for class size as provided by Sudbury Public Schools, and tabulated the quantitative impacts of the projections from the proposed housing development and those from NESDEC and then compared them to the currently available classrooms to determine the capacity of each school and render an opinion as to their ability to accommodate those projections.

The spreadsheet is divided into two parts – the left half is current enrollment and the impact of the new housing development on enrollment by grade level; and, the right half is total capacity in population and classrooms as determined by the District's guidelines, MSBA guidelines, and NESDEC projections. The population and number of classrooms required varies in each – part of why it's so difficult to determine a definite capacity of a school building. These numbers are based on classrooms only. Other programmatic areas are always affected greatly by the population as is the schedule. However, the physical space to educate children for a majority of the day – the general or homeroom classroom – is the priority of this study.

- 1. The Noyes School needs two additional classrooms to accommodate the increased enrollment, and would require some sections to be over the district's limit. The Noyes school enrollment numbers were run with the projected increase from the Sudbury Station development and was compared to the MSBA with and without the preschool classrooms. As the district houses special programs at each school, the Noyes housing the preschool, the district could choose to deliver those services in other locations. In order to determine if the Noyes school as-built could accommodate the anticipated enrollment increase we looked at how many classrooms would be needed and to do that we ran the numbers in various combinations. Ultimately we see that, ignoring the pre-K spaces, the school could accommodate the enrollment increase if that increase were evenly distributed across grade levels. However, while the total population in grades 1-5 is below the MSBA determined capacity, it is over the capacity per district guidelines, and at grades K-2 the number of students in each classroom is two students per section over the guideline. This suggests that if enrollment is not evenly distributed (most likely) that an additional classroom and possibly more would be needed. This would mean taking over the computer lab for a single classroom, or if more are needed, the preschool or other spaces would be impacted. When the preschool is included for student population and number of classrooms, the increase from development places the Noyes two classrooms short. To accommodate the increase two classrooms need to be found either by displacing program or expansion.
  - a. The computer lab could be returned to a general classroom to accommodate one additional section.

- b. One large space currently houses several special education programs (Rm 43). The space could be renovated to better serve those uses and possibly free up another full sized general classroom.
- c. Expansion of the school. Should this be done further consideration should be given to expanding more than two classrooms to anticipate the enrollment increase beyond the development and to create additional storage space to eliminate the storage units on-site.
- d. Create an early childhood center. Relocating the preschool out of the Noyes would not only open up three classrooms for the school, it would give the district the opportunity to expand the early childhood program and create spaces tailored to preschool children and their needs.
- 2. The Nixon School is better able to accommodate the projected Station increase with the least impact to the school. Second grade is the most effected and would require an additional section to meet the district's maximum class size.
  - a. One classroom is currently unprogrammed/unused and is readily available.
  - b. Two classrooms have shared small group areas which could be considered for general classroom or renovated to work better for the programs.
  - c. One classroom is currently district-wide science curriculum storage. The items stored can be downsized and store in another location more efficiently, freeing up this space for general classroom.
  - d. The east wing can be expanded by approximately four additional classrooms. This would require relocating a paved play area, but there is little impact to the rest of the site.
- 3. The Haynes School while able to accommodate the increased enrollment, would require some sections to be over the district's limit.
  - a. The increase is accommodated in the existing classrooms by virtue of the current lower class enrollment.
  - b. Additional sections could be accommodated by relocating the foreign language classroom to the teachers' lounge and relocating the teachers' lounge to the conference room across the corridor.
  - c. One existing kindergarten is in a space too small and without a dedicated bathroom.
  - d. District-wide special education programs occupy three full sized classroom spaces.

- e. The multi-purpose room is not an MSBA programmed space. The school utilizes it regularly, but it is a space that could be renovated to suit specials (art, music, etc.) thereby freeing up general classroom space.
- 4. The Loring School was analyzed for current utilization and capacity. We ran current enrollment numbers and looked at NESDEC projections to determine capacity as for the other schools. The school schedule was reviewed to determine time utilization and the overall and individual areas were compared to MSBA guidelines to determine area utilization. The school was also tested hypothetically to accommodate the Sudbury Station development.
  - a. The school appears to have been developed as an MSBA project as most of the spaces and areas comport with the MSBA guidelines.
  - b. Based on current class size, there is capacity in each grade level for additional students and still be within District guidelines. More capacity exists if using MSBA guidelines.
  - c. Increased enrollment from the development could be accommodated, but would exacerbate some already undersized areas.

#### 3. Existing Building Analysis

#### **Background**

In commissioning this study, the goals of the Sudbury Public Schools were to determine the ability of the schools to accommodate growth in regards to classroom space and to determine whether interior reconfiguration or expansion or both were required to meet the anticipated needs. In order to determine the best way of accomplishing these goals, space must be considered inside the existing facilities before making a determination about constructing additional new space. A thorough look at space use and efficiency is necessary to making the case for improvements. Regardless of whether space is able to be found within the existing buildings or not, if the process reveals that space is not available for all needs then it supports the need for additional space.

This school utilization study for Sudbury's four elementary schools provides analysis of the schools which includes grades kindergarten to five. Utilization metrics include both time and space: the actual percentage of time a room is in use <u>and</u> the space allocation for the intended use. The Massachusetts School Building Authority recommendations as to space allotment for use types were used as the basis for spatial utilization analysis. The number of periods (or time) a week a space or room was used by the schools' inhabitants as a percentage of periods available during the school week is the basis for time utilization analysis and is compared to MSBA recommendations as well.

These two measures occasionally reveal a room that is both over utilized as to time and underutilized as to space. A prime example of this type of space is the gymnasium which is simultaneously oversized by MSBA standards, but is utilized almost constantly. Where underutilization exists, this condition may offer space planning opportunities for more efficient reconfiguration.

The study presents space allocation analysis in a spreadsheet for the school with side by side comparisons with the MSBA standard for K-5 schools. The spreadsheet analysis is broken down into groupings determined by the MSBA with the following areas represented:

- Core Academic Areas
- Special Education
- Art and Music
- Health and Physical Education:
- Media Center
- Dining & Food Service
- Medical
- Administration and Guidance
- Custodial and Maintenance
- Other

These areas for each school are indicated on plan drawings with a color code legend for each grouping. Core academic areas (classrooms) are further defined by an overlay hatch indicating grade level use. These functional plans were developed to give an overview as to the plan organization and functional adjacencies of the school.

A second set of plans for the school depict the utilization (by time and area) of each room by a simple color coding of green, red and yellow.

**Green** - Rooms with the color green are rooms utilized fully for time (approximately 75 to 95 % of the time for their intended use) and/or within 80 to 105% of their recommended MSBA size.

**Red** - Rooms depicted in red are undersized by MSBA standards, have additional uses outside of the intended use which interfere with the efficient use of the space, or are utilized 100% of the available time. Many spaces are both undersized in that they are below the size recommended by MSBA and are used by multiple programs.

**Yellow** - Rooms illustrated in yellow are underutilized either by time or space allocation. Underutilization appears primarily in the auditorium and gymnasium spaces that are larger than recommended.

#### **Space Utilization Analysis**

The following pages include outline analysis for each school followed by existing space summary spreadsheets, existing space use plans, and utilization plans for the current school. Analysis is organized by topic following those listed in the MSBA spreadsheet to allow reference for details on specific spaces.

The Noyes, Nixon, Haynes, and Loring also comment on a comparison between the as-built condition and the projected conditions with 30 students added to Noyes and Nixon and 48 students added to Haynes based on projected enrollment from proposed developments. The Loring was analyzed as to its ability to accommodate 30 additional students to facilitate a district-wide comparison, though there is no known source for this impact at this time.

#### Schedule

The schedules are attached to the end of this report. The percentage of time in periods or minutes that each general classroom and each specialized classroom are used is noted in the table on each of the rendered utilization sheets.

#### **Net and Gross Building Areas**

- Noyes School
  - Existing to MSBA total area is within 3% of MSBA. Grossing factor is in line. Space is allocated guite different from the MSBA standards.
  - Existing to Projected total area is in line with MSBA, while net area drops to 89%.
- Nixon School
  - Existing to MSBA both net and gross areas are in line with MSBA guidelines for a school
    of this enrollment. However, space is very high in some categories and very low in others.
  - Existing to Projected the gross area decreases to 88% of the guideline, and net area a bit over 2000 sf below the guideline.
- Haynes School
  - Existing to MSBA the school appears to be right sized for the current enrollment. Gross area is exactly 100% of the recommended, while net area is actually 11% greater than recommended.
  - Existing to Projected The total gross area drops to 91% of the MSBA standard, but net is still 5% above.
- Loring School
  - Existing to MSBA The school appears to have been designed on the MSBA model.
     Areas are mostly in line with MSBA recommendations. The net area is 102% and the gross 110%.
  - Existing to test projection The net drops to 93%, due to the need for additional classrooms and art rooms, and the gross to 103% of the MSBA model.

#### **Core Academic Areas**

#### Noyes School

- Existing to MSBA total area is 7% lower than MSBA, and the total number of classrooms is the same as MSBA. Three classrooms are for the preschool program. Most classrooms are adequately sized, including kindergarten. Preschool classrooms are outside the standard, but their size is adequate for the age and population.
- Existing to Projected Total area is drops to 86% of the MSBA and should have 29 classrooms requiring two general classrooms to be found. Additionally, the class sizes for K-2 exceed the district's maximum size. Should the distribution not be equal across grades, it is likely that a third classroom would be needed to comply with the maximum class sizes.

#### Nixon School

- Existing to MSBA Nixon has four more classrooms (19) than the MSBA guideline (15) for a school with this enrollment. One classroom is unprogrammed, another is district storage, and two more could be consolidated. Classrooms are all sized adequately. Kindergarten enrollment doesn't require a third room, but one is present and used for other purposes.
- Existing to Projected MSBA guidelines would require 17 classrooms, two more than currently. The school has one classroom readily available and another that would displace storage. Total classroom area is still 5% above the recommended area.

#### Haynes School

- Existing to MSBA MSBA recommends 16 classrooms for the current enrollment. Most classrooms are adequately sized, with a few being slightly smaller. Three kindergarten classrooms are recommended and provided, however one is much smaller and without a dedicated bathroom. Haynes has 21 classrooms with one being a foreign language room.
- Existing to Projected Increased enrollment requires 18 classrooms per MSBA. As three
  are dedicated to kindergarten it may mean taking over the foreign language classroom,
  moving the teachers' lounge and a conference room. Total area is still slightly above the
  standard at 105%.

#### Loring School

- Existing to MSBA Total area is only 8% larger than the model, but there are four more classrooms than the model (25 vs. 21). One of the additional is a foreign language classroom. All grades 1-5 classrooms are below the 950 sf recommended, but comply with 35 sf per student minimum set by MSBA.
- Existing to test projection Total area is on par with the recommended. The MSBA standard would now require 23 classrooms.

#### **Special Education**

Noyes School

- Existing to MSBA total area is 11% higher than MSBA. Total number of rooms is 3 less than MSBA, but Sudbury dedicates larger classrooms to programs than MSBA guidelines.
   One space is as large as two classrooms and could be reconfigured to suite the needs better.
- Existing to Projected No change between the existing and the standard. This does not
  indicate that to be true as the Town's demographics may dictate otherwise.

#### Nixon School

- Existing to MSBA total area is 14% higher than MSBA. As the school is arranged with full sized classrooms, that is what is occupied. Some programs may not need full sized rooms.
   Total rooms dedicated is two less than MSBA standards.
- Existing to Projected No change.

#### Haynes School

- Existing to MSBA Like the other schools the total area dedicated to special education is greater than the MSBA standard – 30% greater at the Haynes. The school houses a couple of district-wide programs that skew the numbers more than the other schools. Two kindergarten sized classrooms with bathrooms are occupied by the Partners program.
- Existing to Projected No change.

#### Loring School

- Existing to MSBA In line with MSBA. Fewer full sized rooms have been dedicated rather than more half sized rooms as seems to be the practice of SPS.
- Existing to test projection Total area is now 89% of the MSBA standard as it would require an additional 500 sf of space, or one more resource room.

#### **Art and Music**

#### Noyes School

- Existing to MSBA The space at Noyes is about 2/3rds of the recommended area, primarily due to the MSBA recommendation for two art classrooms. Music practice rooms are not provided.
- Existing to Projected Space provided would be half of the recommended owing to the need for two music rooms. The increase in number anticipate the need for more staff to allow time in the schedule for all sections to have two periods per week.

#### Nixon School

- Existing to MSBA Total area is 86% of the standard. The art room is right sized, but the music room is about 3/4ths the size recommended. No practice rooms were observed.
- Existing to Projected No substantial change as the next tipping point is not reached in the MSBA model.
- Haynes School

- Existing to MSBA Both the art and music room are underized by about 1/3<sup>rd</sup> the recommended area. Total area is 72% of the MSBA standard. Workroom and storage is very low as well. No music practice rooms were observed.
- o Existing to Projected No substantial change in space, net area drops from 72% to 70%.

#### Loring School

- Existing to MSBA At 91% of the MSBA model, the lower area is attributed to smaller storage rooms and no music practice rooms.
- Existing to test projection The existing area is 40% smaller than the recommended as the increased population would require an additional art classroom as associated spaces.

#### **Health and Physical Education**

- Noyes School
  - Existing to MSBA The size of the gym is 88% of the recommended size. While sufficient, there was no separate gym storeroom or office observed – a portion of the stage is used for these functions.
  - Existing to Projected No change.
- Nixon School
  - Existing to MSBA At 73% of the recommended total area, the gym is 2/3rds the recommended size, but the storeroom and office are about double.
  - Existing to Projected No change.
- Haynes School
  - Existing to MSBA The gym is in line with the recommendations as are the storeroom and
    office in total.
  - Existing to Projected No change.
- Loring School
  - Existing to MSBA At 91% of the MSBA model, the lower area is attributed to a gym 10% smaller than the model. The storeroom is larger than the model and may double as an office as there does not appear to be a separate room.
  - Existing to test projection No change.

#### Media Center

- Noyes School
  - Existing to MSBA The library is about 80% of the recommended size.
  - Existing to Projected The library would be about 3/4ths the recommended size.
- Nixon School
  - Existing to MSBA The total area allocated to media is 130% of the MSBA recommended.
     There is a separate computer lab (full sized classroom).
  - Existing to Projected Still oversized at 117% of the MSBA recommended.

#### Haynes School

- Existing to MSBA Overall area is 112% of the recommendation with the reading room about 10% too small, but some other specialized areas provided outside of the standard.
- Existing to Projected Media space would be in line overall with MSBA, but the reading room is now 20% too small.

#### Loring School

- Existing to MSBA Media space is 48% larger than the recommendation. Much of this is due to a dedicated computer lab of over 1200 sf in addition to the reading room that is close to the MSBA standard.
- Existing to test projection The area is still 35% larger than the standard, but the reading room is approximately 400 sf less than the standard. No computer lab is required.

#### **Dining & Food Service**

#### Noyes School

- Existing to MSBA Currently the Noyes cafeteria is about 16% larger than the standard for a school of this population. Much of the area is taken up with before and after school program needs, so the area available for dining is at or just below the standard. The teachers' lounge is 2.5 times the size recommended by MSBA.
- Existing to Projected The cafeteria remains sufficient at still 8% larger than the standard.
   Scheduling may be affected. Additional tables would likely be needed to accommodate one or more seatings.

#### Nixon School

- Existing to MSBA The overall area dedicated is adequate at about 91% of the recommended area. The cafeteria is 20% larger, but is also the auditorium. Stage is about 60% the recommended size as is the kitchen. Staff lunch room is twice as big as the MSBA standard, however it may also be the workroom as a separate one was not observed.
- Existing to Projected Cafeteria is still sufficient for the increased load. However the overall are drops to 83% of the recommended area.

#### Haynes School

Existing to MSBA – At 138% of the recommended area, this would seem oversized. However, the numbers are skewed by the multi=purpose room that is conjoined or separated from the cafetorium with a movable wall. The wall is used daily to allow for separate programming. The cafeteria side is about 10% small, but the entire combined area is used for dining. The kitchen appears to be adequate as does the stage. Staff dining is 3.5 times the recommended area, though a separate workroom was not observed.

> Existing to Projected – No substantial change to the way the space is understood to be currently used and the overall area is still 29% larger than MSBA guidelines. However, the cafeteria area is decreases to about 80% of the MSBA recommendation.

#### Loring School

- Existing to MSBA At 105% of the MSBA standard, the spaces provided are adequate and are distributed similar to the recommendation.
- Existing to test projection Total area is 2% less than the standard, but the cafeteria is on par with the standard. The stage is about 10% too small.

#### Medical

- Noyes School
  - Existing to MSBA The nurse's office is 57% of the MSBA standard and is not provided with the spaces recommended.
  - o Existing to Projected No change, but the demand will increase.
- Nixon School
  - Existing to MSBA Separate recommended spaces are missing and the whole suite is
     77% the size it should be.
  - Existing to Projected No change, but the demand will increase.
- Haynes School
  - Existing to MSBA The recommended area is about 500 sf. At 426 sf, the Nurse's office is 84% the size it should be. The waiting area is often used for small group workspace as it is separated from the nurse's office and treatment with a door.
  - Existing to Projected No change, but the demand will increase.
- Loring School
  - Existing to MSBA Loring has the only medical suite in line with the MSBA and with all spaces recommended.
  - Existing to test projection The medical suite is missing two exam rooms and is 100 sf shy
    of the standard. Demand would increase, making the missing space more apparent.

#### **Administration and Guidance**

- Noyes School
  - Existing to MSBA Total area is 122% of the MSBA standard. This is due to the oversized teacher's work room at almost 3 times the recommended size. Other individual areas are small or missing. Reallocation of space is recommended.
  - Existing to Projected No substantial change.
- Nixon School
  - Existing to MSBA Space allocated for faculty and staff is 15% below the recommended total and is missing many spaces.

Existing to Projected – No substantial change.

#### Haynes School

- Existing to MSBA Total area is 20% more than the standard. The guidance office is four times the size at 622 sf, not including the psychologist office at 373 sf. Most of the main office is in the lobby and appears spacious, if exposed, but the other office spaces are smaller than recommended or are not present.
- Existing to Projected No substantial change, still 17% more than the standard.

#### Loring School

- Existing to MSBA Space provided is in line with MSBA in both area and allocation.
- Existing to test projection No substantial change.

#### Custodial and Maintenance

- Noyes School
  - Existing to MSBA At about 80% of the recommended area, many spaces are not found.
     There is a large storage room adjacent to the cafeteria that was not observed. There are also storage trailers around the building. Required spaces appear to be missing.
  - Existing to Projected No substantial change.

#### Nixon School

- Existing to MSBA Severely lacking in total space and program. The MSBA recommends almost 2000 sf and several functions while the Nixon has just over 600 sf of space observed.
- Existing to Projected No substantial change.
- Haynes School
  - Existing to MSBA Space for maintenance and storage are severely lacking at 23% of the recommended area. It is possible that spaces are available outside or on a lower level and were not observed.
  - Existing to Projected No change.
- Loring School
  - Existing to MSBA Like the other schools there is a severe lack of space for maintenance, storage and custodial work. The school has only 26% of the MSBA recommended area.
     Same comments as the Haynes, it is possible space is provided elsewhere.
  - Existing to test projection No change, the space is well shy of the standard.

#### Other

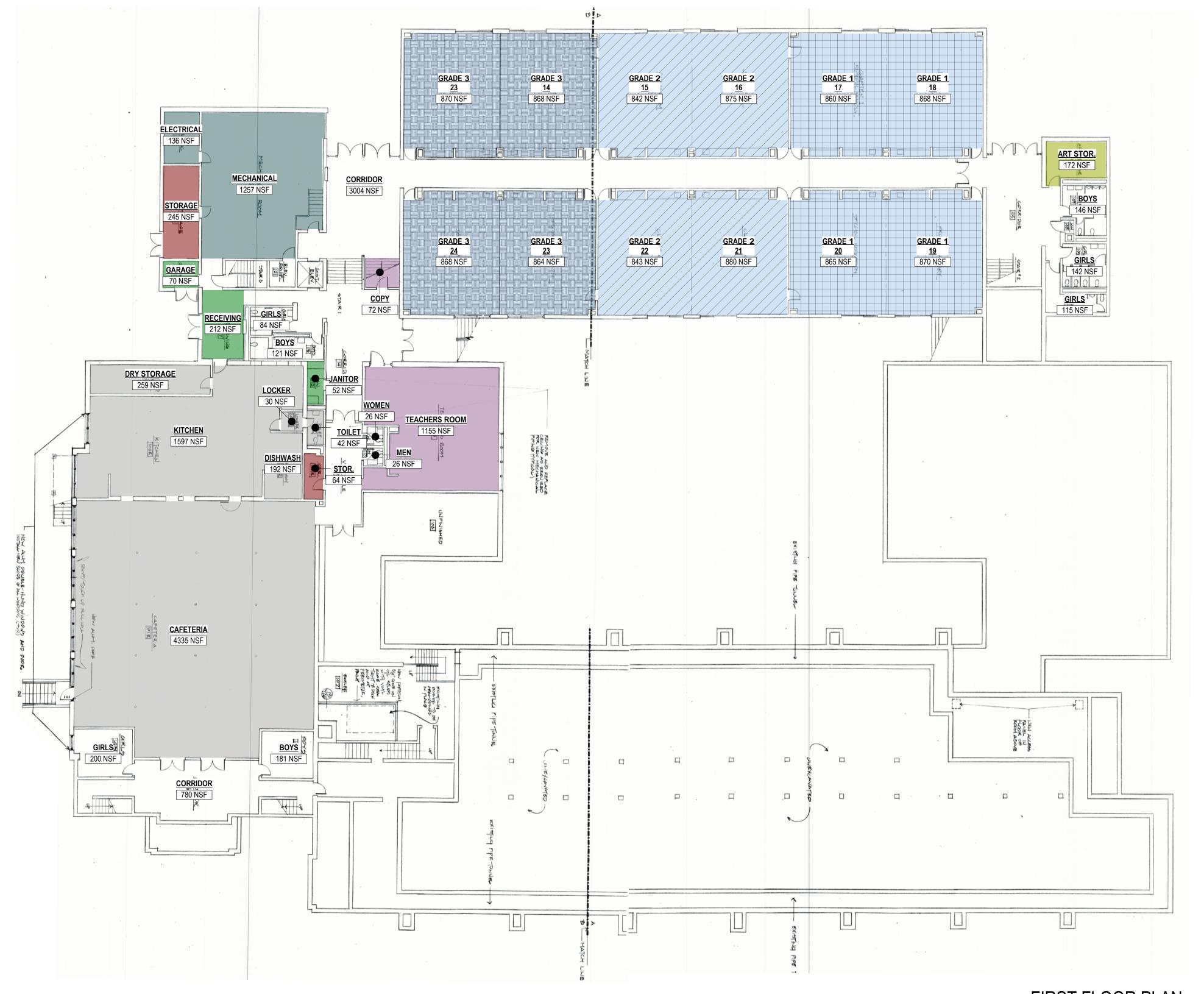
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- Nixon School no comments
- Haynes School no comments
- Loring School no comments

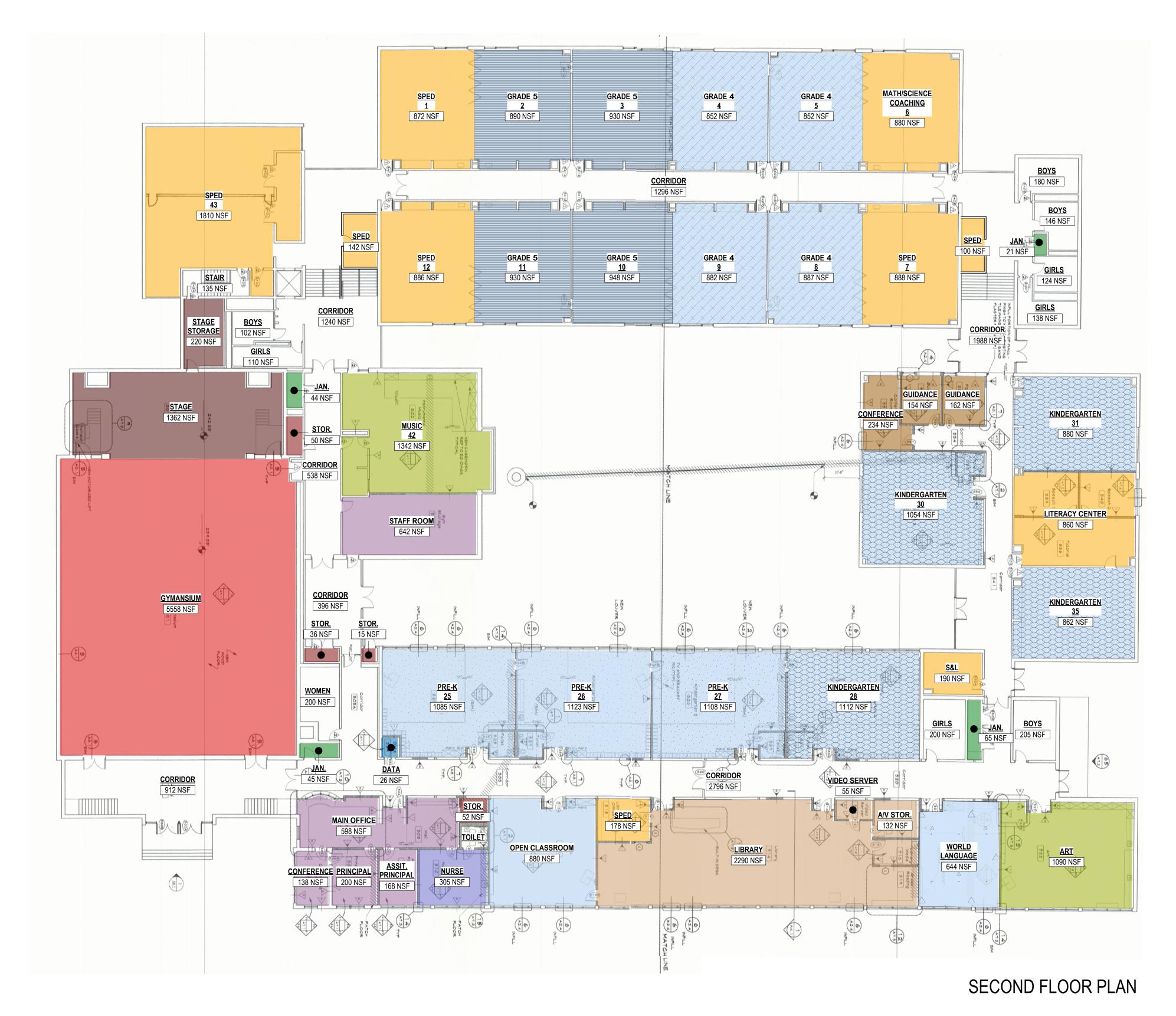
### Sudbury Elementary Schools Space Needs Study

<b>Enrollment Analysis</b>												by Classroo	oms Only			
									Capacity	Sections	2	Capacity				Develop +
	Pre-K	K	1	Grade 2	3	4	5	Totals	per SPS As-Built	per SPS Minimum		per MSBA As-Built	Availabla	NESDEC Proj SY '18-'19 SY		,
District maximum	16	20	22	22	ა 24	4 24	5 24		AS-Duill	IVIII III IIIIIII		A5-Duiil	Available	31 10-19 31	21-22	
DISTRICT MAXIMUM	10	20	22	22	24	24	24									
Enrollment Increase -								84 (K-8)								
Sudbury Station		9.33	9.33	9.33	9.33	9.33	9.33	32 (9-12)								
Enrollment Increase -								70 (K-8)								
Melone (Quarry North)		7.78	7.78	7.78	7.78	7.78	7.78	27 (9-12)								
Noyes (including Pre-	K)								**Pre-K inc	luded		**Pre-K inc	luded	**Pre-K include	ed	
Students Enrolled	48	77	87	86	86	84	73	541	592		597	•		572	599	
Sections (Classrooms)	3	4	4	4	4	4	4	27		27	:	27	1 to 3	28	29	32
Class Size Current	16.00	19.25	21.75	21.50	21.50	21.00	18.25	20.04			**Over with	n Pre-K				
Class Size w/ Station		21.58	24.08	23.83	23.83	23.33	20.58	22.11								
Delta with "maximum"		(1.58)	(2.08)	(1.83)	0.17	0.67	3.42									
Nixon																
Students Enrolled		35	53	44	69	58	78	337	390		393	440		347	328	384
Sections (Classrooms)		2	3	2	3	3	4	17		17	OK	17	2 to 4	15	14	. 17
Class Size Current		17.50	17.67	22.00	23.00	19.33	19.50	19.82								
Class Size w/ Station		22.17	20.78	26.67	26.11	22.44	21.83	23.12								
Delta with "maximum"		(2.17)	1.22	(4.67)	(2.11)	1.56	2.17									
Haynes																
Students Enrolled		53	53	60	64	73	54	357	432		404	480		367	377	424
Sections (Classrooms)		3	3	3	3	4	3	19		19	OK	21	1 to 2	16	17	19
Class Size Current		17.67	17.67	20.00	21.33	18.25	18.00	18.79								
Class Size w/ Melone		20.26	20.26	22.59	23.93	20.19	20.59	21.25								
Delta with "maximum"		(0.26)	1.74	(0.59)	0.07	3.81	3.41									
Loring																
Students Enrolled		74	67	83	90	64	97	475	544		531	575		486	488	544
Sections (Classrooms)		4	4	4	4	3	5	24		24	OK	25	1	21	22	24
Class Size Current		18.50	16.75	20.75	22.50	21.33	19.40	19.79								
Class Size w/ Station		20.83	19.08	23.08	24.83	24.44	21.27	22.13								
Delta with "maximum"		(0.83)	2.92	(1.08)	(0.83)	(0.44)	2.73									
Elementary Totals	48	239	260	273	309	279	302	1710	1958		1925	2058		1772	1792	

### Sudbury Elementary Schools Space Needs Study

<b>Enrollment Analysis</b>												by Classroo	oms Only			
				0 1					Capacity	Sections	2	Capacity		NEODEOD		Develop +
	Pre-K	K	1	Grade 2	3	4	5	Totals	per SPS As-Built	per SPS Minimum		per MSBA As-Built	Availabla	NESDEC P SY '18-'19 S	,	
District maximum	16	20	22	22	ა 24	4 24	5 24		AS-Duill	WIIIIIIIIIIII		A5-Duiil	Available	31 10-193	OY 21-22	
DISTRICT MAXIMUM	10	20	22	22	24	24	24									
Enrollment Increase -								84 (K-8)								
Sudbury Station		9.33	9.33	9.33	9.33	9.33	9.33	32 (9-12)								
Enrollment Increase -								70 (K-8)								
Melone (Quarry North)		7.78	7.78	7.78	7.78	7.78	7.78	27 (9-12)								
Noyes (excluding Pre									**Pre-K ex	cluded		**Pre-K exc	cluded	**Pre-K excl	uded	
Students Enrolled	48	77	87	86	86	84	73	493	544		549	•		524	551	
Sections (Classrooms)	3	4	4	4	4	4	4	24		24	:	24	1 to 3	23	24	27
Class Size Current	16.00	19.25	21.75	21.50	21.50	21.00	18.25	20.54			**Over with	n Pre-K				
Class Size w/ Station		21.58	24.08	23.83	23.83	23.33	20.58	22.88								
Delta with "maximum"		(1.58)	(2.08)	(1.83)	0.17	0.67	3.42									
Nixon																
Students Enrolled		35	53	44	69	58	78	337	390		393	•		347	328	
Sections (Classrooms)		2	3	2	3	3	4	17		17	OK	17	2 to 4	15	14	17
Class Size Current		17.50	17.67	22.00	23.00	19.33	19.50	19.82								
Class Size w/ Station		22.17	20.78	26.67	26.11	22.44	21.83	23.12								
Delta with "maximum"		(2.17)	1.22	(4.67)	(2.11)	1.56	2.17									
Haynes																
Students Enrolled		53	53	60	64	73	54	357	432		404	480		367	377	424
Sections (Classrooms)		3	3	3	3	4	3	19		19	OK	21	1 to 2	16	17	19
Class Size Current		17.67	17.67	20.00	21.33	18.25	18.00	18.79								
Class Size w/ Melone		20.26	20.26	22.59	23.93	20.19	20.59	21.25								
Delta with "maximum"		(0.26)	1.74	(0.59)	0.07	3.81	3.41									
Loring																
Students Enrolled		74	67	83	90	64	97	475	544		531	575		486	488	544
Sections (Classrooms)		4	4	4	4	3	5	24		24	OK	25	1	21	22	24
Class Size Current		18.50	16.75	20.75	22.50	21.33	19.40	19.79								
Class Size w/ Station		20.83	19.08	23.08	24.83	24.44	21.27	22.13								
Delta with "maximum"		(0.83)	2.92	(1.08)	(0.83)	(0.44)	2.73									
Elementary Totals	48	239	260	273	309	279	302	1662	1910		1877	2058		1724	1744	





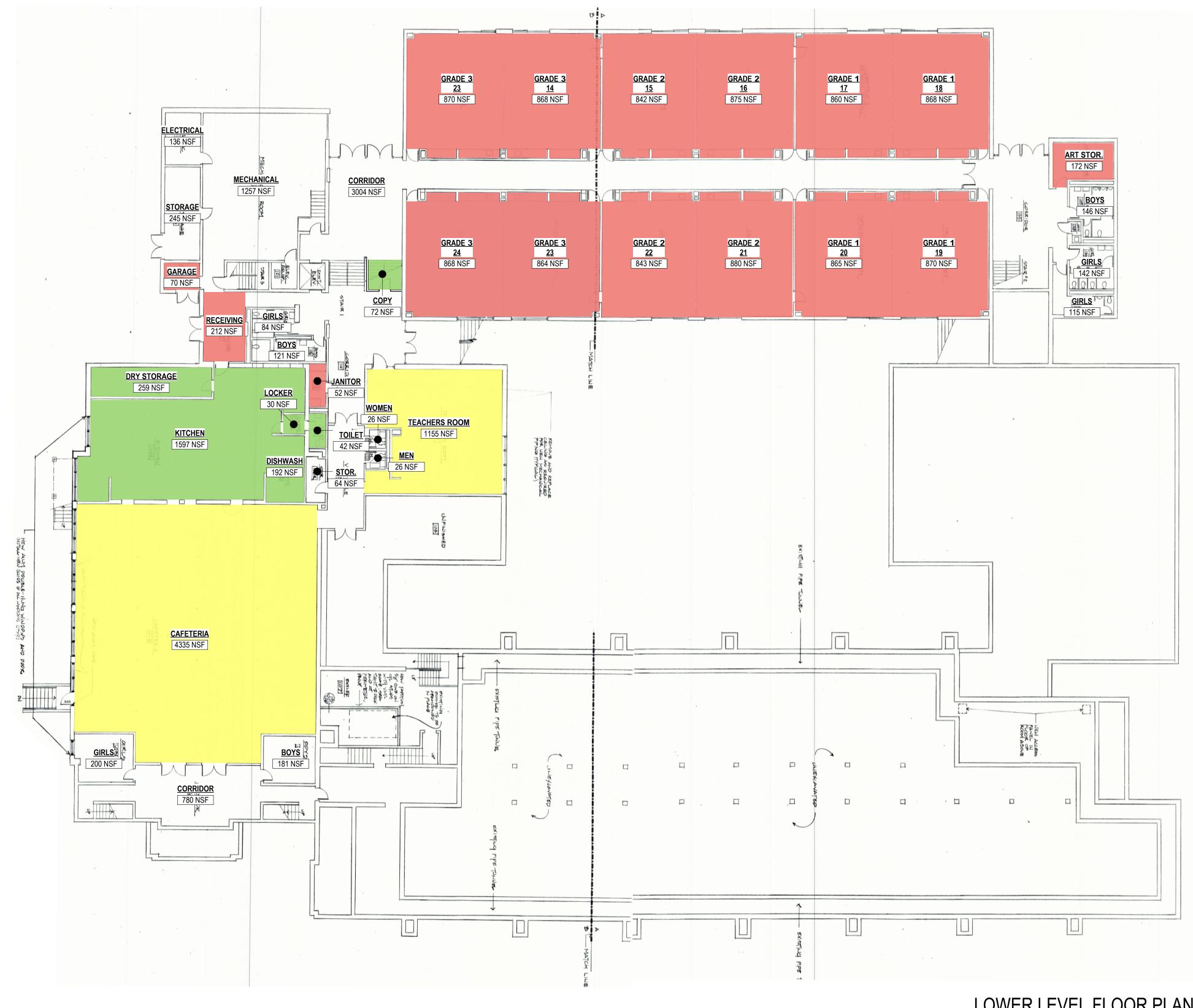
FIRST FLOOR PLAN

# **SPACE LEGEND**



TBA ARCHITECTS, INC.
ARCHITECTURE PROJECT MANAGEMENT







LOWER LEVEL FLOOR PLAN

## **ENROLLMENT**

	2018-2019
Peter Noyes Elementary School	541
Israel Loring Elementary School	476
General John Nixon Elementary	
School	337
Josiah Haynes Elementary School	357

# UTILIZATION: PETER NOYES ELEMENTARY SCHOOL

	# Periods/ week	% Used
Total Periods	35	
Gym	25	71%
Art	25	71%
Library	25	71%
Music	25	71%
Spanish	21	60%
Core Classroom	25	71%

**UTILIZATION LEGEND** DETERMINED BY TIME (NUMBER OF PERIODS / WEEK) USED AND/OR BY ROOM SIZE (SQUARE FOOTAGE).















# UTILIZATION: GENERAL JOHN NIXON ELEMENTARY SCHOOL

	minutes/day	% Used
Total Periods	380	
Gym	280	73%
Art & Music	280	73%
Library	280	73%
Computer	280	73%
Foriegn Langauge	280	73%
Core Classroom	90	76%

**ENROLLMENT** 

Peter Noyes Elementary School

Israel Loring Elementary School

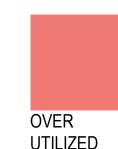
General John Nixon Elementary

Josiah Haynes Elementary School

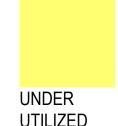
**UTILIZATION LEGEND** 

DETERMINED BY TIME (NUMBER OF PERIODS / WEEK) USED AND/OR BY









TBA ARCHITECTS, INC.
ARCHITECTURE 43 BRADFORD STREET, CONCORD MA. 01742 TEL (781)893-5828 FAX (781)893-5834 www.tbaarchitects.com















# **ENROLLMENT**

	2018-2019
Peter Noyes Elementary School	541
Israel Loring Elementary School	476
General John Nixon Elementary	
School	337
Josiah Haynes Elementary School	357

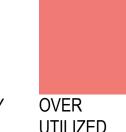
## UTILIZATION: JOSIAH HAYNES ELEMENTARY SCHOOL

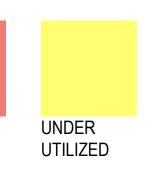
# Periods/ week	% Used
40	
30	75%
30	75%
24	60%
31	78%
21	53%
	40 30 30 24 31

# **UTILIZATION LEGEND**

DETERMINED BY TIME (NUMBER OF PERIODS / WEEK) USED AND/OR BY ROOM SIZE (SQUARE FOOTAGE).











ISRAEL LORING ELEMENTARY SCHOOL EXISTING UTILIZATION SPACE USE PLANS



8 OCTOBER 2018 NOT FOR CONSTRUCTION TBA PROJECT # 1315

UTILIZED

TBA ARCHITECTS, INC.
ARCHITECTURE PROJECT MANAGEMENT



#### Existing School Compared to MSBA Model w/ Pre-K

Noyes Elementary	Ex	isting Cond	litions		(refer			Guidelines ram & Space Standard Guidelines)
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments
CORE ACADEMIC SPACES		<u>27</u>	25,416	93%		27	27,400	
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet	1,100	3	3,300		1,200	3	3,600	1,100 SF min - 1,300 SF max
Kindergarten w/ toilet	1,100 1,054	1	1,100 1,054		1,200	4	4,800	1,100 SF min - 1,300 SF max
	862 880	1	862 880					
General Classrooms - Grade 1-6	852 885	2	1,704 1,770		950	20	19,000	900 SF min - 1,000 SF max
	890 930	1 2	890 1,860					
	948 870	1 8	948 6,960					
	842 880	2	1,684 1,760					
World Language	644	1	644					
SPECIAL EDUCATION			6,706	111%			6,040	
(List rooms of different sizes separately) Self-Contained SPED	178	1	178		950	4	3,800	900-1,300 SF equal to surrounding classrooms
S&L	190 142	1	190 142					
Self-Contained SPED - toilet Resource Room					60 500	4 3	240 1,500	1/2 size Genl. Clrm.
Literacy Center Math/Science Coaching	860 880	1	860 880		000	Ů	1,000	THE SILES COMM. CHITI.
SPED 1	888	1	888					
SPED 1 SPED 12 SPED 43	872 886 1,810	1 1	872 886 1,810					
Small Group Room / Reading	1,010	1	1,810		500	1	500	1/2 size Genl. Clrm.
ART & MUSIC			2,604	69%			3,800	
Art Classroom - 25 seats Art Workroom w/ Storage & kiln	1,000 90	1	1,000 90		1,000 150	2	2,000 300	assumed schedule 2 times / week / student
Music Classroom / Large Group - 25-50 seats	172 1,342	1	172 1,342		1,200	1	1,200	assumed schedule 2 times / week / student
Music Practice / Ensemble					75	4	300	
HEALTH & PHYSICAL EDUCATION  Gymnasium	5,558	1	<b>5,558</b> 5,558	88%	6,000	1	<b>6,300</b> 6,000	6000 SF Min. Size
Gym Storeroom Health Instructor's Office w/ Shower & Toilet	-,,		2,000		150 150	1 1	150 150	
			2 177	000/	130	'		
Media Center / Reading Room	2,290	1	<b>2,477</b> 2,290	80%	3,105	1	<b>3,105</b> 3,105	
A/V Storage Video Server	132 55	1	132 55					
DINING & FOOD SERVICE			8,679	116%			7,514	
Cafeteria / Dining Stage	4,335 1,362	1	4,335 1,362		4,058 1,000	1	4,058 1,000	2 seatings - 15SF per seat
Stage Storage Chair / Table / Equipment Storage	220	1	220 0		380	1	380	
Kitchen Dishwash	1,597 192	1	1,597 192		1,841	1	1,841	1600 SF for first 300 + 1 SF/student Add'l
Dry Storage Locker	259 30	1	259 30					
Kitchen Staff Toilet Staff Lunch Room	42 642	1	42 642		235	1	235	20 SF/Occupant
	042	·		F70/	200			20 Of Foccupant
MEDICAL  Medical Suite Toilet	45	1	<b>350</b> 45	57%	60	1	<b>610</b>	
Nurses' Office / Waiting Room Examination Room / Resting	305	1	305		250 100	3	250 300	
ADMINISTRATION & GUIDANCE			2,927	122%			2,406	
General Office / Waiting Room / Toilet Teachers' Mail and Time Room	398 200	1	398 200		421 100	1	421 100	
Duplicating Room Records Room	72 52	1	72 52		150 110	1	150 110	
Principal's Office w/ Conference Area Principal's Secretary / Waiting	200	1	200		375 125	1	375 125	
Assistant Principal's Office Supervisory / Spare Office	168	1	168 0		120 120	0	- 120	
Conference Room Guidance Office	138 155	1 2	138 310		250 150	1 2	250 300	
Guidance conference Guidance Storeroom	234	1	234		35	1	35	
Teachers' Work Room	1,155	1	1,155		421	1	421	
CUSTODIAL & MAINTENANCE			1,719	80%	450	4	2,141	
Custodian's Office Custodian's Workshop			0		150 375	1	150 375	
Custodian's Storage  Recycling Room / Trash	1,184 70	1	1,184 70		375 400	1	375 400	
Receiving and General Supply Storeroom	212 45	1	212 45		280 361	1	280 361	
	65 21	1	65 21					
	44 52	1	44 52					
Network / Telecom Room	26	1	26		200	1	200	
OTHER Other (specify)			<b>0</b>	#DIV/0!			0	
			Ĭ					
Total Building Net Floor Area (NFA)			56,436	95%			59,316	
Proposed Student Capacity / Enrollment			541				541	
NON-PROGRAMMED SPACES			17,452	#DIV/0!				
Other Occupied Rooms (list separately)			0					Non-Programmed space areas are required to be included in the
			0					following submittals: Schematic Design Submittal
Unoccupied MEP/FP Spaces	1,257.00	1	1,257					Design Development Submittal
Boiler electrical	546.00 136.00	1	546 136					
Unoccupied Closets, Supply Rooms & Storage Roo	245.00	1	245 64					60% Construction Documents
	64.00 36.00	1	36					
	15.00 50.00	1	15 50					
Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	2,446.00	1	2,446					90% Construction Documents
Circulation (corridors, stairs, ramps & elevators)  Remaining <sup>3</sup>	12,657.00 10,658.00	1	12,657 10,658					Final Construction Documents
Total Building Gross Floor Area (GFA) <sup>2</sup>			84,546	103%			82,169	
Grossing factor (GFA/NFA)			1.50	108%			1.39	
C. COOKING ROOK (OF AVINEA)	i .	1	1.30	100%		1	1.39	l

### Existing School Compared to Projected Enrollment MSBA Model

Noyes Elementary	Exi	isting Cond	litions		(refer	to MSBA E		Guidelines ram & Space Standard Guidelines)
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments
ORE ACADEMIC SPACES		<u>27</u>	25,416	86%		29	29,550	
(List classrooms of different sizes separately) Pre-Kindergarten w/ toilet	1,100	3	3,300		1,200	3	3,600	1,100 SF min - 1,300 SF max
Kindergarten w/ toilet	1,100 1,054	1	1,100 1,054		1,200	5	6,000	1,100 SF min - 1,300 SF max
	862 880	1	862 880					
General Classrooms - Grade 1-6	852 885	2	1,704 1,770		950	21	19,950	900 SF min - 1,000 SF max
	890 930	1 2	890 1,860					
	948 870	1 8	948					
	842	2	6,960 1,684					
World Language	880 644	2	1,760 644			-		
PECIAL EDUCATION			6,706	111%			6,040	
(List rooms of different sizes separately)				,				
Self-Contained SPED S&L	178 190	1	178 190		950	4	3,800	900-1,300 SF equal to surrounding classrooms
Self-Contained SPED - toilet	142	1	142		60	4	240	
Resource Room Literacy Center	860	1	860		500	3	1,500	1/2 size Genl. Clrm.
Math/Science Coaching	880	1	880					
SPED 1	888 872	1	888 872					
SPED 12 SPED 43	886 1,810	1	886 1,810					
Small Group Room / Reading					500	1	500	1/2 size Genl. Clrm.
RT & MUSIC Art Classroom - 25 seats	1 000	4	<b>2,604</b>	52%	1,000	2	<b>5,000</b>	accumad schoolule 2 forms (m. 1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1
Art Classroom - 25 seats Art Workroom w/ Storage & kiln	1,000 90	1	1,000		1,000 150	2 2	2,000 300	assumed schedule 2 times / week / student
Music Classroom / Large Group - 25-50 seats	172 1,342	1	172 1,342		1,200	2	2,400	assumed schedule 2 times / week / student
Music Practice / Ensemble					75	4	300	
EALTH & PHYSICAL EDUCATION	E EEO	4	5,558	88%	6.000	1	6,300	2000 0514. 0:
Gymnasium  Gym Storeroom	5,558	1	5,558		6,000 150	1	6,000 150	6000 SF Min. Size
Health Instructor's Office w/ Shower & Toilet					150	1	150	
Media Center / Reading Room	2,290	1	<b>2,477</b> 2,290	74%	3.357	1	<b>3,357</b> 3,357	
A/V Storage	132	1	132		0,007		0,007	
Video Server	55	1	55					
INING & FOOD SERVICE Cafeteria / Dining	4,335	1	<b>8,679</b> 4,335	108%	4,478	1	<b>8,023</b> 4,478	2 seatings - 15SF per seat
Stage Stage Storage	1,362 220	1	1,362 220		1,000	1	1,000	
Chair / Table / Equipment Storage Kitchen		1	0 1,597		399 1,897	1 1	399 1,897	ACOO CE for first 200 v. A. CE foto dont A. Juli
Dishwash	1,597 192	1	192		1,697	1	1,097	1600 SF for first 300 + 1 SF/student Add'l
Dry Storage Locker	259 30	1	259 30					
Kitchen Staff Toilet Staff Lunch Room	42 642	1	42 642		249	1	249	20 SF/Occupant
IEDICAL			350	57%			610	
Medical Suite Toilet Nurses' Office / Waiting Room	45 305	1	45	37 /6	60	1 1	60	
Examination Room / Resting	305	1	305		250 100	3	250 300	
DMINISTRATION & GUIDANCE			2,927	119%			2,462	
General Office / Waiting Room / Toilet Teachers' Mail and Time Room	398 200	1	398 200		449 100	1	449 100	
Duplicating Room Records Room	72 52	1	72 52		150 110	1 1	150 110	
Principal's Office w/ Conference Area	200	1	200		375	1	375	
Principal's Secretary / Waiting Assistant Principal's Office	168	1	0 168		125 120	0	125	
Supervisory / Spare Office Conference Room	138	1	138		120 250	1	120 250	
Guidance Office Guidance conference	155 234	2	310 234		150	2	300	
Guidance Storeroom Teachers' Work Room	1,155	1	0 1,155		35 449	1 1	35 449	
	1,155	1			449	1		
USTODIAL & MAINTENANCE Custodian's Office			<b>1,719</b>	78%	150	1	<b>2,197</b> 150	
Custodian's Workshop Custodian's Storage	1,184	1	0 1,184		375 375	1 1	375 375	
Recycling Room / Trash Receiving and General Supply	70	1	70		400 299	1 1	400 299	
Storeroom	45	1	45		398	1	398	
	65 21	1	65 21					
	44 52	1	44 52					
Network / Telecom Room	26	1	26		200	1	200	
THER Other (enceits)			0	#DIV/0!			0	
Other (specify)			0					
Total Building Net Floor Area (NFA)			56,436	89%			63,538	
Proposed Student Capacity / Enrollment			541				597	
				l .			351	
Other Occupied Rooms (list separately)			<b>17,452</b>	#DIV/0!				Non-Programmed space areas are
, (not opportunity)			0					required to be included in the
			0					following submittals: Schematic Design Submittal
Unoccupied MEP/FP Spaces	1,257.00	1	1,257					Design Development Submittal
Boiler electrical	546.00 136.00	1	546 136					
Unoccupied Closets, Supply Rooms & Storage Ro	245.00	1	245					60% Construction Documents
	64.00 36.00	1	64 36					
	15.00 50.00	1	15 50				·	
Toilet Rooms	2,446.00	1	2,446					90% Construction Documents
Circulation (corridors, stairs, ramps & elevators) Remaining <sup>3</sup>	12,657.00 10,658.00	1	12,657 10,658					Final Construction Documents
	,230.00							
Total Building Gross Floor Area (GFA) <sup>2</sup>	1		84,546	97%			86,774	
Grossing factor (GFA/NFA)			1.50	110%			1.37	

### Existing School Compared to MSBA Model

					Date: Enter Date					
Nixon Elementary	Existing Conditions			MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)						
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments		
CORE ACADEMIC SPACES		<u>19</u>	17,670	118%		15	15,000			
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet					1,200		-	1,100 SF min - 1,300 SF max		
Kindergarten w/ toilet	1,180	2	2,360		1,200	3	3,600	1,100 SF min - 1,300 SF max		
General Classrooms - Grade 1-6	892	11	9,812		950	12	11,400	900 SF min - 1,000 SF max		
	875 1,014	1	1,750 1,014							
Open CR 10	883 892	1	883 892							
Foreign Language	959	1	959							
SPECIAL EDUCATION			5,142	114%			4,530			
(List rooms of different sizes separately)			5,142	11470						
Self-Contained SPED SPED 3	450	1	450		950	3	2,850	900-1,300 SF equal to surrounding classrooms		
SPED 39 SPED 24	285 893	1	285 893							
SPED 25	883	1	883							
Learning Center 27 ELL/METCO Rm 31	883 870	1	883 870							
Self-Contained SPED - toilet  Resource Room	878	1	878		60 500	3	180 1,000	1/2 size Genl. Clrm.		
Small Group Room / Reading					500	1	500	1/2 size Genl. Clrm.		
ART & MUSIC	1 100	1	2,154	86%	1.000	1	2,500	aggree and a should be 2 times a / week / at wheat		
Art Classroom - 25 seats Art Workroom w/ Storage & kiln	1,100 25	1	1,100 25		1,000 150	1	1,000 150	assumed schedule 2 times / week / student		
Art Storage  Music Classroom / Large Group - 25-50 seats	80 949	1	80 949		1,200	1	1,200	assumed schedule 2 times / week / student		
Music Practice / Ensemble					75	2	150			
HEALTH & PHYSICAL EDUCATION  Gymnasium	3,962	1	<b>4,627</b> 3,962	73%	6,000	1	<b>6,300</b> 6,000	6000 SF Min. Size		
Gym Storeroom	300	1	300		150	1	150	0000 SF Will. Size		
Health Instructor's Office w/ Shower & Toilet	365	1	365		150	1	150			
MEDIA CENTER  Media Center / Reading Room	1,662	1	<b>2,845</b> 1,662	130%	2,187	1	<b>2,187</b> 2,187			
Rm 2 Rm 40	137 152	1	137 152				,			
Computer Lab 22	894	1	894							
DINING & FOOD SERVICE			5,146	91%			5,677			
Cafeteria / Dining Stage	3,000 682	1	3,000 682		2,528 1,000	1	2,528 1,000	2 seatings - 15SF per seat		
Chair / Table / Equipment Storage Kitchen	90 866	1	90 866		312 1,637	1	312 1,637	1600 SF for first 300 + 1 SF/student Add'l		
cooler	60 448	1	60 448		200					
Staff Lunch Room	448	1			200	1	200	20 SF/Occupant		
MEDICAL  Medical Suite Toilet	20	1	<b>394</b> 20	77%	60	1	<b>510</b>			
Nurses' Office / Waiting Room Examination Room / Resting	374	1	374		250 100	1 2	250 200			
ADMINISTRATION & GUIDANCE			1,754	85%			2,052			
General Office / Waiting Room / Toilet Teachers' Mail and Time Room	70	1	70		319 100	1	319 100			
Duplicating Room Records Room					150 110	1	150 110			
Principal's Office w/ Conference Area Principal's Secretary / Waiting	161 225	1	161 225		375 125	1	375 125			
Assistant Principal's Office	160		160		120	0	-			
Supervisory / Spare Office Conference Room	363		363		120 250	1	120 250			
Guidance Office Guidance Storeroom	452	1	452		150 35	1	150 35			
Adjustment Counselor Psychologist	165 158	1	165 158				-			
Teachers' Work Room					319	1	319			
CUSTODIAL & MAINTENANCE			626	32%			1,937			
Custodian's Office Custodian's Workshop					150 375	1	150 375			
Custodian's Storage Recycling Room / Trash	378	1	378		375 400	1	375 400			
Receiving and General Supply Storeroom	60	1	60		212 225	1	212 225			
	64 124	1	64 124				223			
Network / Telecom Room	124	'	124		200	1	200			
<u>OTHER</u>			864	#DIV/0!			0			
Other (specify)  Districtwide Science Curriculum Storage 30	864	1	864							
		_	-3.							
Total Building Net Floor Area (NFA)			41,222				40,692			
Proposed Student Capacity / Enrollment			337				337			
NON-PROGRAMMED SPACES			11,979	#DIV/0!						
Other Occupied Rooms (list separately)	045							Non-Programmed space areas are		
PTO	218.00	1	218					required to be included in the following submittals:		
Unaccupied MED/ED Second	504.00	4						Schematic Design Submittal  Design Development Submittal		
Unoccupied MEP/FP Spaces	594.00 oms	1	594					60% Construction Documents		
Unoccupied Closets, Supply Rooms & Storage Ro			70							
Unoccupied Closets, Supply Rooms & Storage Ro	70.00	1								
	70.00 100.00	1	100							
Unoccupied Closets, Supply Rooms & Storage Ro  Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	70.00							90% Construction Documents Final Construction Documents		
Toilet Rooms	70.00 100.00 2,181.00	1	2,181							
Toilet Rooms Circulation (corridors, stairs, ramps & elevators) Remaining <sup>3</sup>	70.00 100.00 2,181.00 8,816.00	1 1 1	2,181 8,816 57,498	99%			59.205			
Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	70.00 100.00 2,181.00 8,816.00	1 1 1	2,181 8,816				59,205 1.45			

### Existing School Compared to Projected Enrollment MSBA Model

					Date: Enter Date					
Nixon Elementary	Existing Conditions				MSBA Guidelines (refer to MSBA Educational Program & Space Standard Guidelines)					
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments		
CORE ACADEMIC SPACES		<u>19</u>	17,670	105%		17	16,900			
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet					1,200			1,100 SF min - 1,300 SF max		
Kindergarten w/ toilet	1,180	2	2,360		1,200	3	3,600	1,100 SF min - 1,300 SF max		
General Classrooms - Grade 1-6	892	11	9,812		950	14	13,300	900 SF min - 1,000 SF max		
	875 1,014	1	1,750 1,014							
Open CR 10	883 892	1	883 892							
Foreign Language	959	1	959							
SPECIAL EDUCATION			5,142	114%			4,530			
(List rooms of different sizes separately) Self-Contained SPED			0,1.12	,	050	2	·			
SPED 3	450	1	450		950	3	2,850	900-1,300 SF equal to surrounding classrooms		
SPED 39 SPED 24	285 893	1	285 893							
SPED 25 Learning Center 27	883 883	1	883 883							
ELL/METCO Rm 31 Self-Contained SPED - toilet	870	1	870		60	3	180			
Resource Room Small Group Room / Reading	878	1	878		500 500	2	1,000	1/2 size Genl. Clrm. 1/2 size Genl. Clrm.		
			0.454	0.40/	300	'		1/2 Size Geni. Ginn.		
Art & MUSIC  Art Classroom - 25 seats  Art Worksoom w/ Storage & kills	1,100	1	<b>2,154</b> 1,100	84%	1,000	1	<b>2,575</b> 1,000	assumed schedule 2 times / week / student		
Art Workroom w/ Storage & kiln  Art Storage	25 80	1	25 80		150	1	150			
Music Classroom / Large Group - 25-50 seats  Music Practice / Ensemble	949	1	949		1,200 75	3	1,200 225	assumed schedule 2 times / week / student		
HEALTH & PHYSICAL EDUCATION			4,627	73%			6,300			
Gymnasium Gym Storeroom	3,962 300	1	3,962 300		6,000 150	1	6,000 150	6000 SF Min. Size		
Health Instructor's Office w/ Shower & Toilet	365	1	365		150	1	150			
MEDIA CENTER  Media Center / Reading Room	1,662	1	<b>2,845</b> 1,662	117%	2,439	1	<b>2,439</b> 2,439			
Rm 2 Rm 40	137 152	1	137 152		2,400		2,400			
Computer Lab 22	894	1	894							
DINING & FOOD SERVICE			5,146	83%			6,171			
Cafeteria / Dining Stage	3,000 682	1	3,000 682		2,948 1,000	1	2,948 1,000	2 seatings - 15SF per seat		
Chair / Table / Equipment Storage Kitchen	90 866	1	90 866		331 1,693	1	331 1,693	1600 SF for first 300 + 1 SF/student Add'l		
cooler Staff Lunch Room	60 448	1	60 448		200	1	200	20 SF/Occupant		
MEDICAL MEDICAL			394	77%			510			
Medical Suite Toilet Nurses' Office / Waiting Room Examination Room / Resting	20 374	1	20 374		60 250 100	1 1 2	60 250 200			
-			4.754	020/	100	2				
ADMINISTRATION & GUIDANCE  General Office / Waiting Room / Toilet	70	1	<b>1,754</b>	83%	347	1	<b>2,108</b> 347			
Teachers' Mail and Time Room Duplicating Room					100 150	1	100 150			
Records Room Principal's Office w/ Conference Area	161	1	161		110 375	1	110 375			
Principal's Secretary / Waiting Assistant Principal's Office	225 160		225 160		125 120	0	125			
Supervisory / Spare Office Conference Room	363		363		120 250	1	120 250			
Guidance Office Guidance Storeroom	452	1	452		150 35	1	150 35			
Adjustment Counselor Psychologist	165 158	1	165 158							
Teachers' Work Room					347	1	347			
CUSTODIAL & MAINTENANCE Custodian's Office			626	31%	150	1	<b>1,993</b>			
Custodian's Workshop Custodian's Storage	378	1	378		375 375	1 1	375 375			
Recycling Room / Trash Receiving and General Supply	5,0		576		400	1 1	400			
Storeroom	60 64	1	60		262	1	262			
Network / Telesom Poom	124	1	124		200	1	200			
Network / Telecom Room					200	1				
OTHER Other (specify)			864	#DIV/0!			0			
Districtwide Science Curriculum Storage 30	864	1	864							
Total Building Net Floor Area (NFA)			41,222	95%			43,526			
Proposed Student Capacity / Enrollment			337				393			
			11,979	#DIV/0!						
INCHERUGRANINELI SPALES			11,979	!۱۷/∪				Non-Programmed space areas are		
NON-PROGRAMMED SPACES Other Occupied Rooms (list separately)					-			required to be included in the		
	218.00	1	218					following submittals:		
Other Occupied Rooms (list separately) PTO								following submittals: Schematic Design Submittal		
Other Occupied Rooms (list separately)	594.00 oms	1	594					following submittals:		
Other Occupied Rooms (list separately) PTO  Unoccupied MEP/FP Spaces	594.00							following submittals: Schematic Design Submittal Design Development Submittal		
Other Occupied Rooms (list separately) PTO  Unoccupied MEP/FP Spaces Unoccupied Closets, Supply Rooms & Storage Ro	594.00 oms 70.00 100.00	1 1 1	594 70 100					following submittals: Schematic Design Submittal Design Development Submittal 60% Construction Documents		
Other Occupied Rooms (list separately) PTO  Unoccupied MEP/FP Spaces Unoccupied Closets, Supply Rooms & Storage Ro  Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	594.00 oms 70.00 100.00 2,181.00 8,816.00	1 1 1 1 1 1	70 100 2,181 8,816					following submittals: Schematic Design Submittal Design Development Submittal		
Other Occupied Rooms (list separately) PTO  Unoccupied MEP/FP Spaces Unoccupied Closets, Supply Rooms & Storage Ro  Toilet Rooms Circulation (corridors, stairs, ramps & elevators) Remaining <sup>3</sup>	594.00 oms 70.00 100.00	1 1 1 1	594 70 100 2,181					following submittals: Schematic Design Submittal Design Development Submittal 60% Construction Documents 90% Construction Documents		
Other Occupied Rooms (list separately) PTO  Unoccupied MEP/FP Spaces Unoccupied Closets, Supply Rooms & Storage Ro  Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	594.00 oms 70.00 100.00 2,181.00 8,816.00	1 1 1 1 1 1	70 100 2,181 8,816				66,476	following submittals: Schematic Design Submittal Design Development Submittal 60% Construction Documents 90% Construction Documents		

## Existing School Compared to MSBA Model

Haynes Elementary	Exi	sting Cond	litions					Enter Submittal  Guidelines
ROOMTYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		(refer	# OF RMS	ducational Prog	ram & Space Standard Guidelines)  Comments
	NFA				NFA			
CORE ACADEMIC SPACES (List classrooms of different sizes separately)		<u>21</u>	18,745	118%		16	15,950	
Pre-Kindergarten w/ toilet Kindergarten w/ toilet	1,190	2	2,380		1,200 1,200	3	3,600	1,100 SF min - 1,300 SF max 1,100 SF min - 1,300 SF max
Kindergarten 10, no toilet General Classrooms - Grade 1-6	879	1	879		950	13	12,350	900 SF min - 1,000 SF max
	880 846 816	3 1 1	2,640 846 816					
	835 875	3	2,505 1,750			-		
	863 855	3 2	2,589 1,710					
Spanish 23	900 830	2	1,800					
SPECIAL EDUCATION			5,899	130%			4,530	
(List rooms of different sizes separately) Self-Contained SPED			0,000	10070	950	3	2,850	900-1,300 SF equal to surrounding classrooms
STEPS PARTNERS Program Rms 8 and 9	865 1,135	1 2	865 2,270		000		2,000	500 1,000 or equal to outloanding dissolvents
Self-Contained SPED - toilet Resource Room	50 916	2	100		60 500	3 2	180 1,000	1/2 size Genl. Clrm.
ELL Learning Center	290 858	1	290 858					
OT/PT Small Group Room / Reading	600	1	600		500	1	500	1/2 size Genl. Clrm.
ART & MUSIC			1,809	72%			2,500	
Art Classroom - 25 seats Art Workroom w/ Storage & kiln	894 54	1 2	894 108		1,000 150	1	1,000 150	assumed schedule 2 times / week / student
Music Classroom / Large Group - 25-50 seats Music Practice / Ensemble	807	1	807		1,200 75	1 2	1,200 150	assumed schedule 2 times / week / student
HEALTH & PHYSICAL EDUCATION			6,253	99%			6,300	
Gymnasium Gym Storeroom	5,896 265	1	5,896 265		6,000 150	1	6,000 150	6000 SF Min. Size
Health Instructor's Office w/ Shower & Toilet	92	1	92		150	1	150	
MEDIA CENTER  Media Center / Reading Room	2,072	1	<b>2,547</b> 2,072	112%	2,277	1	<b>2,277</b> 2,277	
Media Work Library Office	205 128	1	205 128					
A/V	142	1	142					
DINING & FOOD SERVICE  Cafeteria / Dining	2,410	1	<b>8,088</b> 2,410	138%	2,678	1	<b>5,853</b> 2,678	2 seatings - 15SF per seat
Stage Auditorium	1,045 2,346	1	1,045 2,346		1,000	1	1,000	
Chair / Table / Equipment Storage Kitchen	1,035	1	1,035		319 1,657	1	319 1,657	1600 SF for first 300 + 1 SF/student Add'l
Food Storage Cooler/Freezer	144 148	1 1 1	144 148 140					
Dishroom Kitchen Toilet Staff Lunch Room	140 72 748	1 1	72 748		200	1	200	20 SF/Occupant
MEDICAL	740	·	426	84%	200		510	20 Of Foccupant
Medical Suite Toilet  Nurses' Office / Waiting Room	48 78	1 1	48 78	04%	60 250	1 1	60 250	
Examination Room / Resting	300	1	300		100	2	200	
ADMINISTRATION & GUIDANCE General Office / Waiting Room / Toilet	170	1	<b>2,484</b> 170	120%	329	1	<b>2,072</b> 329	
Teachers' Mail and Time Room  Duplicating Room					100	1 1	100 150	
Records Room Principal's Office w/ Conference Area	200	1	200		110 375	1 1	110 375	
Principal's Secretary / Waiting Assistant Principal's Office	727	1	727		125 120	1 0	125	
Supervisory / Spare Office Conference Room	277	1	277		120 250	1	120 250	
Guidance Office Office	622 115	1	622 115		150	1	150	
Psychologist Guidance Storeroom	373	1	373		35	1	35	
Teachers' Work Room					329	1	329	
CUSTODIAL & MAINTENANCE  Custodian's Office			455	23%	150	1	<b>1,957</b>	
Custodian's Workshop Custodian's Storage	308	1	308		375 375	1 1	375 375	
Recycling Room / Trash Receiving and General Supply	00		-		400 219	1 1	219 239	
Storeroom  Network / Telecom Poom	33 30 20	1 1 1	33 30 20		238	1	238	
Network / Telecom Room	64	1	64		∠00	1	200	
OTHER Other (specify)			0	#DIV/0!			0	
ουτοι τοροσίε <i>γ)</i>								
Total Building Net Floor Area (NFA)			46,706	111%			41,949	
Proposed Student Capacity / Enrollment							357	
NON-PROGRAMMED SPACES			10,072	#DIV/0!				Non Drows
Other Occupied Rooms (list separately)								Non-Programmed space areas are required to be included in the
								following submittals: Schematic Design Submittal
Unoccupied MEP/FP Spaces Boiler Room	290.00	1	290					Design Development Submittal
Electrical	150.00	1 1	150 20					
Electrical Unoccupied Closets, Supply Rooms & Storage Ro	92.00	1	92					60% Construction Documents
опосоарное оновета, опрру recombs a storage Ro	84.00	1	84					5575 SSHBIIGGION DOCUMENTS
	95.00 118.00	1	95 118					
	68.00 58.00	1	68 58					
Outdoor Storage	40.00 42.00	2	80 42					
Toilet Rooms	1,035.00	1	1,035					90% Construction Documents
Circulation (corridors, stairs, ramps & elevators)  Remaining <sup>3</sup>	7,940.00 5,089.00	1	7,940 5,089					Final Construction Documents
Total Building Gross Floor Area (GFA) <sup>2</sup>			61,867	100%			61,886	
Grossing factor (GFA/NFA)	1		1.32	90%			1.48	
Glossing factor (GLA/14LA)			1.32	3076			1.40	

## Existing School Compared to Projected Enrollment MSBA Model

Harman Element			n	Ī		Date.	Enter Date MSBA 0	Enter Submittal
Haynes Elementary	Exi	sting Cond	litions		(refer	to MSBA E		ram & Space Standard Guidelines)
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments
CORE ACADEMIC SPACES		21	18,745	105%		18	17,850	
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet					1,200			1 100 SE min. 1 200 SE may
Kindergarten w/ toilet Kindergarten 10, no toilet	1,190	2	2,380		1,200	3	3,600	1,100 SF min - 1,300 SF max 1,100 SF min - 1,300 SF max
General Classrooms - Grade 1-6	879	1	879		950	15	14,250	900 SF min - 1,000 SF max
	880 846	3	2,640 846					
	816 835	3	816 2,505					
	875 863	3	1,750 2,589					
	855 900	2	1,710 1,800					
Spanish 23	830	1	830					
SPECIAL EDUCATION  (List rooms of different sizes separately)			5,899	130%			4,530	
Self-Contained SPED STEPS	865	1	865		950	3	2,850	900-1,300 SF equal to surrounding classrooms
PARTNERS Program Rms 8 and 9 Self-Contained SPED - toilet	1,135	2	2,270		60	2	100	
Resource Room	50 916	1	100 916		60 500	3	180 1,000	1/2 size Genl. Clrm.
ELL Learning Center	290 858	1	290 858					
OT/PT Small Group Room / Reading	600	1	600		500	1	500	1/2 size Genl. Clrm.
ART & MUSIC			1,809	70%			2,575	
Art Classroom - 25 seats Art Workroom w/ Storage & kiln	894 54	1 2	894 108		1,000 150	1	1,000 150	assumed schedule 2 times / week / student
Music Classroom / Large Group - 25-50 seats Music Practice / Ensemble	807	1	807		1,200 75	1 3	1,200 225	assumed schedule 2 times / week / student
HEALTH & PHYSICAL EDUCATION			6,253	99%			6,300	
Gymnasium	5,896 265	1	5,896 265	<i>937</i> 0	6,000 150	1 1	6,000	6000 SF Min. Size
Gym Storeroom  Health Instructor's Office w/ Shower & Toilet	92	1	92		150	1	150 150	
MEDIA CENTER			2,547	102%			2,488	
Media Center / Reading Room Media Work	2,072 205	1	2,072 205		2,488	1	2,488	
Library Office A/V	128 142	1 1	128 142					
DINING & FOOD SERVICE			8,088	129%			6,270	
Cafeteria / Dining Stage	2,410 1,045	1	2,410 1,045		3,030 1,000	1	3,030 1,000	2 seatings - 15SF per seat
Auditorium Chair / Table / Equipment Storage	2,346	1	2,346		335	1	335	
Kitchen Food Storage	1,035 144	1	1,035 144		1,704	1		1600 SF for first 300 + 1 SF/student Add'l
Cooler/Freezer Dishroom	148	1	148 140					
Kitchen Toilet	72	1	72		004			
Staff Lunch Room	748	1	748		201	1	201	20 SF/Occupant
MEDICAL  Medical Suite Toilet	48	1	<b>426</b> 48	84%	60	1	<b>510</b>	
Nurses' Office / Waiting Room Examination Room / Resting	78 300	1	78 300		250 100	1 2	250 200	
ADMINISTRATION & GUIDANCE			2,484	117%			2,119	
General Office / Waiting Room / Toilet Teachers' Mail and Time Room	170	1	170		352 100	1	352 100	
Duplicating Room Records Room					150 110	1 1	150 110	
Principal's Office w/ Conference Area Principal's Secretary / Waiting	200 727	1	200 727		375 125	1 1	375 125	
Assistant Principal's Office	121	'	121		120	0	-	
Supervisory / Spare Office Conference Room	277	1	277		120 250	1	120 250	
Guidance Office Office	622 115	1	622 115		150	1	150	
Psychologist Guidance Storeroom	373	1	373		35	1	35	
Teachers' Work Room					352	1	352	
CUSTODIAL & MAINTENANCE Custodian's Office			455	23%	150	1	<b>2,004</b> 150	
Custodian's Workshop Custodian's Storage	308	1	308		375 375	1 1	375 375	
Recycling Room / Trash Receiving and General Supply			555		400	1 1	400 235	
Storeroom	33 30	1	33		269	1	269	
Network / Telecom Room	20	1	20		200	1	200	
	64	1	64					
Other (specify)			0	#DIV/0!			0	
Total Building Net Floor Area (NFA)		-	46,706	105%			44,646	
Proposed Student Capacity / Enrollment		-					404	
Other Occupied Record (list apparets)			10,072	#DIV/0!				Non Drogramme 1
Other Occupied Rooms (list separately)								Non-Programmed space areas an required to be included in the
								following submittals: Schematic Design Submittal
Unoccupied MEP/FP Spaces Boiler Room	200.00	1	290					Design Development Submitta
Electrical	290.00 150.00	1	150					
Electrical Electrical	20.00 92.00	1	20 92					
Unoccupied Closets, Supply Rooms & Storage Ro	ooms							60% Construction Documents
	84.00 95.00	1	84 95					
	118.00 68.00	1	118 68					
	58.00	1	58					
Outdoor Storage	40.00 42.00	1	80 42					
Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	1,035.00 7,940.00	1	1,035 7,940					90% Construction Documents Final Construction Documents
Remaining <sup>3</sup>	5,089.00	1	7,940 5,089					i inai construction documents
Total Building Gross Floor Area (GFA) <sup>2</sup>			61,867	91%			67,818	
			1.32	87%			1.52	
Grossing factor (GFA/NFA)			1.34	0170			1.52	

Loring Flomentony	Evi	oting Cons	litions			Date:	Enter Date MSBA 0	Enter Submittal
Loring Elementary		sting Cond	ittons			to MSBA E	ducational Prog	ram & Space Standard Guidelines)
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments
CORE ACADEMIC SPACES		<u>25</u>	22,651	108%		21	20,950	
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet					1,200		-	1,100 SF min - 1,300 SF max
Kindergarten w/ toilet  General Classrooms - Grade 1-6	1,121 1,106	3	3,363 1,106		1,200	4	4,800	1,100 SF min - 1,300 SF max 900 SF min - 1,000 SF max
General Classicoms - Grade 1-6	850 840 864	2 2 6	1,700 1,680 5,184		950	17	16,150	900 SF min - 1,000 SF max
	846 820	3	2,538 820					
Openish Open Tailor	855 860	2	3,420 1,720					
Spanish 2 w/ Toilet  SPECIAL EDUCATION	1,120	1	1,120 <b>5,383</b>	97%			5,540	
(List rooms of different sizes separately) Self-Contained SPED	1,054	1	1,054	91 76	950	4	3,800	900-1,300 SF equal to surrounding classrooms
Self-Contained SPED - toilet  LLD	60	1	60		60	4	240	300-1,300 St. equal to surrounding classrooms
SPED 31 ELL 9	854 856	1	854 856					
Resource Room Literacy 11	840	1	840		500	2	1,000	1/2 size Genl. Clrm.
OT/PT Small Group Room / Reading Testing	140	1	140		500	1	500	1/2 size Genl. Clrm.
Team Chair Office	244	1	244					
ART & MUSIC Art Classroom - 25 seats	984	1	<b>2,348</b> 984	91%	1,000	1	<b>2,575</b> 1,000	assumed schedule 2 times / week / student
Art Workroom w/ Storage & kiln	64 50	1 1 1	50 1 130		1,200	1	1,200	and a hadde Adams (south (abother
Music Classroom / Large Group - 25-50 seats  Music Storage  Music Practice / Ensemble	1,130 120	1	1,130 120		75	3	225	assumed schedule 2 times / week / student
HEALTH & PHYSICAL EDUCATION			5,706	91%			6,300	
Gymnasium Gym Storeroom	5,462 244	1	5,462 244		6,000 150	1	6,000 150	6000 SF Min. Size
Health Instructor's Office w/ Shower & Toilet					150	1	150	
MEDIA CENTER  Media Center / Reading Room  Library Office	2,658 100	1	<b>4,144</b> 2,658 100	148%	2,808	1	<b>2,808</b> 2,808	
Book Room Computer Lab	142 1,244	1 1	142 1,244					
DINING & FOOD SERVICE	, '		7,249	105%			6,915	
Cafeteria / Dining Stage	4,010 915	1 1	4,010 915		3,563 1,000	1	3,563 1,000	2 seatings - 15SF per seat
Chair / Table / Equipment Storage Kitchen	1,182	1	1,182		358 1,775	1	358 1,775	1600 SF for first 300 + 1 SF/student Add'l
Dry Storage Cold Storage Toilet	214 210 54	1 1 1	214 210 54					
Office Staff Lunch Room	56 384	1	56 384		219	1	219	20 SF/Occupant
MEDICAL_			498	98%			510	
Medical Suite Toilet Nurses' Office / Waiting Room	86 230	1	86 230		60 250	1	60 250	
Examination Room / Resting	78 104	1	78 104		100	2	200	
ADMINISTRATION & GUIDANCE General Office / Waiting Room / Toilet	140	1	<b>2,435</b>	104%	388	1	<b>2,340</b> 388	
Teachers' Mail and Time Room  Duplicating Room	68 128	1	68 128		100 150	1	100 150	
Records Room Principal's Office w/ Conference Area	213	1	213		110 375	1	110 375	
Principal's Secretary / Waiting Assistant Principal's Office Supervisory / Spare Office	252	1	252		125 120 120	0	125 - 120	
Conference Room	155 274	1	155 274		250	1	250	
Guidance Office Psychologist	200 170	1	200 170		150	2	300	
Speech Guidance Storeroom Teachers' Work Room	400	1	400		35 388	1	35 388	
CUSTODIAL & MAINTENANCE	400		541	26%	500		2,075	
Custodian's Office Custodian's Workshop	210	1	210		150 375	1	150 375	
Custodian's Storage Recycling Room / Trash					375 400 258	1 1	375 400 258	
Receiving and General Supply Storeroom	23 20	1	23		258 317	1	258 317	
	35 22	1	35 22					
Manual (Tr)	22 23	1	22 23		0			
Network / Telecom Room	166 20	1	166 20		200	1	200	
OTHER Other (specify)			0	#DIV/0!			0	
Total Building Net Floor Area (NFA)		-	50,955	102%			50,012	
Proposed Student Capacity / Enrollment  NON-PROGRAMMED SPACES			10.7-	#Dr			475	
Other Occupied Rooms (list separately)	70.00		16,679	#DIV/0!				Non-Programmed space areas are
Water Service	73.00	1	73					required to be included in the following submittals:
Unoccupied MEP/FP Spaces	620.00	1	620					Schematic Design Submittal  Design Development Submittal
Electrical Sub Elevator Machine Electrical	22.00 84.00 210.00	1 1	22 84					
Electrical Sub	20.00	1 1	210 20 70					
Electrical Sub Unoccupied Closets, Supply Rooms & Storage Ro Supply Room	70.00 oms 180.00	1	180					60% Construction Documents
очры поон	44.00 25.00	1 1	180 44 25					
	25.00 115.00 143.00	1	25 115 143					
Toilet Rooms	86.00	1 1	86					90% Construction Documents
Toilet Rooms  Circulation (corridors, stairs, ramps & elevators)  Remaining <sup>3</sup>	2,068.00 12,919.00 15,987.00	1 1	2,068 12,919 15,987					Final Construction Documents  Final Construction Documents
Total Building Gross Floor Area (GFA) <sup>2</sup>	10,967.00			110%			75 000	
Total Building Gross Floor Area (GFA)  Grossing factor (GFA/NFA)			83,621 1.64	110%			75,802 1.52	
Section (Section 11)				. 5578			7.02	

Loring Elementary	Exi	sting Cond	litions		(refer			Enter Submittal  Guidelines ram & Space Standard Guidelines)
ROOM TYPE	ROOM NFA <sup>1</sup>	# OF RMS	area totals		ROOM NFA <sup>1</sup>	# OF RMS	area totals	Comments
CORE ACADEMIC SPACES		<u>25</u>	22,651	99%		23	22,850	
(List classrooms of different sizes separately)  Pre-Kindergarten w/ toilet  Kindergarten w/ toilet	1,121	3	3,363		1,200 1,200	4	4,800	1,100 SF min - 1,300 SF max 1,100 SF min - 1,300 SF max
General Classrooms - Grade 1-6	1,106 850	1 2	1,106 1,700		950	19		900 SF min - 1,000 SF max
	840 864	2	1,680 5,184					
	846 820	1	2,538 820					
Cassish 2 m/ Tailet	855 860	2	3,420 1,720			-		
Spanish 2 w/ Toilet  SPECIAL EDUCATION	1,120	1	1,120 <b>5,383</b>	89%			6,040	
(List rooms of different sizes separately) Self-Contained SPED	1,054	1	1,054	0976	950	4	3,800	000 4 000 05 a surley was a fine allowed
Self-Contained SPED - toilet  LLD	60 868	1	60 868		60	4	240	900-1,300 SF equal to surrounding classrooms
SPED 31 ELL 9	854 856	1	854 856					
Resource Room Literacy 11	840	1	840		500	3	1,500	1/2 size Genl. Clrm.
OT/PT Small Group Room / Reading	467	1	467		500	1	500	1/2 size Genl. Clrm.
Testing Team Chair Office	140 244	1	140 244					
ART & MUSIC  Art Classroom - 25 seats	984	1	<b>2,348</b> 984	62%	1,000	2	<b>3,800</b> 2,000	and a hadde O line of conduction of
Art Workroom w/ Storage & kiln	64 50	1 1	64 50		150	2	300	assumed schedule 2 times / week / student
Music Classroom / Large Group - 25-50 seats Music Storage	1,130 120	1	1,130 120		1,200	1	1,200	assumed schedule 2 times / week / student
Music Practice / Ensemble					75	4	300	
HEALTH & PHYSICAL EDUCATION  Gymnasium	5,462	1	<b>5,706</b> 5,462	91%	6,000	1	<b>6,300</b> 6,000	6000 SF Min. Size
Gym Storeroom Health Instructor's Office w/ Shower & Toilet	244	1	244		150 150	1	150 150	
MEDIA CENTER			4,144	135%			3,060	
Media Center / Reading Room  Library Office  Book Room	2,658 100 142	1 1 1	2,658 100 142		3,060	1	3,060	
Computer Lab	1,244	1	1,244					
DINING & FOOD SERVICE Cafeteria / Dining	4,010	1	<b>7,249</b> 4,010	98%	3,983	1	<b>7,423</b> 3,983	2 seatings - 15SF per seat
Stage Chair / Table / Equipment Storage	915 224	1	915 224		1,000 377	1 1	1,000 377	
Kitchen Dry Storage	1,182 214	1	1,182 214		1,831	1	1,831	1600 SF for first 300 + 1 SF/student Add'I
Cold Storage Toilet	210 54	1	210 54					
Office Staff Lunch Room	56 384	1	56 384		233	1	233	20 SF/Occupant
MEDICAL Medical Suite Toilet	86	1	<b>498</b> 86	82%	60	1	<b>610</b>	
Nurses' Office / Waiting Room Examination Room / Resting	230	1	230 78		250 100	1 3	250 300	
Examination Room, Results	104	1	104		100	J	300	
ADMINISTRATION & GUIDANCE General Office / Waiting Room / Toilet	140	1	<b>2,435</b> 140	102%	416	1	<b>2,396</b> 416	
Teachers' Mail and Time Room Duplicating Room	68 128	1 1	68 128		100 150	1	100 150	
Records Room Principal's Office w/ Conference Area	213	1	213		110 375	1	110 375	
Principal's Secretary / Waiting Assistant Principal's Office Supervisory / Spare Office	252	1	252		125 120 120	0 1	125 - 120	
Conference Room	155 274	1	155 274		250	1	250	
Guidance Office Psychologist	200 170	1	200 170		150	2	300	
Speech Guidance Storeroom	400	1	400		35	1	35	
Teachers' Work Room	435	1	435		416	1	416	
CUSTODIAL & MAINTENANCE  Custodian's Office  Custodian's Workshop	210	1	541	25%	150	1 1	<b>2,131</b> 150	
Custodian's Workshop Custodian's Storage Recycling Room / Trash	210	1	210		375 375 400	1 1 1	375 375 400	
Receiving and General Supply Storeroom	23	1	23		277 354	1 1	277 354	
	20 35	1	20 35					
	22 22	1	22 22					
Network / Telecom Room	23 166 20	1 1	23 166 20		200	1	200	
OTHER	20	-	0 0	#DIV/0!			0	
Other (specify)			U	!۷/۷ ات			U	
Total Building Net Floor Area (NFA)			50,955	93%			54,610	
Proposed Student Capacity / Enrollment			475				531	
NON-PROGRAMMED SPACES			16,679	#DIV/0!				
Other Occupied Rooms (list separately) Water Service	73.00	1	73					Non-Programmed space areas are required to be included in the
								following submittals: Schematic Design Submittal
Unoccupied MEP/FP Spaces Electrical Sub	620.00 22.00	1	620 22					Design Development Submittal
Elevator Machine  Electrical	84.00 210.00	1	84 210					
Electrical Sub  Electrical Sub	20.00	1	20 70					
Unoccupied Closets, Supply Rooms & Storage Roo Supply Room			180					60% Construction Documents
очрру коопт	44.00	1	44					
	25.00 115.00	1	25 115					
	143.00 86.00	1	143 86					
Toilet Rooms Circulation (corridors, stairs, ramps & elevators)	2,068.00 12,919.00	1	2,068 12,919					90% Construction Documents Final Construction Documents
Remaining <sup>3</sup>	15,987.00	1	15,987					
Total Building Gross Floor Area (GFA) <sup>2</sup>			83,621	103%			81,270	
Grossing factor (GFA/NFA)			1.64	110%		<u> </u>	1.49	

53 3 17.67 20. 27/26 30/30 27/26 67 67 67 67 67 67 67 67 67 67
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Curtis	Grade 6	Grade 7	Grade 8	Total Enrolled								
Students Enrolled	335	310	0 298	943								
Sections	14	18	8 18									
Class Size	23.93	17.22	16.56	19.24								
Net Change	0		0 0	0								
M/F	157/178	150/160	137/161	444/499								
Curtis Notes												
Total District Enrollment	2653											
Net Change	2											
	Full Day K	Grade 1	Grade 2	Grade 3	Grade 4	Grade 5	Grade 6		Grade 7	Grade 8		
Total	239	3 260	0 273	309		279	302	335		310	298	2605
# Sections	13	14	4 13	14		14	16					
Class size Average	18	19	21	22	20	19						

Total Number	lotal number of Staff in SPS Eleffiertally Schools
Haynes E.S.	82
Loring E.S.	71
Nixon E.S.	63
Noyes E.S.	94

## PETER NOYES SCHOOL 2018-2019 MASTER SCHEDULE

	Art	5B	4A	3D	ning	KB		2A	5
X	Gym		4D	3C	Lunch/Planning	KA	.1A		4
FRIDAY	Mus	5D	4B			KD	1C	2D	5
F	Span	5A	4C	3B	Lunch/Planning		1B	2B	5
	Lib	2C		3A	unch/P]	KC	1D	2C	5
	Art		4B	3B		KC	1A	2B	5
W	Gym	5A	4C	3A	Lunch/Planning	KB		2A	5
THURSDAY	Mus	5C		3D	unch/P	KA	1B	2C	5
THU	Span	5D	44	3C			Œ	2D	5
	Lib	5B	4D		Lunch/Planning	KD	1C		4
	Art	5A	4D	3A	Lunch	ξ	1D	2D	9
W	Gym	SD	4A	3B	gu	KC	1C	2C	9
TUESDAY	Mus	SB	4C	3C	unch/Planning	KB	1A	2B	9
TU	Span	SC.			Lunch				1
	Lib		4B	3D	gui	ΚΆ	1B	2A	5
	Art	5D		3C	Lunch/Planning	KA	1B		4
	Gym	5C	4B		Lunc	囚	1D	2B	5
AY	Mus		4A	3A	ing	KC		2A	4
MONDAY	Lib Span	5B	4D	3D	Lunch/Planning		1C	2C	5
$\mathbf{Z}$	Lib	5 5A	4C	3B	Lunc		1A	2D	9
		2	4	3		×	-	7	
		9:30-10:10	10:20-11:00	11:10-11:50	11:50-12:55	12:55-1:35	1:45-2:25	2:30-3:10	

## **WEDNESDAY**

1		Lib	Spanish	Mus	Gym	Art
	9:00-9:40		1A	1D	1B	1C
l	9:40-10:20	2B	2A		2D	2C
	10:20-11:00	3C	3A	3B	3D	
	11:05-11:45	4A	4B	4D		4C
	11:50-12:30	SD		<b>P</b>	5B	5C
l		4	4	7	4	4
l						

KA	Campbell	1A	Gordon	2A	Nawrocki	3A	Irving	4A	Beverly	5A	Lance
KB	La Marre	11B	Caires	2B	Murphy	3B	Hanks	4B	Iacobucci	5B	Cohen Mong.
KC	N. Iacobucci	1C	Loomes	2C	Carney	3C	Haher	4C	Valukis	5C	Bearfield
KD	Chen	1D	A. Donahue	2D	Allen	3D	Dube	4D	Bennett	5D	Huelin

					Hart, Smith, Eddy	Jones, Chandler
Arrival/ Morning Meeting 8:55-9:15	Arrival/ Morning Work 8:55-9:15	Arrival/Morning Work 8:55-9:15	Arrival/Morning Work 8:55-9:15	Arrival/Morning Work 8:55-9:15	Arrival/Morning Work 8:55-9:05	Arrival/Morning Work 8:55-9:05
	Meeting/ Number Corner 9:15-9:35	ELA 9:15-10:00	Number Corner 9:15-9:30	Specials 9:15 - 9:55	Science/Math/ Writing 9:	Science/Math 9:00-10:
ELA 9:15-10:15			Math 0:30-10:30		00-10:00	00
	ELA 9:35-10:30	Special 10:00 - 10:40	Open Circle/ 10:30-	Math 9:55-10:55	Literacy 10:00 -10:45	Literacy 10:00-10:45
Math 10:15-11:05	Brain Break 10:30-10: 40	Brain Break 10:40-10:50	Brain Break 10:50-11: 00	Open Circle/ 10:55-	Specials 10:45-11:25	Specials 10:45-11:25
	FI A 10:40-11:15	FLA 10:50-11:35	RTI 11:00-11:30	ELA 11:10-11:40		
Brain Break 11:05-11:15					Science/Math/ Writing	Science/Math/ Writing
Lunch 11:15 - 11:40	Recess 11:15 - 11:40			Recess 11:40 - 12:05	11:25-12:25	11:25-12:25
Math/Number Corner	Lunch 11:40 - 12:05	KII 11:35-12:05	Specials 11:30 - 12:10	Lunch 12:05 - 12:30	Recess 12:30 - 12: 55	Recess 12:30 - 12: 55
11:40-12:05		Recess 12:05 - 12:30		00.4 00.00	Lunch 12:55 - 1:20	Lunch 12:55 - 1:20
	2000	Lunch 12:30 - 12:55	- ELA 12:10-12:55	KII 12:30-1:00	Number Corner/Open Circle 1:20-1:40	Number Comer/Open Circle 1:20-1:40
ELA 12:05-12:35	Math 12:05-1:05 (60)	M244 13:55 1:55 (60)	Recess 12:55 - 1:20	Number Comer 1:00-1:20	Brain Break 1:40-1:50	Brain Break 1:40-1:50
		Maul 12:33-1:33 (90)	Lunch 1:20 - 1:45	Brain Break 1:20-1:30	Science/Math/ Writing 1:	
Specials 12:35 - 1:15	Open Circle/ 1:05-	Science/SC 1-55-2-45	El A 1.45-2.30 (45)		50-2:50	Literacy 1:50-2:50
		Science of Transfer	(21) 2007 (11)	ELA 1:30-2:30		RTI 2:50-3:20
RTI 1:15-12:45	Specials 1:20 - 2:00	Open Circle/ 2: 45-3:00	000000000000000000000000000000000000000		RTI 2:50-3:20	
Open Circle/ 1:45- 2:05	(00) 00.0 00.0 110	Number Comer 3:00-3:15	Science/55 2:30-3:20	00:5 05:C 33/000013	3:20 - 3:25 Dismissal	3:20 - 3:25 Dismissal
Recess 2:05 - 2:30	KII 2:00-2:30 (30)	3:20 - 3:25 Dismissal	3:20 - 3:25 Dismissal	Science/ 33 2.30-3.20		

	Gregg	Kenosian	Nash			
		MONDAY				
9:00-9:25		School Meeting				
9:25-9:55	Marine and	ELA				
9:55-10:25	(Readers' Work	shop & Vocabulary	or Word Study)			
10:25-10:40		Writer's Workshop				
10:40-11:20		Specials				
11:20-12:20	Science/Social Studies					
12:20-12:35	Number Corner					
12:35-1:25	Recess & Lunch					
1:25-1:55	RtI					
1:55-2:55	Math					
2:55-3:10		Open Circle				
3:15-3:25		Dismissal				

	Gregg	Kenosian	Nash						
		TUESDAY							
9:00-10:00		Math							
10:00-10:40		Writer's Workshop	)						
10:40-11:20		Specials							
11:20-11:50		ELA							
11:50-12:20	(Readers' Work	(Readers' Workshop & Vocabulary or Word Study)							
12:20-12:35		Number Corner							
12:35-1:25		Recess & Lunch							
1:25-1:55		RtI							
1:55-2:55	Science/Social Studies								
2:55-3:10	Open Circle								
3:15-3:25		Dismissal							

	Gregg	Kenosian	Nash						
		WEDNESDAY							
9:00-10:00		Math							
10:00-10:40		Writer's Workshop							
10:40-11:20		Specials							
11:20-11:50	No. of the last	ELA							
11:50-12:20	(Readers' Workshop & Vocabulary or Word Study								
12:20-12:35		Number Corner							
12:35-1:25		Recess & Lunch							
1:25-1:55		RtI							
1:55-2:55	Science/Social Studies								
2:55-3:10		Open Circle							
3:15-3:25		Dismissal							

	Gregg	Kenosian	Nash				
		WEDNESDAY ILAP					
9:00-9:30		Number Corner					
9:30-10:00		ELA					
10:00-10:30	(Readers' Workshop & Vocabulary or Word						
10:35-11:15		Specials					
11:20-12:20		Math					
12:20-12:35							
12:35-12:45		Dismissal					

	Gregg	Kenosian	Nash						
		THURSDAY							
9:00-10:00		Math							
10:00-10:40		Writer's Workshop							
10:40-11:20		Specials							
11:20-11:50		ELA							
11:50-12:20	(Readers' Work	(Readers' Workshop & Vocabulary or Word Study							
12:20-12:35		Number Corner							
12:35-1:25		Recess & Lunch							
1:25-1:55		RtI							
1:55-2:55	S	cience/Social Studi	es						
2:55-3:10		Open Circle							
3:15-3:25	Dismissal								

	Gregg	Kenosian	Nash						
		FRIDAY							
9:00-10:00	S	Science/Social Studies							
10:00-10:40		Writer's Workshop							
10:40-11:20		Specials							
11:20-11:50	A CALLED	ELA							
11:50-12:20	(Readers' Work	shop & Vocabulary	or Word Study)						
12:20-12:35		Number Corner							
12:35-1:25		Recess & Lunch							
1:25-2:25		Math							
2:25-2:45		Rtl							
2:45-3:15		School Meeting							
3:15-3:25		Dismissal							

10000		M	ond	lav Tuesday Wednesday Thursda					Tuesday			day		Friday												
	A	PE	М	L	s	A	PE	M	L	s	A	F	PE	M	L	S	A	PE	M	L	S	A	PE	M	L	S
9:05-9:45	7.07	OOLV	NEETI	NG / P	REP	4M	4L		4W	45	4	5 4	W	4M	4L			4M	4L	45	4W	4W	PREP	45		4L
9:55-10:35	4L	45	4W	4M				PRE					P	REP					PREF	)		25	2D	PRTRS		2M
10:40-11:20	3N		3G	зк		3G	зк			3N	3	( 3	3G		3N				3N	3G	ЗК	PREP	3N	ЗК		3G
11:25-12:05	55	APE	5C	5D		5D	5C			55			5D	55	5C				5D	55	5C	5C	55	PREP		5D
12:05-1:00	100	LUN	1000	1	_		LUN	CH/I	DUT	Y		LU	JNC	H/E	UTV	1		LUN	CH/I	DUT	γ		LUN	CH/E	UT	Y
1:00-1:40	1Bu		1H	1Br			1H		1Bu	1Br	18	3r		1Bu	1H			1Bu	1Br		1H	1H	1Br	KR		1Bu
1:45-2:25	KR	APE	KW	КВ		KW	КВ		KR		K	ВК	(W	KR				KR	КВ	KW	1	КВ	KW	Setup		4M
2:30-3:10	2D		2M	25		2M	25			2D		2	2M	25	2D				2D	2M	25	SCH	OOL	MEETII	NG/	PREP

	<b>ILAP</b> Wednesday										
	A	PE	M	L	S						
9:05-9:45	45	4W	4M	4L							
9:50-10:30	КВ	2M	25	2D							
10:35-11:15	зк	3G	KR	3N							
11:20-12:00	1Br	KW	1Bu	1H							
12:00-12:40		5D	55	5C							

KR (Kindergar Special Sched		Rota	ting						
Trimester: 1 2 3									
Burgess	PE	Art	Mus						
Raffaele	Art	Mus	PE						
Weart	Mus	PE	Art						

Tuesday	
BAND (Music	Room)
10:15-10:55	Clemons
1:00-1:40	Duckett
1:40-2:20	Sugermeyer

Thursday						
ORCHESTRA (Art Room)						
10:15-10:55	Lamoureaux					
10:55-11:35	Marshall					
12:30-1:10	Skahan/White					
1:15-1:55	Grade 5					

	KINDERGARTEN
8:55-9:45	Choice/Morning Meeting/Fundations
9:45-10:00	Reading Mini-Lesson
10:00-10:30	Reader's Workshop/Reading Intervention
10:30-10:55	Classroom Math Intervention/RTI Block
11:00-11:25	RECESS
11:25-11:50	LUNCH
11:50 - 12:30	Writing
12:30-12:45	Rest
12:45-1:25	SPECIAL
1:25-2:15	Math & Number Corner
2:15-2:45	Open Circle/Science/Social Studies
2:45-3:10	Snack/Recess

NIX	ON MASTER SCHEDULE 2018-2019				
GRADE 1					
8:55-9:30	Morning Meeting/Fundations				
9:30-10:10	Writer's Workshop (sped in for 30 min- new person, 9:40-10:10)				
10:10-10:30	Number Comer				
10:30 - 10:45	Recess				
10:45 - 11:00	Open Circle				
11:00 - 11:25	Reading Mini Lesson				
11:25-11:50	RECESS				
11:50-12:15	LUNCH				
12:15 - 12:45	DI/Reader's Workshop* (sped reading out 12: 15-12:45- new person)				
12:45- 1:15	Classroom Math Intervention/RTI Block				
1:15 - 1:45	Sci/SS				
1:45-2:25	SPECIAL				
2:25-3:15	Math (sped in- new person 2:45-3:15)				

	GRADE 2
8:55-9:45	Writing (sped in 9:15-9:45, Tattelman)
9:45-10:05	Fundations
10:05-11:00	Math (sped in 10:30-11, new person)
11:00-11:25	RECESS
11:25-11:50	LUNCH
11:50-12:35	Science/Social Studies
12:35-1:00	Number Comer
1:00 - 1:15	Reading mini lesson
1:15-1:45	DI/Reader's Workshop
1:45-2:15	Classroom Math Intervention/RTI Block (sped out 1:45-2:15, Tattelman)
2:15-2:30	Open Circle
2:30-3:10	SPECIAL

GRADE 3			
8:55-9:05	Morning work		
9:05-9:45	SPECIAL		
9:45-10:45	Math (sped in 9:45-10:15, sped out 10:15-10:45 Tattelman )		
10:45- 11:15	Reading Mini Lesson		
11:15 - 11:45	Reader's Workshop/Reading Intervention (spec reading out, Tattelman)		
11:45-12:15	Classroom Math Intervention/RTI Block (sped reading out, Tattelman)		
12:15-12:40	RECESS		
12:40-1:05	LUNCH		
1:05 - 1:50	Writing (in/out 1:15-1:45, Tattelman)		
1:50 - 2:10	Number Corner		
2:10 - 2:25	Open Circle		
2:25 - 3:15	Sci/SS		

	GRADE 4
8.55-9:25	D) Block (reading 4x out 9-9:30 new person; 2) reading & 2x math out 9-9:30 Chase)
9:25-9:55	Classroom Math Intervention/RTI Block
9:55-10:35	SPECIAL
10:35 - 11:50	Reading/ELA/Writing mini lesson and follow up work (writing support 11:00 - 11:30, Chase/Access)
11:50-12:15	RECESS
12:15-12:40	LUNCH
12:40 - 1:00	Open Circle
1:00 - 2:00	Math (sped in 1:30 - 2:00 new person)
2:00 - 2:45	Sci/SS
2:45 - 3:15	Number Comer

	GRADE 5
Smaldone 8:55-9:30	Number Comer
9:30-10:30	Math (Sped in 10-10:30, Chase)
10:30 - 10:45	Writing mini lesson
10:45-11:25	SPECIAL
11:30-12:00 12:00 - 12:40	Writing (Sped in 11:30-12, new person) Sci/SS
12:40-1:05	RECESS
1:05-1:30	LUNCH
1:30 - 1:45	Open Circle
1:45 - 2:15	Reading mini lesson
2:15-2:45	Reader's Workshop/Reading Intervention(2x30 Reading, Math out, Chase)
2:15-3:15	Classroom Math Intervention/RTI Block (2x30 Reading, Math out, Chase)
	GRADE 5
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8:55-10:00	Math (Sped in 9:30-10, Chase)
10:00-10:30	Snack/Read Aloud/Open Circle
10:30-10:45	Writing mini lesson
10:45-11:25	SPECIAL
11:30 - 12:00	Writing (sped in 11:30 - 12:00, Chase)
12:00-12:40	Sci/SS
12:40-1:05	RECESS
1:05-1:30	LUNCH
1:30 - 1:50	Number Corner
1:50 - 2:15	Reading mini lesson
2:15-2:45	Reader's Workshop/Reading Intervention(2x30 Reading, Math out, Chase, Reading 4x45 out Tattelman)
2:15-3:15	Classroom Math Intervention/RTI Block (2x30 Reading, Math out, Chase)
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KINDERGARTEN		
8:55-9:45	Choice/Morning Meeting/Fundations	
9:45-10:00	Reading Mini-Lesson	
10:00-10:30	Reader's Workshop/Reading Intervention	
10:30-10:55	Classroom Math Intervention/RTI Block	
11:00-11:25	RECESS	
11:25-11:50	LUNCH	
11:50 - 12:05	Rest time	
12:05-12:45	Writing	
12:45-1:25	SPECIAL	
1:25-2:15	Math & Number Corner	
2:15-2:45	Open Circle/Science/Social Studies	
2:45-3:10	Snack/Recess	

KINDERGARTEN		
3:55-9:45	Morning Meeting/Choice/Fundations	
9:45-10:00	Reading Mini-Lesson	
10:00-10:30	Reader's Workshop/Reading Intervention	
0:30-10:55	Classroom Math Intervention/RTI Block	
11:00-11:25	RECESS	
11:25-11:50	LUNCH	
11:50 - 12:05	Rest time	
12:05-12:45	Writing	
12:45-1:25	SPECIAL	
1:25-2:15	Math & Number Corner	
2:15-2:45	Open Circle/Science/Social Studies	
2:45-3:10	Snack/Recess	