# Facility Utilization and Capacity Study: 

Harvard Community Unit School District 50

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## EXECUTIVE SUMMARY

The purpose of the Facility Utilization and Capacity Study is to document the size, use, educational programming, and capacity of the existing facilities in Harvard Community Unit school District 50. The study enables an understanding of the correlation between programming and capacity at each school building in the context of the recently completed Demographic Trends and Enrollment Projects Report by Dr. John D. Kasarda. Primary comparisons are made to the mid-level Series B projections noted in the Kasarda report, which the District believes are the most likely and relevant. However, this report does note factors that could be affected should the forecast move towards the higher Series C projections.

In addition, the study aims to identify those conditions which may limit the way in which the school is used to accommodate student needs, both in the context of current programming and as may be impacted by forecasted growth. This information will contribute to a basis of information for future facility decisions. There are many factors which affect the capacity, and therefore the capacity versus future projections must be analyzed in a number of different ways in order to determine an appropriate future course of action regarding facilities.

Figure 1 below summarizes the 2018-2019 enrollment by facility with comparison to the calculated Instructional Capacities and the projected peak year enrollment for each building extracted from Kasarda Series B.

|  | GRADE LEVELS | 2018-2019 | INSTRUCTIONAL | FORECASTED PEAK | PEAK |
| :--- | :---: | :---: | ---: | ---: | ---: |
| BUILDING | HOUSED | ENROLLMENT | CAPACITY | ENROLLMENT | YEAR |
| Washington School | PK/ECE | 208 | 193 | 213 | $2026-27$ |
| Crosby Elementary School | K through 3 | 807 | 838 | 832 | $2021-22$ |
| Jefferson Elementary School | 4 through 5 | 411 | 473 | 428 | $2022-23$ |
| Harvard Junior High school | 6 through 8 | 596 | 746 | 645 | $2025-26$ |
| Harvard High School | 9 through 12 | 751 | 964 | $2028-29$ |  |
| DISTRICT |  | 2773 | 3214 | 2871 | $2028-29$ |

Figure 1 - Enrollment and Capacity Breakdown compared to Kasarda Series B Peak Enrollments

Based on the Series B projections, enrollment will remain below the Instructional Capacity for each building through the 2028-29 school years. Washington School enrollment currently exceeds the Instructional Capacity but enrollment can be limited by the District. The forecast enrollment for Crosby Elementary school is essentially to be at or near capacity into the foreseeable future. Please note that the current enrollment figures and the projected enrollments for the Washington School as stated in the Kasarda report do not match the actual existing data. Figures for the Washington School have been adjusted accordingly.

Figure 2 below summarizes the 2018-2019 enrollment by facility with comparison to the calculated Instructional Capacities and the projected peak year enrollment for each building extracted from Kasarda Series C, which represents the largest potential growth scenario.

|  | GRADE LEVELS | $2018-2019$ | INSTRUCTIONAL | FORECASTED PEAK | PEAK |
| :--- | :---: | :---: | ---: | ---: | ---: |
| BUILDING | HOUSED | ENROLLMENT | CAPACITY | ENROLLMENT | YEAR |
| Washington School | PK/ECE | 208 | 193 | 227 | $2028-29$ |
| Crosby Elementary School | K through 3 | 807 | 838 | 897 | $2028-29$ |
| Jefferson Elementary School | 4 through 5 | 411 | 473 | 769 | $2024-25$ |
| Harvard Junior High school | 6 through 8 | 596 | 746 | 733 | $2025-26$ |
| Harvard High School | 9 through 12 | 751 | 964 | $2028-29$ |  |
| DISTRICT |  | 2773 | 3214 | 295 | $2028-29$ |

Figure 2 - Enrollment and Capacity Breakdown compared to Kasarda Series C Peak Enrollments

Based on Series C projections, capacity will be somewhat stressed at Harvard High School. Crosby Elementary School will be at the Rated (Design) Capacity with class sizes between 24 and 25 .

For each building, this report includes a discussion of capacity, the factors which affect capacity, a discussion of class size and how it is affected by the numbers of sections in the context of enrollment projections, and a brief discussion of possible inadequacies observed at each building during the course of the study.

The Appendices to this report include detailed comparisons for the district and each building comparing Series A, B, and C projections to Instructional Capacity year by year. Additional information includes lists by building of room sizes and individual room capacities, building utilization diagrams, and a description of the basic educational underpinnings for the buildings.

## OVERVIEW

The most accurate and reliable determinant of student capacity is based upon the way in which an organization allocates use of space, and policies regarding class size that may be established. As space is allocated for resource rooms, special education, or other curriculum based functions, the number of spaces or teaching stations available may be reduced, thus reducing capacity. Such functions may not have been planned in the original building design, or as frequently occurs, needs change year to year. When these circumstances arise, regular education classrooms are reassigned to meet needs other than core classroom space.

School Districts typically reassign space in each building in preparation for each upcoming school year. For this reason, capacity is framed in a number of ways within this report, based on the available teaching stations that were available in each building for the 2018-2019 school year, as well as other methodologies that reflect variation in capacity based on shifts in programming.

Teaching stations are identified as spaces accommodating curriculum for general education students (core classrooms) throughout the school day. Spaces dedicated to the instruction and support of Special Needs Students, other than self-contained full day use, are not typically included as a teaching station in the count due to the unique role that these spaces serve.

The process to document and analyze how District 50 schools are currently utilized included verifications with building Principals at each school and a comprehensive review and documentation of room utilization and student/staff schedules.

For each building a discussion section includes a summary of capacity and enrollment, how it compares to various demographic projections (A, B, and C scenarios), commentary as to number of sections housed and how class size is affected by the number of sections, other factors which may affect capacity, and any programmatic inadequacies which were cursorily noted during the study.

## CAPACITY CALCULATION

## Instructional Capacity

As previously stated, capacity may be expressed in a number of ways. In order to reflect the $21^{\text {st }}$ Century Learning needs of Harvard Community Unit School District 50, Wold recommends using the Instructional Capacity method. Instructional Capacity (IC) is the most accurate indicator of the optimal number of students at which all of the programmatic functions and requirements can be met. For a typical elementary school, Instructional Capacity is based on the number of core classroom spaces (those teaching stations devoted exclusively to the delivery of the core curriculum) available and their size. The number of core classrooms available in each building is affected by the educational programming currently implemented. The capacity of each classroom is determined by dividing the net usable area of the room by an assignable square foot per student (ASF). The ASF used for each space is reflective of recognized planning standards that will support contemporary instruction and learning. The sum of the individual classroom capacities produces the IC.

For the Junior High and High School buildings, the IC calculation is also affected by the individual room utilization rates, that is, the number of periods that each space is used each day out of the total class periods available.

When the Instructional Capacity is exceeded, classes and course offerings may need to be eliminated or reduced to accommodate additional students. Exceeding the IC threshold negatively impacts the quality of education and instructional delivery options available. Current instructional methodologies depend on the net usable space within the classroom for student collaboration in multiple groupings, instructional technology, storage of resource materials, and active circulation within the room for maximum flexibility.

Compromises that result from exceeding the instructional capacity, whether by increased class sizes or loss of other programming, may create diminished performance and failure to meet community expectations.

## Rated Capacity

Rated Capacity ( RC ) is the capacity that is planned for when a building is designed, sometimes referred to as Design Capacity. When buildings are first planned, every classroom sized space is envisioned as being used for core delivery and regular education class sections. That number of planned classrooms is multiplied by a standard class size, typically 25 students, to arrive at the design capacity for the building. Over time, as functions not originally planned occupy those spaces, the number of available teaching stations is reduced. Rated Capacity assumes that all classroom sized spaces are utilized as core delivery teaching stations and other means are found to support the alternative programming which has not been counted in the Instructional Capacity calculation. It's inclusion in this study is for reference and to indicate how long a district may be able to wait should it become apparent that capacity increases will need to be planned.

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## Theoretical Capacity

The methodology for calculating a Theoretical Capacity mirrors Rated Capacity in that it assumes a standard number of students, generally a maximum of 30 students per section, and that all teaching stations are available. It also includes all other full sized classrooms such as art and music rooms, that could be reassigned to regular education should the District have to deal with unexpected rapid growth. In such an extreme scenario, the displaced programs are either suspended temporarily, or conducted in the regular education classroom.

## WASHINGTON SCHOOL

## Capacity

The Washington School houses programming for Pre-kindergarten/Early Childhood Education students, and related services. Evaluations and parent services begin from Birth to age Three. AM and PM classes are offered daily Monday through Friday for Three to Five year old students with both English and Dual language sections offered. The Instructional Capacity based on six classrooms available is 193 students. The 2018-19 enrollment is 208 students. Based on two daily sessions, with six classrooms, 11 classes of 20 students, and one SE class of 10 students, the Rated and Theoretical Capacities are 230 students

## Factors Affecting Capacity

The recommended classroom size for twenty students is 1000 square feet based on an assignable square footage (ASF) of $50 \mathrm{SF} /$ student. The average classroom size at Washington School is 813 square feet. The enrollment at Washington school is limited by the class size and number of rooms available. Therefore, the size of the program is limited only by the facility and the need within District 50 .

The enrollment and projections for the Washington School as stated in the Kasarda demographic report do not correlate to the facility capacity or enrollment for 2018 - 19 or moving forward. There is no direct correlation between the Kasarda figures and the predicted Kindergarten classes unless the Kasarda figure relates ONLY to the numbers of four to five year old students at Washington that will attend Crosby Elementary the following year.

## Class Size and Number of Sections

The typical maximum class size is twenty students, however, one session is currently serving special needs students and the class size is limited to ten students. There are a total of 12 class sections daily at two sessions per day. Each of the six full size classrooms is currently $100 \%$ utilized by the program.

## Inadequacies Noted

In addition to the Multi-purpose Room, there is a secondary Motor Area (Room 4B) which is very small and limiting. The small stage off of this space has been converted to office use for reading intervention staff. This area is not fully accessible and not used by students. Lastly, other staff is housed in inappropriate converted storage space. Several classrooms have been carved into smaller spaces in order to support program requirements.

## CROSBY ELEMENTARY SCHOOL

## Capacity

Crosby Elementary School includes students in grades Kindergarten through Grade Three.
Kindergarten classes are full day. The calculated Instructional Capacity based on programming at Crosby Elementary is 838 students. The 2018-19 enrollment is 807 students. On this basis Crosby Elementary is essentially operating near capacity, with room for modest growth as long as growth is evenly distributed by grade level. Based on an original design of ten kindergarten classrooms, and nine classrooms each for grades one through three, and a maximum class size of 25 , the planned design capacity was 225 per grade level for a total of 900 students. Currently one classroom has been created from the former Computer Lab adjacent to the Learning Center. Based on thirty-eight regular education full size classrooms and one full size special education classroom the Rated and Theoretical Capacities are 975 and 1170 students respectively. Current programming would be unsupportable at enrollments nearing these capacities.

## Factors Affecting Capacity

## Classrooms

Capacity at a school is potentially affected by not only the number of classrooms available for full day regular education, but also the individual capacities and availability of support spaces. The addition of the converted classroom increases the Instructional Capacity by 32 students.

## Cafeteria

Lunch is offered in four daily seatings, one per grade level. The capacity of the cafeteria is 256 students. The largest grade projected by the Kasarda Series B is forecast to be 227 students occurring in the 2020 21 school year. Under Series C the largest class size is forecast to be 236 students, so the cafeteria is expected to be adequate.

## Gymnasium

Based on current programming of once per week per class for sixty minutes, with up to two classes sharing the gymnasium simultaneously, the single gymnasium is expected to be adequate.

## Music

Based on current programming of once per week per class for sixty minutes, two music room are required. The two current rooms will meet the projected need.

At the point of the original design, the Art curriculum was expected to be supported by the four Discovery Centers, each of which serves nine to ten classrooms. Based on current programming of once per week per class for sixty minutes the Discovery Centers would be used two hours per day for Art. The Discovery Center was to be used as an extended learning "STEAM" space for the remainder of each day. However, special needs programming has grown such that Discovery Center space has been appropriated for interventions, thus limited their availability for the intended function, including Art. While this may be workable in the short term, it is not a good long term solution.

## Class Size and Number of Sections

Class sizes for the 2018-19 school year vary by grade level. The average class is just over 21 students per class. Figure 3 is a summary of the current number of sections and average class sizes by grade level.

|  |  | $2018-2019$ |  |
| :---: | ---: | :---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| $K$ | 194 | 10 | 19.4 |
| 1 | 222 | 10 | 22.2 |
| 2 | 197 | 9 | 21.9 |
| 3 | 194 | 9 | 21.6 |
|  | 807 | 38 | 21.2 |

Figure 3 - Current Enrollment

Under the Kasarda Series B Projections, the peak total enrollment at Crosby Elementary School will occur in the 2020-21 school year with a projected total enrollment of 832 students. The average class size based on maintaining the same number of sections would grow to 21.9 students. The largest single grade would occur in the same year, with a forecast of 227 third grade students. Class sizes in grades 1 and 2 would grow to an average of 22.9. Figure 4 below shows the impact on class sizes and number of sections for that year.

|  |  | $2020-2021$ |  |
| :---: | ---: | :---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| $K$ | 193 | 10 | 19.3 |
| 1 | 206 | 9 | 22.9 |
| 2 | 206 | 9 | 22.9 |
| 3 | 227 | 10 | 22.7 |
|  | 832 | 38 | 21.9 |

Figure 4 - Series B Projections Peak Year

Worst case growth in class sizes would occur under the Kasarda Series C projections in the 2023 - 24 school year with a total projected enrollment of 891 students. The largest classes are the second and third grades, each with a projected enrollment of 232 students. This class is as large as $236(2024-25)$ though the total enrollment is a bit smaller. The average class size grows to 23.4. By reducing the number of kindergarten sections to 9 and allowing the class size to grow to the average, the class size at grades 2 and 3 can be kept at a similar level. At 9 sections the average class in grade 2 or 3 would grow to 25.8 while at 10 sections the kindergarten class would be 20.9 . Figure 5 shows the impact on class sizes and number of sections for that year.

|  |  | 2023- 2024 |  |
| :---: | ---: | ---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| $K$ | 209 | 9 | 23.2 |
| 1 | 218 | 9 | 24.2 |
| 2 | 232 | 10 | 23.2 |
| 3 | 232 | 10 | 23.2 |
|  | 891 | 38 | 23.4 |

Figure 5 - Series C Projection Peak Year

Based on the projections, in order to maintain thirty-eight sections, the converted classroom will be required into the foreseeable future. An alternative scenario is to reduce the number of sections by one, allowing a small growth in class size. Figure 6 shows the effect on class size of reducing to 37 sections, freeing the extra classroom for other functions (such as intervention) under Kasarda Series B.

|  |  | 2020-2021 |  |
| :---: | ---: | ---: | ---: |
| GRADE | ENROLLMENT | \#SECTIONS | AVG. CLASS SIZE |
| $K$ | 193 | 9 | 21.4 |
| 1 | 206 | 9 | 22.9 |
| 2 | 206 | 9 | 22.9 |
| 3 | 227 | 10 | 22.7 |
|  | 832 | 37 | 22.5 |

Figure 6 - Series B Projection Peak Year with Reduced \# Sections

## Inadequacies Noted

The only significant inadequacy in the Crosby Elementary School is the lack of adequate space for interventions resulting in the compromised use of the Discovery Centers as noted above.

## JEFFERSON ELEMENTARY SCHOOL

## Capacity

Jefferson Elementary School houses students in grades Four and Five. The calculated Instructional Capacity based on programming at Jefferson Elementary is 473 students. The 2018-19 enrollment is 411 students. There are nineteen regular education full size classrooms and three full size rooms used for other purposes: Cross-categorical special education, Gifted/STEM, and Music. The calculated Rated and Theoretical Capacities are 550 and 660 students respectively. Current programming would be unsupportable with enrollments nearer to these higher capacity calculations. Three smaller size classrooms are used for Special Education: Life Skills, ED/BD, and Resource.

## Factors Affecting Capacity

## Classrooms

Capacity at Jefferson Elementary is also affected by the individual capacities and availability of support spaces.

## Cafeteria

Lunch is offered in two daily 40 minute periods, each with two 20 minute sessions per grade level. The capacity of the cafeteria is between 126 and 158 students based on an ASF range of 12 to $15 \mathrm{SF} /$ Student. The 2018-19 fifth grade class is 220 students, exceeding the capacity of the lunchroom by 62 students and making it impossible to seat a full grade at once. The largest grade projected by the Kasarda Series B is forecast to be 225 students occurring in the $2022-23$ school year, with a largest total enrollment of 428 in the same year. Therefore, the current model will need to be maintained into the foreseeable future.

## Gymnasium and Music

Physical Education and Music are offered twice per week for thirty minutes each session. Based on the current nineteen regular education sections, thirty-eight contact periods are required weekly, with a total of up to fifty 30 minute periods available, for a net utilization rate of $76 \%$. Therefore the single gymnasium/multi-purpose room and single music room are adequate to accommodate the programming at the current level for the forecasted enrollments. Specials are offered on four days of the week (A, B, C, and D rotations), so the actual room utilization rate on those days is $95 \%$ ( 38 out of a possible 40 periods).
There is no band room. Sectionals are held in a very small awkward space. Larger sectionals are conducted in the Music Room. Full band rehearsals are in the multi-purpose room.

Art

Art is offered once per week for 30 minutes. Based on current programming of once per week per class for thirty minutes, only 19 of the available 50 periods would be needed. However, the current Art space is undersized with a capacity of thirteen students. For this reason, classes are split into two thirty minute periods each so that the art room is actually utilized 38 out of the available 50 periods weekly. Utilization rates are similar to PE and Music.

## Class Size and Number of Sections

Class sizes for the 2018-19 school year vary by grade level. The average class is 21.6 students per class. Figure 7 is a summary of the current number of sections and average class sizes for each of the two grade levels.

|  |  | $2018-2019$ |  |
| :---: | ---: | :---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| 4 | 191 | 9 | 21.2 |
| 5 | 220 | 10 | 22.0 |
|  |  |  |  |
|  |  |  |  |
|  | 411 | 19 | 21.6 |

Figure 7 - Current Enrollment

Under the Kasarda Series B Projections, the peak total enrollment at Jefferson Elementary School will occur in the 2022-23 school year with a projected total enrollment of 428 students, within the Instructional Capacity. The average class size based on maintaining the same number of sections would grow to 22.5 students during the peak year. Figure 8 shows the impact on class sizes and number of sections for that 2022-23.

|  |  | 2022-2023 |  |
| :---: | ---: | ---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| 4 | 203 | 9 | 22.6 |
| 5 | 225 | 10 | 22.5 |
|  |  |  |  |
|  |  |  |  |
|  | 428 | 19 | 22.5 |

Figure 8 - Series B Projections Peak Year

Worst case growth in class sizes would occur under the Kasarda Series C projections for two years starting in the 2024-25 school year with a total projected enrollment of 469 students. This level would remain within the Instructional Capacity of 473. The largest class would occur in the fifth grade in 2024 25 at 239 students. When maintaining the current nineteen sections, the average class size grows to 24.7, with the fourth grade average class exceeding 25 at nine sections. Figure 9 shows the impact on class sizes and number of sections for that year.

|  |  | 2024-2025 |  |
| :---: | ---: | ---: | ---: |
| GRADE | ENROLLMENT | \# SECTIONS | AVG. CLASS SIZE |
| 4 | 230 | 9 | 25.6 |
| 5 | 239 | 10 | 23.9 |
|  |  |  |  |
|  |  |  |  |
|  | 469 | 19 | 24.7 |

Figure 9 - Series C Projection Peak Year

Increasing the number of sections in order to reduce class size is not a viable option without displacing other programming currently in place.

## Inadequacies Noted

There are a number of programmatic inadequacies noted during the course of the study.

1. As previously noted the art room is housed in space that was originally design as the original stage for the original gymnasium in 1953. Later this space was used as a Resource room. At 516 square feet, the room is too small to accommodate a full class for art. The room is not fully or appropriately equipped and has not storage or kiln room.
2. The building currently does not have a conference room.
3. There are currently seven (7) part time reading instructors who are inadequately housed.
4. It is desirable to have a sensory room, particularly in consideration of the ED/BD students housed in this building. Sensory rooms are becoming a more common need as special education students with disabilities in many categories, such as autism, are mainstreamed into the schools.

## HARVARD JUNIOR HIGH SCHOOL

## Capacity

For Junior High/Middle Schools and High Schools, where students change classes throughout the day, the calculation of capacity is somewhat more complex. Firstly, all teaching stations need to be included in the calculation as all rooms may be simultaneously occupied at periods throughout the d typical day, limited only by scheduling constraints. Secondly, each teaching station may be utilized for a different number of available periods throughout the day. It is typically not possible to achieve $100 \%$ utilization of every teaching station due to scheduling constraints. The calculation includes a base number of students for each teaching station produced by dividing the net square footage of the room by the Assignable Square Foot/student. This figure is then multiplied by the utilization for the room (\#periods scheduled divided by the number of available periods). Then the total for each teaching station is added to produce the Instructional Capacity.

Harvard Junior High School houses students in grades Six through Eight. The calculated Instructional Capacity is 746 students based on an average utilization rate of $76.4 \%$, or approximately 7 out of the available 9 periods. Utilization rates of $75 \%$ to $80 \%$ are typical for a junior high school setting. The 2018 - 19 enrollment is 596 students. Twenty-four full size classrooms dedicated to core subject curriculum delivery, seven teaching stations devoted to exploratory subjects, two special education teaching stations, and two physical education teaching stations are included in the calculation. The calculated Rated and Theoretical Capacities are 750 and 990 students respectively.

## Factors Affecting Capacity

## Classrooms

Typical classroom sizes at Harvard Junior High school range from 866 to 890 square feet, close to the recommended size to support $21^{\text {st }}$ century learning of 900 square feet. Due to the consistency and larger size of the typical classroom, and a higher utilization rate (approximately 7 out of 9 available periods) HJHS has an Instructional Capacity comparable to the Rated Capacity. With an average class size of 22.3, in general, there is room for enrollment growth. On the other side of the equation, based on operating at this high utilization rate, there is not space available to expand programming into additional core or exploratory curricula. There are no underutilized spaces available to be re-purposed for supporting spaces such as STEM labs or Maker Spaces, for example.

## Cafeteria

Lunch is offered in three daily 42 minute periods, one per grade level. The comfortable capacity of the cafeteria is 207 students based on an ASF of $15 \mathrm{SF} /$ Student. The largest 2018-19 grade is in sixth grade at 202 students, essentially at lunchroom capacity. During peak years under Kasarda Series B projections class sizes may be as large as 227 students. Alternative table styles or table arrangements may be required in order to accommodate the larger numbers. Should growth accelerate toward the Series C projections, grade sizes may exceed 250 students, at the absolute limit students that can likely be seated at a time.

## Gymnasium and Athletics

Physical Education, which include Health curriculum, is part of every student's day Monday through Friday. For the 2018 - 19 school year, this represents 20 periods of physical education and 3 periods of health per day. With two gymnasiums, a fitness room, and a health classroom available, overall utilization is at $23 / 36$ ( $63.8 \%$ ) based on four teaching stations. The gym and fitness utilization rate is $74 \%$.

The forecasted growth should not be an issue for the physical education core.

The gymnasium spaces are taxed the most during the Winter athletic season when used for Boys and Girls basketball, and wrestling. Changes in enrollment do not affect the athletic calendar.

## Instrumental $\mathcal{E}$ Choral Music

The Band Room has an ensemble capacity of 74 students.

## Class Sizes and Number of Sections

As in any junior high, middle, or high school setting, class sizes will vary by subject and fluctuate due to scheduling constraints. Smaller class sizes typically occur in language arts where there are more sections offered, and more typical class sizes occur in mathematics, science, and social studies. For the 2018-19 school year, the Harvard Junior High curriculum includes four core subjects at each grade level: Math, Science, Social Studies, and Language Arts. In Language Arts, where classes are offered in English, Spanish, and Dual-Language, class size may be as small as 12 students, based on the number of sections offered. For Math, Science and Social Studies, typical class sizes may range from 20 to 24 students.

The Kasarda Series B projections forecast an overall 8\% growth over 2018-19 at peak. This should increase typical core subject class sizes by approximately 1 to 2 students per class section at enrollment peak. Should growth trend more toward the Kasarda Series C projections ( $22 \%$ growth over 2018 - 19 at peak), the accompanying core subject class size may see growth of 4 to 5 students at the enrollment peak. Adding sections without adding classrooms as a strategy to reduce class size may be difficult due to the scheduling issues that accompany utilization rates beyond 7 out of 9 periods per day. While alternatively, decreasing the number of Language Arts sections and increasing class sizes in that subject area may be an option to open up classroom space, student achievement in that subject area might see accompanying decreases.

## Inadequacies Noted

The primary inadequacy noted at Harvard Junior High School is the lack of more up to date space to support $21^{\text {st }}$ Century learning in the areas of STEM (such as the Robotics exploratory), small group/ large group collaboration, and the lack of available extended learning space.

## HARVARD HIGH SCHOOL

## Capacity

For Harvard High School, the capacity calculation methodology is identical to the Harvard Junior High School. In the high school setting it remains difficult to near a $100 \%$ utilization rate.

Harvard High School houses students in grades Nine through Twelve. The calculated Instructional Capacity is 964 students based on an average utilization rate of $82.3 \%$, or slightly over 7 out of the available 9 periods. Utilization rates of $75 \%$ to $80 \%$ are typical for a high school setting. The 2018-19 enrollment is 751 students. Twenty-six classrooms are dedicated to core subject area curriculum delivery, and seventeen teaching stations are devoted to elective subject areas. Four special education classroom settings and four physical education teaching stations complete the teaching stations included in the calculation. The calculated Rated and Theoretical Capacities are 972 and 1149 students respectively.

For the 2018-19 school year, Harvard High School operates on an alternating 'A' and 'B' daily schedule. Each day features three 82 minute blocks and one 117 minute block during which lunch periods take place. The 82 minute blocks are divided into two 41 minute blocks for some subject areas.

## Factors Affecting Capacity

## Classrooms

Typical classroom sizes at Harvard High school range from 621 to 985 square feet, with an overall average for core subject classrooms of 800 square feet. Due to the higher utilization rate (approximately 7 out of 9 available periods) HHS has an Instructional Capacity comparable to the Rated Capacity. Typical class sizes vary widely by subject, but in general, there is room for enrollment growth. On the other side of the equation, as at the Junior High School, based on operating at this high utilization rate, there is not space available to expand programming into additional core or exploratory curricula. Also like the Junior High, there are no underutilized spaces available to be re-purposed for supporting spaces such as STEM labs or Maker Spaces, extended learning spaces, or collaboration areas.

## Cafeteria

Lunch is offered in three daily 39 minute periods. The combined capacity range for the Senior Café and Cafeteria/Commons is 250 to 325 per seating with a capacity total of 750 to 975 based on an ASF range of 15 to 20 SF/Student. The lunchroom capacity matches the Instructional Capacity of 964 students.

## Gymnasium and Athletics

Physical Education, which includes Health is part of every student's day Monday through Friday. For the 2018 - 19 school year, this represents an average of 21.5 periods of physical education and 4.5 periods of health per day. Two gymnasiums, a fitness room, and a weight room are available for PE use. The utilization rate for physical education is approximately $67 \%$. Four classrooms are used for the health classroom curriculum during periods when they are not used for core subject curriculum. Because the forecasted growth is not expected to exceed the Instructional Capacity except for two peak years in Series C, the available physical education teaching stations should continue to meet the school's needs. However, locker room space is already at a premium for the current enrollment and athletic programs. This issue will be exacerbated by growth.

From an athletic standpoint, the gymnasium spaces are impacted differently each season. During the fall sports season, gymnasium use is primarily impacted by Girls Volleyball games and practices, and Cheerleading practices. The north gym is typically used for freshman games. The north gym has limited court space for team and spectator seating.

Winter sports include Boys and Girls Basketball and Wrestling. Practices, games, and meets have the highest impact on athletic use of the gym spaces during this period. Indoor baseball and softball practices. Changes in enrollment do not affect the athletic calendar.

## Instrumental E Choral Music

The Band Room has an ensemble capacity of 72 students. The Choral Room has an ensemble capacity of 65. At current and forecasted enrollments, these spaces should meet programmatic needs, dependent on the number of ensembles offered. Many programs will subdivide instrumental music into Concert Band and Woodwind ensembles if the number of participants grows to exceed the room capacity.

## Class Sizes and Number of Sections

As in any high school setting, class sizes will vary by subject and fluctuate due to scheduling constraints. Smaller class sizes typically occur in elective and AP or Honors sections.

The Kasarda Series B projections forecast an overall 14\% growth over 2018-19 at peak, which is forecasted to occur in 2028-29. The growth in the largest grade level at peak over the current largest grade is $11 \%$. The forecast likely will result in an increase in class size of 2 to 3 students in a typical core subject class. The important factor to recognize is that based on the currently high level of classroom utilization, which is driven by the scheduling and number of course sections offered, the primary tool available to accommodate growth will be increased class size, with very limited ability to add additional class sections.

## Inadequacies Noted

The primary inadequacy noted at Harvard High School is the lack of more up to date space to support $21^{\text {st }}$ Century learning in the areas of STEM, small group/ large group collaboration, and the lack of available extended learning space.

Also of note is the arrangement and adequacy of spaces that support the physical education core. The percentage of locker room space to physical education teaching stations is low.

Harvard Community Unit School District 50

Facility Utilization and Capacity Study
Draft: March 6, 2019

## APPENDIX A




A1.3
DISTRICT WIDE CAPACITY
Pre-K Projections adjusted for Actual 2018-2019 Enrollment




Facility Utilization and Capacity Study



Facility Utilization and Capacity Study



Facility Utilization and Capacity Study Draft: March 6, 2019


Facility Utilization and Capacity Study Draft: March 6, 2019

|  | 2018. | PROJECTED |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2019 | 2019-2020 |  | 2020-2021 |  | 2021-2022 |  | 2022-2023 |  | 2023-2024 |  | 2024-2025 |  | 2025-2026 |  | 2026-2027 |  | 2027-2028 |  | 2028-2029 |  |
| GRADE | ACTUAL | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW | PROJ | NEW |
| Pre-K |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| K |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | 191 | 193 | 2 | 203 | 10 | 234 | 31 | 221 | -13 | 234 | 13 | 230 | -4 | 234 | 4 | 224 | -10 | 225 | 1 | 222 | -3 |
| 5 | 220 | 200 | -20 | 202 | 2 | 212 | 10 | 243 | 31 | 230 | -13 | 239 | 9 | 235 | -4 | 239 | 4 | 229 | -10 | 230 | 1 |
| 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTALS | 411 | 393 | -18 | 405 | 12 | 446 | 41 | 464 | 18 | 464 | 0 | 469 | 0 | 469 | 0 | 463 | 0 | 454 | 0 | 452 | 0 |
| INSTRUCTIONAL CAPACTY | 473 | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  | 473 |  |
| Surplus/Shortage | 62 | 80 |  | 68 |  | 27 |  | 9 |  | 9 |  | 4 |  | 4 |  | 10 |  | 19 |  | 21 |  |
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Facility Utilization and Capacity Study



## APPENDIX B

Facility Utilization and Capacity Study
Draft: March 6, 2019

## Washington School

Room List

| Room Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current <br> Occupancy | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IA (115A) | CONFERENCE | 305 | 20 | 15 |  |  |  | AS |
| IB (115) | CLASSROOM - BIRTH to AGE 3 | 490 | 60 | 8 |  |  |  | AS |
| 2 (114) | CLASSROOM - DUAL LANGUAGE PRESCHOOL | 898 | 50 | 18 | 20 | 20 | 20/20 | CLS |
| 3 (113) | CLASSROOM - ENGLISH PRESCHOOL (AM \& PM) | 900 | 50 | 18 | 20 | 20 | 20/20 | CLS |
| 4 (112) | S.E. CLASSROOM - SELF-CONTAINED (AM); PRESCHOOL (PM) | 726 | 50 | 15 | 10/20 | 10/20 | 10/20 | CLS |
| 4A | CORRIDOR | 173 |  |  |  |  |  | SS |
| 4B (III) | MOTOR ROOM | 242 | 50 | 5 |  |  | 8 -10 | RLS |
| 5 (110) | CLASSROOM - ENGLISH PRESCHOOL (AM \& PM) | 785 | 50 | 16 | 20 | 20 | 20/20 | CLS |
| 6(109) | CLASSROOM - DUAL LANGUAGE PRESCHOOL (AM \& PM) | 786 | 50 | 16 | 20 | 20 | 20/20 | CLS |
| 7 (108) | CLASSROOM - DUAL LANGUAGE PRESCHOOL (AM \& PM) | 784 | 50 | 16 | 20 | 20 | 20/20 | CLS |
| 101 | MAIN OFFICE | 248 |  |  |  |  |  | AS |
| 102 | PRINCIPAL OFFICE | 128 |  |  |  |  |  | AS |
| 103 | SPEECH OFFICE | 161 |  |  |  |  |  | AS |
| 104 | FACULTY LUNCHROOM | 246 |  |  |  |  |  | AS |
|  | TOILET |  |  |  |  |  |  | SS |
| 105 | NURSE | 175 |  |  |  |  |  | SS |
|  | TOILET |  |  |  |  |  |  | SS |
|  | STORAGE |  |  |  |  |  |  | SS |
| 106 | JANITOR |  |  |  |  |  |  | SS |
| 107 | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 108 | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 109 | WORK ROOM | 260 |  |  |  |  |  | SS |
| 110 | KITCHEN | 277 |  |  |  |  |  | SS |
|  | STORAGE | 27 |  |  |  |  |  | SS |
| 111 | MULTI-PURPOSE | 2412 | 75 | 32 |  |  |  | ELS |
| 112 | SOCIAL WORKER OFFICE | 86 |  |  |  |  |  | AS |
| 113 | READING INTERVENTION (STAGE) | 478 |  |  |  |  |  | AS |
| 114 | OfFICE | 196 |  |  |  |  |  | AS |
| 115 | STORAGE (BASEMENT) | 184 |  |  |  |  |  | SS |
| 116 | BOILER (BASEMENT) | 485 |  |  |  |  |  | SS |
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|  |  |  |  |  |  |  |  |  |
|  | Total Classroom Capacity |  |  | 193 | 230 | 230 | 208 |  |

## Crosby Elementary School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current <br> Occupancy | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 101 | CLASSROOM - FIRST GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 102 | CLASSROOM - FIRST GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 103 | CLASSROOM - FIRST GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 104 | CLASSROOM - FIRST GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 105 | CLASSROOM - FIRST GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 106 | CLASSROOM - FIRST GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 107 | CLASSROOM - FIRST GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 108 | CLASSROOM - FIRST GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 109 | CLASSROOM - FIRST GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 110 | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 111 | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 112 | DISCOVERY CENTER - IST GRADE | 1200 |  |  |  |  |  | RLS |
| 113 | INTERVENTION | 204 |  |  |  |  |  | AS |
|  | ELECTRICAL | 61 |  |  |  |  |  | SS |
|  | STAFF RESTROOM |  |  |  |  |  |  | SS |
| 200 | GYMNASIUM | 8661 | 75 | 115 |  |  |  | ELS |
| 200A | P.E. OFFICE | 100 |  |  |  |  |  | AS |
| 200B | P.E. STORAGE | 287 |  |  |  |  |  | SS |
| 201 | MUSIC ROOM | 1388 | 20 | 69 |  |  |  | ELS |
| 201A | MUSIC STORAGE | 359 |  |  |  |  |  | SS |
| 202 | MUSIC ROOM | 1388 | 20 | 69 |  |  |  | ELS |
| 203 | CLASSROOM - FIRST GRADE | 1125 | 35 | 32 | 25 | 30 |  | CLS |
| 204 | INTERVENTION | 272 |  |  |  |  |  | AS |
| 205 | LEARNING CENTER | 1308 |  |  |  |  |  | ELS |
| 205A | STORY ROOM | 342 |  |  |  |  |  | ELS |
| 205B | OFFICE/WORKROOM | 189 |  |  |  |  |  | AS |
| 206A | JANITOR | 62 |  |  |  |  |  | SS |
| 206B | ELEVATOR EQUIPMENT | 64 |  |  |  |  |  | SS |
| 207 | TECHNOLOGY | 247 |  |  |  |  |  | SS |
| 208 | SPECIAL EDUCATION RESOURCE CLASSROOM | 491 | 65 | 8 |  |  |  | RLS |
| 209 | STAFF LOUNGE | 689 |  |  |  |  |  | AS |
| 210 | CLASSROOM - SPECIAL EDUCATION | 958 | 65 | 15 | 25 | 30 |  | CLS |
| 210A | STORAGE |  |  |  |  |  |  | SS |
| 210B | TOILET |  |  |  |  |  |  | SS |
| 212A | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 212B | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 212C | JANITOR |  |  |  |  |  |  | SS |
| 213 | CAFETERIA | 3077 | 12 | 256 |  |  |  | AS |
| 213A | STORAGE | 142 |  |  |  |  |  | SS |
| 214 | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 216 | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 301 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 301 A | TOILET |  |  |  |  |  |  | SS |
| 302 | CLASSROOM - KINDERGARTEN | 979 | 50 | 20 | 25 |  |  | CLS |
| 302A | TOILET |  |  |  |  |  |  | SS |
| 303 | CLASSROOM - KINDERGARTEN | 979 | 50 | 20 | 25 |  |  | CLS |
| 303A | TOILET |  |  |  |  |  |  | SS |
| 304 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 304A | TOILET |  |  |  |  |  |  | SS |
| 305 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 305A | TOILET |  |  |  |  |  |  | SS |
| 306 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |

Facility Utilization and Capacity Study
Draft: March 6, 2019

## Crosby Elementary School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current Occupancy | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 306A | TOILET |  |  |  |  |  |  | SS |
| 307 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 307A | TOILET |  |  |  |  |  |  | SS |
| 308 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 308A | TOILET |  |  |  |  |  |  | SS |
| 309 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 309A | TOILET |  |  |  |  |  |  | SS |
| 310 | CLASSROOM - KINDERGARTEN | 977 | 50 | 20 | 25 |  |  | CLS |
| 310A | TOILET |  |  |  |  |  |  | SS |
| 311 | DISCOVERY CENTER - KINDERGARTEN | 900 |  |  |  |  |  | RLS |
| 312 | SOCIAL WORKER | 134 |  |  |  |  |  | AS |
| 313 | PSYCHOLOGIST | 170 |  |  |  |  |  | AS |
| 316 | IDF ROOM |  |  |  |  |  |  | SS |
| 317 | STAFF RESTROOM |  |  |  |  |  |  | SS |
| 400 | MAIN OFFICE | 567 |  |  |  |  |  | AS |
| 401 | NURSE | 316 |  |  |  |  |  | AS |
| 402 | PRINCIPAL OFFICE | 209 |  |  |  |  |  | AS |
| 403 | FILES | 88 |  |  |  |  |  | AS |
| 404 | CONFERENCE ROOM | 210 | 20 | 11 |  |  |  | AS |
| 405 | WOMENS RESTROOM |  |  |  |  |  |  | SS |
| 406 | ASSISTANT PRINCIPAL | 141 |  |  |  |  |  | AS |
| 407 | MENS RESTROOM |  |  |  |  |  |  | SS |
| 408 | OT/PT | 351 |  |  |  |  |  | ELS |
| 409 | MAIL | 179 |  |  |  |  |  | SS |
| 410 | STORAGE | 558 |  |  |  |  |  | SS |
| 411 | KITCHEN | 665 |  |  |  |  |  | AS |
| 41/A | SCULLERY | 72 |  |  |  |  |  | SS |
| 4IIB | SERVERY | 192 |  |  |  |  |  | SS |
| 4IIC | KITCHEN OFFICE | 86 |  |  |  |  |  | SS |
| 41ID | DRY STORAGE | 118 |  |  |  |  |  | SS |
| 412 | ELECTRICAL | 183 |  |  |  |  |  | SS |
| 413 | FIRE SUPPRESSION | 146 |  |  |  |  |  | SS |
| 414 | BOILER ROOM | 678 |  |  |  |  |  | SS |
| 415 | RECEIVING | 717 |  |  |  |  |  | SS |
| 415A | STORAGE | 86 |  |  |  |  |  | SS |
| 415B | JANITOR | 49 |  |  |  |  |  | SS |
| 501 | CLASSROOM - SECOND GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 502 | CLASSROOM - SECOND GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 503 | CLASSROOM - SECOND GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 504 | CLASSROOM - SECOND GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 505 | CLASSROOM - SECOND GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 506 | CLASSROOM - SECOND GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 507 | CLASSROOM - SECOND GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 508 | CLASSROOM - SECOND GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 509 | CLASSROOM - SECOND GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 510 | DISCOVERY CENTER - 2ND GRADE | 1200 |  |  |  |  |  | RLS |
| 511 | INTERVENTION | 204 |  |  |  |  |  | AS |
| 512 | ELECTRICAL | 51 |  |  |  |  |  | SS |
| 513 | STAFF RESTROOM |  |  |  |  |  |  | SS |
| 514 | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 515 | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 600 | COUNSELOR | 214 |  |  |  |  |  | AS |

## Crosby Elementary School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current <br> Occupancy | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 602 | JANITOR | 53 |  |  |  |  |  | SS |
| 603 | MECHANICAL | 1258 |  |  |  |  |  | SS |
| 604 | IDF ROOM | 131 |  |  |  |  |  | SS |
| 606 | CLASSROOM - SPECIAL EDUCATION | 648 | 65 | 10 |  |  |  | RLS |
| 606A | OBSERVATION | 246 |  |  |  |  |  | AS |
| 608 | CLASSROOM - SPECIAL EDUCATION | 648 | 65 | 10 |  |  |  | RLS |
| 610 | WORKROOM | 351 |  |  |  |  |  | AS |
| 611 | MECHANICAL | 1284 |  |  |  |  |  | SS |
| 612 | JANITOR | 53 |  |  |  |  |  | SS |
| 614 | SPEECH \& LANGUAGE | 219 |  |  |  |  |  | AS |
| 701 | CLASSROOM - THIRD GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 702 | CLASSROOM - THIRD GRADE | 797 | 35 | 23 | 25 | 30 |  | CLS |
| 703 | CLASSROOM - THIRD GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 704 | CLASSROOM - THIRD GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 705 | CLASSROOM - THIRD GRADE | 786 | 35 | 22 | 25 | 30 |  | CLS |
| 706 | CLASSROOM - THIRD GRADE | 788 | 35 | 23 | 25 | 30 |  | CLS |
| 707 | CLASSROOM - THIRD GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 708 | CLASSROOM - THIRD GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 709 | CLASSROOM - THIRD GRADE | 780 | 35 | 22 | 25 | 30 |  | CLS |
| 710 | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 711 | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 712 | DISCOVERY CENTER - 3RD GRADE | 1200 |  |  |  |  |  | RLS |
| 713 | INTERVENTION | 204 |  |  |  |  |  | AS |
| 714 | ELECTRICAL | 51 |  |  |  |  |  | SS |
| 715 | STAFF RESTROOM |  |  |  |  |  |  | SS |
|  | Total Classroom Capacity |  |  | 838 | 975 | 1170 | 807 |  |

## Jefferson Elementary School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current Occupancy | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | CLASSROOM - FIFTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 2 | CLASSROOM - FIFTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 3 | CLASSROOM - FIFTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 4 | CLASSROOM - FOURTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 5 | CLASSROOM - FOURTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 6 | CLASSROOM - FOURTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 7 | CLASSROOM - FOURTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 8 | CLASSROOM - FOURTH GRADE | 766 | 35 | 22 | 25 | 30 |  | CLS |
| 9 | CLASSROOM - FOURTH GRADE | 795 | 35 | 23 | 25 | 30 |  | CLS |
| 10 | CLASSROOM - FOURTH GRADE | 795 | 35 | 23 | 25 | 30 |  | CLS |
| 11 | CLASSROOM - FOURTH GRADE | 795 | 35 | 23 | 25 | 30 |  | CLS |
| 12 | CLASSROOM - FOURTH GRADE | 795 | 35 | 23 | 25 | 30 |  | CLS |
| 13 | CLASSROOM - FIFTH GRADE | 795 | 35 | 23 | 25 | 30 |  | CLS |
| 13A | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 13B | CUSTODIAL CLOSET | 97 |  |  |  |  |  | SS |
| 13C | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 14 | CLASSROOM - FIFTH GRADE | 1072 | 35 | 31 | 25 | 30 |  | CLS |
| 15 | CLASSROOM - FIFTH GRADE | 1072 | 35 | 31 | 25 | 30 |  | CLS |
| 16 | CLASSROOM - FIFTH GRADE | 1072 | 35 | 31 | 25 | 30 |  | CLS |
| 17 | CLASSROOM - GIFTED \& STEM | 1012 | 50 | 20 | 25 | 30 |  | CLS |
| 17A | MECHANICAL | 210 |  |  |  |  |  | SS |
| 17B | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
| 17C | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 18 | CLASSROOM - FIFTH GRADE | 1012 | 35 | 29 | 25 | 30 |  | CLS |
| 19 | CLASSROOM - FIFTH GRADE | 1067 | 35 | 30 | 25 | 30 |  | CLS |
| 20 | SPECIAL ED - CROSS CATEGORICAL | 1067 | 65 | 16 | 25 | 30 |  | RLS |
| 21 | CLASSROOM - FIFTH GRADE | 1067 | 35 | 30 | 25 | 30 |  | CLS |
| 22 | SPECIAL ED - LIFE SKILLS | 544 | 100 | 5 |  |  |  | RLS |
| 23 | SPECIAL ED - ED/BD | 544 | 100 | 5 |  |  |  | RLS |
| 24 | SPECIAL ED - RESOURCE | 586 | 65 | 9 |  |  |  | RLS |
| 25 | STORAGE | 390 |  |  |  |  |  | SS |
| 25A | STAGE | 755 |  |  |  |  |  | ELS |
| 25B | STORAGE | 296 |  |  |  |  |  | SS |
| 26 | GYMNASIUM/MULTI-PURPOSE ROOM | 5880 | 75 |  |  |  |  | ELS |
|  | TOILET ROOM - BOYS |  |  |  |  |  |  | SS |
|  | TOILET ROOM - GIRLS |  |  |  |  |  |  | SS |
| 27 | MUSIC ROOM | 959 | 20 | 48 | 25 | 30 |  | ELS |
| 28 | CAFETERIA | 1892 | 12 | 158 |  |  |  | AS |
| 28A | KITCHEN | 500 |  |  |  |  |  | SS |
| 29 | LEARNING CENTER | 2082 |  |  |  |  |  | ELS |
| 29A | OT/PT | 108 |  |  |  |  |  | AS |
| 29B | SPEECH | 107 |  |  |  |  |  | AS |
| 29C | PSYCHOLOGIST | 104 |  |  |  |  |  | AS |
| 29D | BAND | 141 | 20 | 7 |  |  |  | ELS |
| 29 E | STORAGE | 141 |  |  |  |  |  | SS |
| 29 F | STORAGE | 100 |  |  |  |  |  | SS |
| 30 | STORAGE | 191 |  |  |  |  |  | SS |
| 31 | WORK ROOM | 178 |  |  |  |  |  | AS |
| 31 A | ART ROOM | 516 | 40 | 13 |  |  |  | ELS |
| 32 | BOILER ROOM | 571 |  |  |  |  |  | SS |
| 34 | STAFF LUNCHROOM | 295 |  |  |  |  |  | SS |
| 35 | SOCIAL WORKERS | 217 |  |  |  |  |  | AS |


| Room Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Current Occupancy | Space Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 36 | ASSISTANT PRINCIPAL | 105 |  |  |  |  |  | AS |
| 37 | MAIN OFFICE | 332 |  |  |  |  |  | AS |
| 37A | PRINCIPAL OfFICE | 158 |  |  |  |  |  | AS |
| 37B | NURSE | 180 |  |  |  |  |  | AS |
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|  | Total Classroom Capacity |  |  | 473 | 550 | 660 | 411 |  |

Facility Utilization and Capacity Study
Draft: March 6, 2019

## Harvard Junior High School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 100 | CLASSROOM - GRADE 7 - MATH | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 101A | SE RESOURCE | 314 | 65 | 5 |  |  | 78\% | RLS |
| 101B | CLASSROOM - LD LIFE SKILLS | 726 | 65 | 11 | 25 | 30 | 78\% | RLS |
| 102 | CLASSROOM - GRADE 7 - SOCIAL STUDIES | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 103 | CLASSROOM - GRADE 7 - LANGUAGE ARTS | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 104 | CLASSROOM - GRADE 7 - ENGLISH/LANGUAGE ARTS | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 105 | CLASSROOM - GRADE 7 - SCIENCE | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 106 | CLASSROOM - GRADE 7 - SLA/ESL | 866 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 107 | CLASSROOM - PE | 923 | 35 | 26 | 25 | 30 | 78\% | ELS |
| 108 | BAND | 1477 | 20 | 74 | 74 | 74 | 56\% | ELS |
| 109 | CLASSROOM - PE | 923 | 35 | 26 | 25 | 30 | 78\% | ELS |
| 110 | CLASSROOM - GRADE 8 - SLA | 880 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 111 | SPED - 6 thru 8 LA, MATH | 343 | 65 | 5 |  |  | 78\% | RLS |
| 112 | CLASSROOM - 6 thru 8 WORLD CULTURES | 880 | 35 | 25 | 25 | 30 | 78\% | ELS |
| 113 A | OfFICE | 215 |  |  |  |  |  | AS |
| 113B | WORKROOM | 168 |  |  |  |  |  | ELS |
| 113C | OFFICE | 112 |  |  |  |  |  | AS |
|  | COPY ROOM |  |  |  |  |  |  | AS |
| 114 | CLASSROOM - GRADE 7 - MATH | 880 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 115 | MAIN OFFICE | 398 |  |  |  |  |  | AS |
| 115A | NURSE | 116 |  |  |  |  |  | AS |
| 115B | SPECIAL ED OFFICE | 400 |  |  |  |  |  | AS |
| 115C | COPY/RECORDS | 278 |  |  |  |  |  | AS |
| 115D | PRINCIPAL OFFICE | 170 |  |  |  |  |  | AS |
| 115E | VAULT |  |  |  |  |  |  | AS |
| 116 | CLASSROOM - GRADE 8 - SOCIAL STUDIES | 880 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 117 | SCIENCE LAB - GRADE 8 | 880 | 50 | 18 | 25 | 30 | 78\% | CLS |
| 118 | CLASSROOM - GRADE 8 - MATH | 880 | 35 | 25 | 25 | 30 | 100\% | CLS |
| 119 | SCIENCE LAB - GRADE 7 \& 8 | 880 | 50 | 18 | 25 | 30 | 78\% | CLS |
| 120 | SP ED RESOURCE | 279 | 65 | 4 |  |  | 78\% | RLS |
| 120A | ASSISTANT PRINCIPAL | 156 |  |  |  |  |  | AS |
| 121 | CLASSROOM - GRADE 8 - LANGUAGE ARTS | 880 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 123 | CLASSROOM - GRADE 8 - ELA/AVID | 880 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 124 | CLASSROOM - GRADE 7/8-SS/MATH | 610 | 35 | 17 | 25 | 30 | 78\% | CLS |
| 125 | LIBRARY - GRADE 6 LA | 3387 |  |  |  |  | 56\% | ELS |
| 125A | SPECIAL EDUCATION | 269 | 65 | 4 |  |  |  | RLS |
| 125B | SOCIAL WORKER | 202 |  |  |  |  |  | AS |
| 125C | SOCIAL WORKER | 148 | 20 | 7 |  |  |  | AS |
| 125D | EXPLORATORY - ROBOT/HUMAN | 142 |  |  |  |  |  | ELS |
| 126 | ART ROOM | 1209 | 40 | 30 | 25 | 30 | 78\% | ELS |
| 127 | CLASSROOM - GRADE 6 SCIENCE | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 128 | CLASSROOM - GRADE 6 - MATH | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 129 | CLASSROOM - STEM | 890 | 40 | 22 | 25 | 30 | 89\% | ELS |
| 130 | CLASSROOM - GRADE 6 - DL SOCIAL STUDIES | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 131 | CLASSROOM - GRADE 6 SCIENCE/SOCIAL STUDIES | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 132 | CLASSROOM - GRADE 6 - ELA | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 133 | CLASSROOM - GRADE 6 - LA/READING EXT | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 134 | CLASSROOM - GRADE 6 - LA/AVID | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 135 | CLASSROOM - GRADE 6 - MATH | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 136 | CLASSROOM - GRADE 6 - SLA | 890 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 210 | GIRLS LOCKER ROOM | 425 |  |  |  |  |  | SS |
| 211 | BOYS LOCKER ROOM | 498 |  |  |  |  |  | SS |

Harvard Junior High School
Room List

| Room Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 212 | BOYS PE OFFICE | 60 |  |  |  |  |  | AS |
| 213 | GIRLS PE OFFICE | 60 |  |  |  |  |  | AS |
| 214 | GYMNASIUM | 5440 | 75 | 73 |  |  |  | ELS |
| 214 A | STORAGE | 70 |  |  |  |  |  | SS |
| 215 | GYMNASIUM | 5524 | 75 | 74 |  |  |  | ELS |
| 215A | Storage | 491 |  |  |  |  |  | SS |
| 216 | STAFF TOILET |  |  |  |  |  |  | SS |
| 217 | GIRLS RESTROOM |  |  |  |  |  |  | SS |
| 218 | BOYS RESTROOM |  |  |  |  |  |  | ss |
| 219 | JANITOR | 106 |  |  |  |  |  | Ss |
| 220 | CAFETERIA AND VOCAL MUSIC | 3105 | 15 | 207 |  |  |  | AS |
| 220 A | STORAGE | 88 |  |  |  |  |  | SS |
| 220 B | OFFICE | 86 |  |  |  |  |  | AS |
| 220 C | STORAGE | 101 |  |  |  |  |  | SS |
| 220D | Storage | 127 |  |  |  |  |  | ss |
|  | STORAGE LOFT | 400 |  |  |  |  |  | Ss |
| 221 | BOILER | 666 |  |  |  |  |  | SS |
| 222 | SCULLERY | 169 |  |  |  |  |  | ss |
| 223 | KITCHEN | 1034 |  |  |  |  |  | SS |
| 223 A | STORAGE | 148 |  |  |  |  |  | SS |
| 224 | STAFF TOILET |  |  |  |  |  |  | SS |
| 225 | GIRLS RESTROOM |  |  |  |  |  |  | ss |
| 226 | BOYS RESTROOM |  |  |  |  |  |  | Ss |
| 228 | JANITOR/STORAGE | 142 |  |  |  |  |  | Ss |
| 230 | MECHANICAL | 2156 |  |  |  |  |  | SS |
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|  | Total Classroom Capacity |  |  | 746 | 750 | 990 | 76\% |  |

## Harvard High High School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | ART ROOM | 864 | 40 | 22 | 25 | 30 | 44\% | ELS |
| 2 | VOCAL MUSIC | 1299 | 20 | 65 | 65 | 65 | 67\% | ELS |
|  | MEN |  |  |  |  |  |  | SS |
|  | WOMEN |  |  |  |  |  |  | SS |
| 3 | CLASSROOM - SOCIAL STUDIES | 621 | 35 | 18 | 25 | 30 | 78\% | CLS |
| 4 | CLASSROOM - SOCIAL STUDIES | 750 | 35 | 21 | 25 | 30 | 78\% | CLS |
| 5 | CLASSROOM - SOCIAL STUDIES | 985 | 35 | 28 | 25 | 30 | 78\% | CLS |
| 6 | CLASSROOM - MATH | 965 | 35 | 28 | 25 | 30 | 78\% | CLS |
| 7 <br> 8 | CLASSROOM - SOCIAL STUDIES | 955 | 35 | 27 | 25 | 30 | 67\% | CLS |
| 8 | CLASSROOM - BUSINESS | 957 | 35 | 27 | 25 | 30 | 78\% | ELS |
|  | MEN |  |  |  |  |  |  | SS |
|  | WOMEN |  |  |  |  |  |  | SS |
|  | STAFF TOILET - MEN |  |  |  |  |  |  | SS |
|  | STAFF TOILET - WOMEN |  |  |  |  |  |  | SS |
| 20 | BOILER | 1954 |  |  |  |  |  | SS |
| 21 | MECHANICAL | 448 |  |  |  |  |  | SS |
| 24 | STORAGE | 120 |  |  |  |  |  | SS |
| 34 | WORK ROOM | 90 |  |  |  |  |  | AS |
| 35 | STORAGE | 1208 |  |  |  |  |  | SS |
| 36 | STORAGE | 1476 |  |  |  |  |  | SS |
| 37 | STORAGE | 996 |  |  |  |  |  | SS |
| 100 | ART LAB | 1000 | 40 | 25 | 25 | 30 | 78\% | ELS |
| 101 | GYMNASIUM - AUXILIARY | 4300 | 75 | 57 | 57 | 57 | 100\% | ELS |
| 102 | STAGE | 832 |  |  |  |  |  | ELS |
| 102A | STORAGE | 142 |  |  |  |  |  | SS |
| 102B | STORAGE | 105 |  |  |  |  |  | SS |
| 102C | PE OFFICE | 117 |  |  |  |  |  | AS |
| 103 | BAND | 1439 | 20 | 72 | 72 | 72 | 67\% | ELS |
| 103A | STORAGE | 294 |  |  |  |  |  | ELS |
| 103B | STORAGE | 22 |  |  |  |  |  | ELS |
| 103C | PRACTICE | 26 |  |  |  |  |  | ELS |
| 103D | PRACTICE | 27 |  |  |  |  |  | ELS |
| 103E | OFFICE | 155 |  |  |  |  |  | AS |
| 103F | OFFICE | 256 |  |  |  |  |  | AS |
| 104 | GIRLS ATHLETIC LOCKER ROOM | 648 |  |  |  |  |  | SS |
| 104A | STORAGE |  |  |  |  |  |  | SS |
| 105 | GIRLS LOCKER ROOM | 610 |  |  |  |  |  | SS |
| 106 | FOODS LAB | 1051 | 40 | 26 | 25 | 30 | 78\% | ELS |
| 106A | STORAGE | 49 |  |  |  |  |  | SS |
| 107 | DRAFTING LAB | 776 | 40 | 19 | 25 | 30 | 78\% | ELS |
| 107A | STORAGE | 89 |  |  |  |  |  | SS |
| 108 | WOOD SHOP | 2219 | 100 | 22 | 25 | 30 | 67\% | ELS |
| 108A | FINISHING ROOM | 163 |  |  |  |  |  | ELS |
| 108B | STORAGE | 126 |  |  |  |  |  | SS |
| 108C | OFFICE | 53 |  |  |  |  |  | AS |
| 109 | WRESTLING ROOM | 2243 |  |  |  |  |  | RLS |
| 109A | STORAGE | 41 |  |  |  |  |  | SS |
| 109B | STORAGE | 41 |  |  |  |  |  | SS |
| 110 | METALS/MANUAFACTURING LAB | 3070 | 100 | 31 | 25 | 30 | 67\% | ELS |
| 110A | OFFICE | 324 |  |  |  |  |  | AS |
| IIOB | STORAGE | 310 |  |  |  |  |  | SS |
| 110C | STORAGE | 100 |  |  |  |  |  | SS |

## Harvard High High School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IIOD | LOCKERS | 139 |  |  |  |  |  | SS |
| I IOE | TOILET |  |  |  |  |  |  | SS |
| 111 | CLASSROOM - AGRICULTURE | 779 | 35 | 22 | 25 | 30 | 78\% | ELS |
| 111A | STORAGE | 59 |  |  |  |  |  | SS |
| 111B | STORAGE | 91 |  |  |  |  |  | SS |
| 112 | BOYS ATHLETIC LOCKER ROOM | 490 |  |  |  |  |  | SS |
| 113 | BOYS ATHLETIC LOCKER ROOM | 769 |  |  |  |  |  | SS |
| 113A | SHOWER ROOM |  |  |  |  |  |  | SS |
| 113B | STORAGE | 32 |  |  |  |  |  | SS |
| 113C | TOILET |  |  |  |  |  |  | SS |
| 114 | PE OFFICE | 154 |  |  |  |  |  | AS |
| 114A | TOILET |  |  |  |  |  |  | SS |
| 114B | STORAGE |  |  |  |  |  |  | SS |
| 115 | COACHES DRESSING | 125 |  |  |  |  |  | AS |
| 116 | TRAINING ROOM | 257 |  |  |  |  |  | AS |
| 116A | TOILET |  |  |  |  |  |  | SS |
| 116B | STORAGE | 48 |  |  |  |  |  | SS |
| 117 | BOYS LOCKER ROOM | 907 |  |  |  |  |  | SS |
| 117A | STORAGE | 178 |  |  |  |  |  | SS |
| 117B | TOILET |  |  |  |  |  |  | SS |
| 117C | STORAGE | 16 |  |  |  |  |  | SS |
| 117D | SHOWER ROOM |  |  |  |  |  |  | SS |
| 118 | PE OFFICE | 115 |  |  |  |  |  | AS |
| 119 | STORAGE |  |  |  |  |  |  | SS |
| 120 | TOILET |  |  |  |  |  |  | SS |
| 121 | COMPETITION GYMNASIUM | 9171 | 75 | 122 | 122 | 122 | 100\% | ELS |
| 122 | FITNESS | 1639 | 75 | 22 | 25 | 30 | 100\% | ELS |
| 123 | LIFE SKILLS | 855 | 100 | 9 | 25 | 30 | 78\% | RLS |
| 123A | STORAGE | 80 |  |  |  |  |  | SS |
| 124 | SCIENCE LAB | 977 | 40 | 24 | 25 | 30 | 78\% | CLS |
| 124A | OFFICE | 130 |  |  |  |  |  | AS |
| 124B | PREP/STORAGE | 75 |  |  |  |  |  | SS |
| 125 | SCIENCE LAB | 977 | 40 | 24 | 25 | 30 | 78\% | CLS |
| 125A | OfFICE | 130 |  |  |  |  |  | AS |
| 126 | SCIENCE LAB | 963 | 40 | 24 | 25 | 30 | 78\% | CLS |
| 126A | PREP/STORAGE | 178 |  |  |  |  |  | SS |
| 126B | OFFICE | 128 |  |  |  |  |  | AS |
| 127 | CLASSROOM - DRIVERS ED | 1046 | 35 | 30 | 25 | 30 | 78\% | ELS |
| 128 | CLASSROOM - SCIENCE (Environmental/Physical) | 887 | 35 | 25 | 25 | 30 | 78\% | CLS |
| 129 | SPED - CROSS CATEGORICAL | 347 | 65 | 5 |  |  |  | RLS |
| 130 | CLASSROOM - SCIENCE (Environmental/Physical) | 797 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 130A | STORAGE | 76 |  |  |  |  |  | SS |
| 130B | STORAGE | 84 |  |  |  |  |  | SS |
| 200 | LIBRARY | 1964 |  |  |  |  |  | ELS |
| 200A | COLLABORATION | 153 |  |  |  |  |  | ELS |
| 200B | COLLABORATION | 167 |  |  |  |  |  | ELS |
| 200 C | WORK ROOM | 181 |  |  |  |  |  | SS |
| 200D | OFFICE | 137 |  |  |  |  |  | AS |
| 201 | CLASSROOM - MATH | 540 | 35 | 15 | 25 | 30 | 78\% | CLS |
| 202 | CLASSROOM - FOREIGN LANGUGAGE - SPANISH | 531 | 35 | 15 | 25 | 30 | 78\% | ELS |
| 203 | ISS | 371 |  |  |  |  |  | AS |
| 204 | CLASSROOM - FOREIGN LANGUGAGE - SPANISH/MATH | 715 | 35 | 20 | 25 | 30 | 78\% | CLS |

## Harvard High High School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 205 | CLASSROOM - SPECIAL ED | 483 | 65 | 7 |  |  | 67\% | RLS |
| 206 | CLASSROOM - FOREIGN LANGUGAGE - SPANISH | 725 | 35 | 21 | 25 | 30 | 78\% | ELS |
| 207 | CLASSROOM - MATH | 665 | 35 | 19 | 25 | 30 | 78\% | CLS |
| 207A | OFFICE | 184 |  |  |  |  |  | AS |
| 208 | CLASSROOM - MATH | 697 | 35 | 20 | 25 | 30 | 78\% | CLS |
| 208A | OFFICE | 240 |  |  |  |  |  | AS |
| 209 | CLASSROOM - ENGLISH, SPANISH LIT | 476 | 35 | 14 | 25 | 30 | 56\% | CLS |
| 210 | CLASSROOM - ESL ENGLISH, SPANISH, READING | 480 | 35 | 14 | 25 | 30 | 78\% | CLS |
| 211 | CLASSROOM - ENGLISH | 811 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 212 | CLASSROOM - SPANISH | 814 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 213 | CLASSROOM - ENGLISH | 810 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 214 | CLASSROOM - ENGLISH | 814 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 215 | CLASSROOM - ENGLISH | 806 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 216 | CLASSROOM - ENGLISH | 802 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 217 | CLASSROOM - ENGLISH | 811 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 218 | CLASSROOM - MATH | 801 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 219 | CLASSROOM - MATH | 808 | 35 | 23 | 25 | 30 | 78\% | CLS |
| 220 | CLASSROOM - READING | 802 | 35 | 23 | 25 | 30 | 67\% | CLS |
| 221 | TRANSITION OFFICE | 440 |  |  |  |  |  | AS |
| 222 | CLASSROOM - SOCIAL STUDIES | 447 | 35 | 13 | 25 | 30 | 67\% | CLS |
| 223 | FACULTY WORK ROOM | 447 |  |  |  |  |  | SS |
| 224 | CLASSROOM - BUSINESS | 796 | 35 | 23 | 25 | 30 | 78\% | ELS |
| 225 | CLASSROOM - MATH | 857 | 35 | 24 | 25 | 30 | 78\% | CLS |
| 226 | CLASSROOM - BUSINESS | 857 | 35 | 24 | 25 | 30 | 67\% | ELS |
| 227 | WEIGHT ROOM | 1753 | 125 | 14 |  |  |  | ELS |
|  | BOYS RESTROOM |  |  |  |  |  |  | SS |
|  | GIRLS RESTROOM |  |  |  |  |  |  | SS |
| 302 | MAIN OFFICE | 518 |  |  |  |  |  | AS |
| 303 | WORK ROOM | 154 |  |  |  |  |  | SS |
| 304 | ASSISTANT PRINCIPAL | 179 |  |  |  |  |  | AS |
| 305 | DEAN OF STUDENTS | 179 |  |  |  |  |  | AS |
| 306 | PRINCIPAL | 222 |  |  |  |  |  | AS |
| 307 | GIRLS RESTROOM |  |  |  |  |  |  | SS |
| 308 | NURSE | 270 |  |  |  |  |  | AS |
| 309 | OFFICE | 124 |  |  |  |  |  | AS |
| 310 | TOILET |  |  |  |  |  |  | SS |
| 311 | CONFERENCE ROOM | 1052 | 20 | 53 |  |  |  | AS |
| 312 | GUIDANCE OFFICE | 172 |  |  |  |  |  | AS |
| 313 | OFFICE | 141 |  |  |  |  |  | AS |
| 314 | OfFICE | 145 |  |  |  |  |  | AS |
| 315 | OFFICE | 121 |  |  |  |  |  | AS |
| 316 | OFFICE | 129 |  |  |  |  |  | AS |
| 317 | OFFICE | 120 |  |  |  |  |  | AS |
| 318 | OfFICE | 100 |  |  |  |  |  | AS |
| 319 | CAREER CENTER | 149 |  |  |  |  |  | AS |
| 320 | STAFF TOILET - MEN |  |  |  |  |  |  | SS |
| 321 | JANITOR | 19 |  |  |  |  |  | SS |
| 322 | STAFF TOILET - WOMEN |  |  |  |  |  |  | SS |
| 329 | BOYS RESTROOM |  |  |  |  |  |  | SS |
| 330 | GIRLS RESTROOM |  |  |  |  |  |  | SS |
| 331 | MECHANICAL | 392 |  |  |  |  |  | SS |
| 339 | SENIORS CAFÉ | 1603 | 15 | 107 |  |  |  | AS |

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Harvard High High School

## Room List

| Room <br> Number | Room Name | Area | Assignable SF | Instructional Capacity | Rated Capacity | Theoretical Capacity | Utilization Rate | Space <br> Type |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 340 | CAFETERIA COMMONS | 3257 | 15 | 217 |  |  |  | AS |
| 341 | SERVING | 1148 |  |  |  |  |  | SS |
| 342 | KITCHEN | 873 |  |  |  |  |  | SS |
| 343 | SCULLERY |  |  |  |  |  |  | SS |
| 344 | OfFICE | 100 |  |  |  |  |  | SS |
| 345 | TOILET | 144 |  |  |  |  |  | SS |
| 346 | DRY STORAGE | 144 |  |  |  |  |  | SS |
| 347 | COOLER | 106 |  |  |  |  |  | SS |
| 348 | FREEZER | 115 |  |  |  |  |  | SS |
| 349 | STAFF LOUNGE | 693 |  |  |  |  |  | AS |
| 355 | PE STORAGE | 273 |  |  |  |  |  | SS |
| 360 | BOX OFFICE/CONCESSIONS | 106 |  |  |  |  |  | SS |
| 361 | WOMENS RESTROOM |  |  |  |  |  |  | SS |
| 362 | JANITOR | 35 |  |  |  |  |  | SS |
| 364 | MENS RESTROOM |  |  |  |  |  |  | SS |
| 400 | AUX GYM BALCONY |  |  |  |  |  |  | SS |
| 404 | ELECTRICAL/MECHANICAL | 288 |  |  |  |  |  | SS |
| 405 | BOYS RESTROOM |  |  |  |  |  |  | SS |
| 407 | STAFF RESTROOM |  |  |  |  |  |  | SS |
| 408 | GIRLS RESTROOM |  |  |  |  |  |  | SS |
|  |  |  |  |  |  |  |  |  |
|  | Total Classroom Capacity |  |  | 964 | 972 | 1149 | 82\% |  |

Harvard Community Unit School District 50

Facility Utilization and Capacity Study
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## APPENDIX C




## C.2.1 CROSBY ES MAIN LEVEL PLAN



## C.2.2 CROSBY ES UPPER LEVEL PLAN





SPATIAL UTILIZATION KEY:

| SPATIAL UTILIZATION KEY: |
| :--- |
| $\square$ |
| $\square$ |
| ADMINISTRATION SPACES |
| CORE LEARNING SPACES |
| $\square$ |
| RESOURCE LEARNING SPACES |
| $\square$ |
| EXPLORATORY LEARNING SPACES |
| SUPPORT AND SERVICES | RESOURCE LEARNING SPACES

EXPLORATORY LEARNING SPACE SUPPORT AND SERVICES


$\stackrel{\substack{\text { STACE } \\ 102}}{102}$


| SPATIAL UTILIZATION KEY: |
| :--- |
| $\square$ |
| ADMINISTRATION SPACES |
| CORE LEARNING SPACES |
| RESOURCE LEARNING SPACES |
| EXPLORATORY LEARNING SPACES |
| SUPPORT AND SERVICES |

SUPPORT AND SERVICES


Harvard Community Unit School District 50

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## APPENDIX D

## Appendix D.I

## Washington School <br> Basic Educational Underpinnings

## Grade Levels Housed: Pre-Kindergarten

Sections 2018-19: 12 Half Day Sections ages 3 through 5; plus weekly parent and children sessions birth to 3 years old

## Enrollment

The 2018-2019 Washington School enrollment is 208 students. Note that the figure stated in the Kasarda Demographic Study states that the enrollment is 148 students. Actual enrollment at Washington is limited to the capacity of the facility. Enrollment is anticipated to remain at capacity or a level to be set by the District.

## Capacity

The calculated instructional capacity is 193 as currently utilized. Six full size general classrooms ( $100 \%$ ) are used for core sections. One of these six has a half day section for special education students, at a smaller class size of 10 students. The remaining sections house up to 20 students. One classroom houses four full year, full time staff members and accommodates group meeting with parents and children ages birth to 3 .

Rated Capacity is based on utilizing all full sized classroom spaces in the core curriculum, and a uniform class size. For pre-kindergarten, when calculating design capacity a planning number of 20 as the standard class size is used. The product of the number of instructional spaces times 20 students per space is then multiplied by the utilization rate, which provides the rated capacity. In this calculation, one section is calculated at 10 students as noted above, therefore, the rated capacity, based on utilizing all classrooms for core sections, is 230 students.

Theoretical Capacity for pre-kindergarten is equivalent to the Rated Capacity at 230 students.

## Curriculum

Washington School's core delivery includes the following:
Lunch: No lunch is served

Gym: Students use both a small gross motor room and the multi-purpose room for motor activities.

2018-2019 Enrollment: 208 Students Instructional Capacity: 193 Students
2018-2019

ENROLLMENT

| GRADE | SECTIONS | $\begin{gathered} \hline \hline \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | $\begin{gathered} \hline \hline \text { AVG. CLASS } \\ \text { SIZE } \end{gathered}$ | $\begin{gathered} \hline \text { TOTAL } \\ \text { STUDENTS } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| EC/PK | 12 | 6 | 17.3 | 208 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| TOTAL | 12 | 6 | 17.3 | 208 |

## Rated Capacity: 230 Students

Full size classrooms currently used for functions other than core classrooms includes Birth to 3 staff.

RATED CAPACITY

| GRADE | $\begin{gathered} \# \\ \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | OTHER CR | $\begin{array}{\|c\|} \hline \text { AVG. CLASS } \\ \text { SIZE } \\ \hline \end{array}$ | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EC/PK | 11 | 5.5 | - | 20 | 220 |
| EC-SE | 1 | 0.5 | - | 10 | 10 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Birth to 3 |  |  | 1 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 12 | 6 | 1 | 19.2 | 230 |

Theoretical Capacity: 230 Students
THEORETICAL CAPACITY

| GRADE | $\begin{gathered} \# \\ \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \#CORE } \\ \text { CLASSROOMS } \end{gathered}$ | OTHER CR | $\begin{aligned} & \hline \text { AVG. CLASS } \\ & \text { SIZE } \end{aligned}$ | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EC/PK | 11 | 5.5 | - | 20 | 220 |
| EC- SE | 1 | 0.5 | - | 10 | 10 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Birth to 3 |  |  | 1 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 12 | 6 | 1 | 19.2 | 230 |

## Core Curriculum Spaces:

Grades PK: Six (6) classrooms
Other full sized classrooms: (1) currently used for Birth to 3 staff;
Specialized Learning Environments:

Physical Education/Performance: Gymnasium, includes stage. Stage is used for reading intervention staff

Intervention: Variety of staff in small offices or converted storage rooms.
Administration:
School: Offices for school administration, and health office.

## Building Support:

Includes storage area, custodial, electrical, and mechanical.

## Appendix D. 2

# Crosby Elementary School <br> Basic Educational Underpinnings 

Grade Levels Housed: Grades K through 3

Sections Per Grade Level: 2018-19, 10 Sections Kindergarten \& 1, 9 Sections Grades 2 \& 3

## Enrollment

The 2018-2019 Crosby Elementary School enrollment is 807 students. The anticipated enrollment for the next several years is expected to remain stable barring any unexpected spikes in enrollment, with a maximum of 832 students in the 2020-21 school year.

## Capacity

The calculated instructional capacity is 838 as currently utilized. All thirty-seven (37) of the full size general classrooms ( $100 \%$ ) are used for core sections. The originally purposed technology room adjacent to the Library has been repurposed as an additional classroom, currently serving first grade. In addition one full size room and three half size classrooms serve Special Education programming.

Rated Capacity is based on utilizing all full sized classroom spaces in the core curriculum, and a uniform class size. For most purposes, when calculating design capacity a planning number of 25 as the standard class size is used. The product of the number of instructional spaces times 25 students per space is then multiplied by the utilization rate, which provides the rated capacity. The rated capacity, based on utilizing all classrooms for core sections, is 975 students.

Theoretical Capacity is based on utilizing all full sized classroom spaces, including special purpose rooms, and a uniform class size. For most purposes, when calculating design capacity a planning number of 30 as the maximum class size is used. The product of the number of instructional spaces times 30 students per space is then multiplied by the utilization rate (as applicable), which provides the theoretical capacity. The theoretical capacity, based on utilizing all classrooms for core sections, is 1170 students.

## Curriculum

Crosby Elementary School's core delivery includes the following:
Lunch: $\quad 4$ periods: 40 minutes total; 20 minutes lunch, 20 minutes recess (half the cohort is at lunch while the other half is at recess for each grade level seating)

Gym: All grades 1x per week for 60 minutes (1 teaching station - 2 classes per session)
Art: $\quad$ All grades 1x per week for 60 minutes

Music: All grades 1x per week for 60 minutes
Library: All grades 1x per week for 60 minutes
Technology: All grades 1x per week for 60 minutes
Character Ed: All grades 1x per week for 60 minutes

2018-2019 Enrollment: 807 Students Instructional Capacity: 838 Students
2018-2019

ENROLLMENT

| GRADE | SECTIONS | $\begin{gathered} \hline \hline \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | $\begin{gathered} \hline \hline \text { AVG. CLASS } \\ \text { SIZE } \end{gathered}$ | TOTAL STUDENTS |
| :---: | :---: | :---: | :---: | :---: |
| EC | 0 | 0 | 0 | 0 |
| K | 10 | 10 | 19.4 | 194 |
| 1 | 10 | 10 | 22.2 | 222 |
| 2 | 9 | 9 | 21.9 | 197 |
| 3 | 9 | 9 | 21.6 | 194 |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| TOTAL | 38 | 38 | 21.2 | 807 |

## Rated Capacity: 975 Students

Full size classrooms currently used for functions other than core classrooms includes Special Education

## RATED CAPACITY

| GRADE | $\begin{gathered} \# \\ \hline \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | OTHER CR SIZED SPACES | $\begin{array}{\|c\|} \hline \text { AVG. CLASS } \\ \text { SIZE } \\ \hline \end{array}$ | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EC | 0 | 0 | - |  |  |
| K | 10 | 10 | - | 25 | 250 |
| 1 | 9 | 9 | - | 25 | 225 |
| 2 | 9 | 9 | - | 25 | 225 |
| 3 | 9 | 9 | - | 25 | 225 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Converted Tech Lab | 1 | 1 | - | 25 | 25 |
| Special Ed | - |  | 1 | 25 | 25 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 38 | 39 | 1 | 25 | 975 |

Theoretical Capacity: 1170 Students

## THEORETICAL CAPACITY

| GRADE | $\begin{gathered} \# \\ \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | $\begin{array}{\|c\|} \hline \text { OTHER CR } \\ \text { SIZED SPACES } \end{array}$ | $\begin{array}{\|\|c\|} \hline \text { AVG. CLASS } \\ \text { SIZE } \end{array}$ | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: |
| EC | 0 | 0 | - |  |  |
| K | 10 | 10 | - | 30 | 300 |
| 1 | 9 | 9 | - | 30 | 270 |
| 2 | 9 | 9 | - | 30 | 270 |
| 3 | 9 | 9 | - | 30 | 270 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Converted Tech Lab | 1 | 1 | - | 30 | 30 |
| Special Ed | - |  | 1 | 30 | 30 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 38 | 38 | 1 | 30 | 1170 |

## Core Curriculum Spaces:

Grades K through 3: Twenty-eight (289) classrooms, plus one lab converted to core classroom ten (10) Kindergarten Classrooms, ten (10) First Grade Classrooms, nine (9) Second Grade Classrooms, and nine (9) Third Grade Classrooms. See below for specialized learning.

Other full sized classrooms: (1) currently used for Cross Categorical Special Education;

## Specialized Learning Environments:

Physical Education/Performance: Gymnasium, includes stage.
Art: Conducted in Four (4) multi-purpose Discovery Centers or in core classrooms

General Music: Two (2) dedicated classrooms.

Technology: Learning Center and 1:1.
Library/Learning Center: Includes story room, stacks, reading area, and group-work tables.
Cafeteria: Dedicated Cafeteria, with full preparation kitchen, capacity 256, currently used by up to 222 per lunch period.

Special Education: (1) full sized classrooms used for cross categorical special ed. (3) Half size classrooms used for SE Resource

Intervention: (6) small group and/or offices for intervention.

## Administration:

School: Offices for school administration, and health office.

Staff: One (1) dedicated staff lunch room.

## Building Support:

Includes storage area, custodial, electrical, and mechanical.

## Appendix D. 3

## Jefferson School

Basic Educational Underpinnings

## Grade Levels Housed: Grades 4 and 5

Sections Per Grade Level: 2018-19, 9 Sections Grade 4, 10 Sections Grade 5

## Enrollment

The 2018-2019 Jefferson School enrollment is $\mathbf{4 1 1}$ students. The anticipated enrollment for the next several years is expected to remain stable barring any unexpected spikes in enrollment, with a maximum of 425 students in the 2022-23 school year.

## Capacity

The calculated instructional capacity is 473 as currently utilized. Nineteen (19) of the available twenty-two (22) full size general classrooms ( $86 \%$ ) are used for core sections. The remaining classrooms are used for special education and gifted/STEM programming.

Rated Capacity is based on utilizing all full sized classroom spaces in the core curriculum, and a uniform class size. For most purposes, when calculating design capacity a planning number of 25 as the standard class size is used. The product of the number of instructional spaces times 25 students per space is then multiplied by the utilization rate, which provides the rated capacity. The rated capacity, based on utilizing all classrooms for core sections, is 550 students.

Theoretical Capacity is based on utilizing all full sized classroom spaces, including special purpose rooms, and a uniform class size. For most purposes, when calculating design capacity a planning number of 30 as the maximum class size is used. The product of the number of instructional spaces times 30 students per space is then multiplied by the utilization rate (as applicable), which provides the theoretical capacity. The theoretical capacity, based on utilizing all classrooms for core sections, is 690 students.

Curriculum

Jefferson School's core delivery includes the following:
Lunch: 2 periods: 40 minutes lunch, comprised of two 20 minute grade level seatings each
Gym: All grades $2 x$ per week for 30 minutes (1 teaching station)

Art: $\quad$ All grades 1x per week for 60 minutes
Music: $\quad$ All grades $2 x$ per week for 30 minutes
Library: All grades $1 x$ per week for 60 minutes
Enrichment/Specials: Grade 5 for 40 minutes per day
Readers Workshop: 40 minutes per day
Band: Daily small group lessons

2018-2019 Enrollment: 411 Students Instructional Capacity: 473 Students

$$
\begin{gathered}
\text { 2018-2019 } \\
\text { ENROLLMENT }
\end{gathered}
$$

| GRADE | $\begin{gathered} \# \\ \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \hline \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | $\begin{gathered} \hline \hline \text { AVG. CLASS } \\ \text { SIZE } \end{gathered}$ | $\begin{gathered} \hline \text { TOTAL } \\ \text { STUDENTS } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| ECL | 0 | 0 | 0 | 0 |
| K | 0 | 0 | 0 | 0 |
| 1 | 0 | 0 | 0 | 0 |
| 2 | 0 | 0 | 0 | 0 |
| 3 | 0 | 0 | 0 | 0 |
| 4 | 9 | 9 | 21 | 191 |
| 5 | 10 | 10 | 22 | 220 |
|  |  |  |  |  |
| Life Skills | 1 | 1 |  |  |
| ED/BD | 1 | 1 |  |  |
|  |  |  |  |  |
| TOTAL | 21 | 21 | - | 411 |

## Rated Capacity: 555 Students

Full size classrooms currently used for functions other than core classrooms includes Special Education Resource, STEM \& Gifted, Life Skills \& ED/BD.

RATED CAPACITY

| GRADE | $\begin{gathered} \# \\ \hline \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | $\begin{gathered} \text { OTHER CR } \\ \text { SIZED SPACES } \end{gathered}$ | $\begin{array}{\|\|c\|} \hline \hline \text { AVG. CLASS } \\ \text { SIZE } \end{array}$ | $\begin{array}{c\|} \hline \text { TOTAL } \\ \text { STUDENTS } \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ECL | 0 | 0 | - |  |  |
| K | 0 | 0 | - |  |  |
| 1 | 0 | 0 | - |  |  |
| 2 | 0 | 0 | - |  |  |
| 3 | 0 | 0 | - |  |  |
| 4 | 9 | 9 | - | 25 | 225 |
| 5 | 10 | 10 | - | 25 | 250 |
| $\begin{array}{\|l\|l} \hline \text { Life Skills } \\ \text { ED/BD } \end{array}$ | 1 | 1 | - | 25 | 25 |
|  |  |  |  |  |  |
| SE <br> Resource | - | 1 | - | 25 | 25 |
| $\begin{gathered} \hline \text { Gifted/ } \\ \text { STEM } \end{gathered}$ | - | - | 1 | 25 | 25 |
| Art | - | - | - | - | - |
| Music | - | - |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 20 | 21 | 1 | 25 | 550 |

Theoretical Capacity: 690 Students
THEORETICAL CAPACITY

| GRADE | $\begin{gathered} \# \\ \text { SECTIONS } \end{gathered}$ | $\begin{gathered} \text { \# CORE } \\ \text { CLASSROOMS } \end{gathered}$ | OTHER CR | $\begin{array}{\|l} \hline \text { AVG. CLASS } \\ \text { SIZE } \end{array}$ | TOTAL STUDENTS |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ECL | 0 | 0 | - |  |  |
| K | 0 | 0 | - |  |  |
| 1 | 0 | 0 | - |  |  |
| 2 | 0 | 0 | - |  |  |
| 3 | 0 | 0 | - |  |  |
| 4 | 9 | 9 | - | 30 | 270 |
| 5 | 10 | 10 | - | 30 | 300 |
| Life Skills <br> ED/BD | 1 | 1 | - | 30 | 30 |
|  |  |  |  |  |  |
| $\begin{array}{\|c\|} \hline \text { SE } \\ \text { Resource } \\ \hline \end{array}$ | - | 1 | - | 30 | 30 |
| $\begin{aligned} & \hline \text { Gifted/ } \\ & \text { STEM } \\ & \hline \end{aligned}$ | - | - | 1 | 30 | 30 |
| Art | - | - |  |  |  |
| Music | - | - | 1 | 30 | 30 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| TOTAL | 20 | 21 | 2 | 30 | 690 |

## Core Curriculum Spaces:

Grades 4 through 5: Nineteen (19) classrooms - nine (9) Fourth Grade Classrooms, and ten (10) Fifth Grade Classrooms. See below for specialized learning.

Other full sized classrooms: (1) currently used for Cross Categorical Special Education; (1) currently used for Gifted/STEM; (1) currently used for Life Skills \& ED/BD

## Specialized Learning Environments:

Visual Arts: Gymnasium used as multi-purpose room, includes stage.
Art: One (1) dedicated space, undersized and without access to water.
General Music: One (1) dedicated classroom without storage.
Computers: Learning Center.
Library/Learning Center: Includes stacks, reading area, and group-work tables.
Physical Education: Gymnasium used for PE.
Cafeteria: Dedicated Cafeteria, with warming kitchen, capacity 158, currently used by up to 220 per lunch period.

Special Education: (1) full sized classrooms used for cross categorical special ed. Resource pullout, 4 staff.
(2) Half size classrooms used for self-contained Life Skills and ED/BD

Intervention: (1) small classroom used for reading intervention. Individual offices for speech, psychologist, OT/PT, and social workers. (7) part-time reading specialists without dedicated space.

## Administration:

School: Offices for school administration, and health office. Missing functions include Work Room and Conference Room.

Staff: One (1) dedicated but undersized staff lunch room.

## Building Support:

Includes storage area, custodial, electrical, and mechanical.

## Appendix D. 4

## Harvard Junior High School

 Basic Educational UnderpinningsGrade Levels Housed - 6th, 7th, \& 8th

## Enrollment

The 2018-2019 Junior High School enrollment is 596 students. The anticipated enrollment for the next several years is expected to remain stable barring any unexpected spikes in enrollment, with a Series B maximum of 645 students in the 2025-26 school year.

## Capacity

The calculated instructional capacity is 746 as currently utilized with an average utilization rate of $76 \%$. The rated capacity as currently utilized is 750 students. The theoretical capacity, as currently utilized is 990 students.

## Grade Level Organization

6th Grade - 202 Students (2018-2019)
Avg. Class Size - 19 Students
Core Subject Classrooms - 9
Math, Science, Social Studies, Language Arts (1 period each)
Dual Language offered in Social Studies, Spanish speaking and AVID offered in Language Arts, and Extended options available in Language Arts \& Math

7th Grade - 196 Students (2018-2019)
Avg. Class Size - 22 Students
Core Subject Classrooms - 7
Math, Science, Social Studies, Language Arts, (1 period each)
Dual Language offered in Science, Spanish speaking and AVID offered in
Language Arts, and Extended option available in Math
8th Grade - 198 Students (2018-2019)
Avg. Class Size - 21 Students
Core Subject Classrooms - 7
Math, Science, Social Studies, Language Arts (1 period each)
Dual Language offered in Science, Spanish speaking and AVID offered in Language Arts

Number of Periods per Day - 9 (42 minutes each, 3 minute passing periods)
Number of Core Subject Periods - 4 per day, $5 x$ per week
Number of Lunch Periods - 3 periods, 42 minutes each including HIVE (1 per Grade level, lunchroom capacity 207 students)

Physical Education / Health - Full Year, 5 x per week, 42 minutes each

Exploratory Curriculum Offered - All grades
Music
Art
World Cultures
Spanish
STEM
Robot/Human

Special Education
LD (Learning Disabilities)
ESL
Speech/Language
Hearing Impairment
Athletics

|  | Boys | Girls | Co-Ed |
| :--- | :--- | :--- | :--- |
| Fall | None | Volleyball | Cross Country, Soccer |
| Winter | Basketball, Wrestling | Basketball | None |
| Spring | None | None | Track \& Field |

