



**COOPERATIVE**  
STRATEGIES

COMPLETE FINANCIAL & DEMOGRAPHIC PLANNING FOR EDUCATION

**Granville Exempted Village  
School District**

Capacity Study

August 2022

# Executive Summary



## **Capacity Study Overview**

In the summer of 2022, Cooperative Strategies (CS) conducted a capacity study for the Granville Exempted Village School District (GEVSD). First, CS collected floor plans and facility data from GEVSD. Assessors from CS then made on-site visits to all GEVSD schools. During these visits, CS met with principals to review building layout, confirm room uses, and discuss any special programs or other building considerations. Assessors from CS then measured each space and estimated the square footage, and noted the design and actual use of all instructional spaces.

Capacity can be difficult to calculate as there are a variety of programs that have different requirements within each building. For example, in K-5 schools, when students leave their homeroom to attend a specialty class like art or music, their homeroom remains empty. Therefore, homeroom classrooms carry a student capacity and specialty spaces such as art rooms, music rooms, or gymnasiums do not.

When students leave a classroom or teaching space at the middle and high school level, another set of students typically fills that space. For this reason, specialty spaces such as art, music, career tech, and gym do carry a capacity. The total capacity for middle and high schools is then multiplied by a scheduling factor. This allows each teaching space to be used for planning purposes a portion of the day. The scheduling factor used at middle and high schools is 85.7%, as teaching spaces are used, on average, 6 out of 7 periods.

## **Program Capacity**

A program capacity was calculated for all grade levels; it shows the number of students a facility can house based on the current use of each space, regardless of what it was originally designed for. Using this methodology, any designed classrooms used for administrative, resource/pull-out, or other support services were not assigned a capacity.

## **Design Capacity**

A design capacity was also calculated for each grade level. Through principal interviews and building tours, CS was able to identify which classrooms in each building are being used as non-capacity bearing spaces. At elementary and intermediate schools, non-capacity classrooms being used for purposes other than specialty spaces (art/music/global language) were reclaimed as standard capacity classrooms in this model. At the middle and high school level, the design capacity model assigned a capacity to all designed classrooms, regardless of their current use.

# Elementary & Intermediate Capacity



## **Elementary Class Size**

The table to the right outlines the class size assigned to each elementary and intermediate school space type based on Granville Exempted Village School District class size practices. Any classrooms used for self-contained special education were assigned a capacity of 10 students.

Space	Class Size
K-3rd	22
4th-6th	25
Self-Contained Special Education	10

## **Terms:**

Total Building Classrooms = All designed classrooms

Standard Capacity Classrooms = Total Building Classrooms minus SPED Self-Contained, Specialty Spaces, and Other

SPED Self-Contained = Classrooms used for self-contained special education

Specialty Spaces = Designed classrooms used for art, music, and global language

Other = Designed classrooms used for resource, administrative, or other support spaces

Capacity = Number of Standard Capacity Classrooms multiplied by class size for each school; 10 students are added per SPED Self-Contained classroom;

Utilization = Enrollment divided by Capacity

# Elementary Capacity



The tables below illustrate the program and design capacity and utilization for each elementary school. Since elementary schools operate on a homeroom model, an ideal utilization range is 85% - 100%.

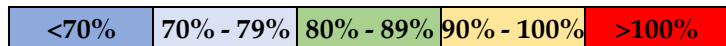
School	Total Building Classrooms	Program Capacity					2021-22 Enrollment	2021-22 Program Capacity Utilization
		Standard Capacity Classrooms	SPED Self-Contained	Specialty Spaces (Art / Music / Global)	Other	Capacity		
Granville ES*	39	35	1	3	0	802	714	89.0%
Granville IS	30	24	1	4	1	610	609	99.8%

\*Capacity at GES includes 2 annex classrooms that will be used for KG in 2022-23. GES also uses one classroom for half day KG. This space has been given a capacity of 44 students, since it can be used for am and pm KG.

School	Total Building Classrooms	Design Capacity					2021-22 Enrollment	2021-22 Design Capacity Utilization
		Standard Capacity Classrooms	SPED Self-Contained	Specialty Spaces (Art / Music / Global)	Other	Capacity		
Granville ES*	39	35	1	3	0	802	714	89.0%
Granville IS	30	25	1	4	0	635	609	95.9%

\*Capacity at GES includes 2 annex classrooms that will be used for KG in 2022-23. GES also uses one classroom for half day KG. This space has been given a capacity of 44 students, since it can be used for am and pm KG.

Utilization Key:



# Middle & High School Capacity



The table to the right outlines the class sizes assigned to each middle and high school space type based on Granville Exempted Village School District class size practices. Any classrooms used for self-contained special education were assigned a capacity of 10 students.

Space	Class Size
7th - 12th	25
Self-Contained Special Education	10

## **Terms:**

Total Building Classrooms = All designed classrooms

Standard Capacity Classrooms = Total Building Classrooms minus SPED Self-Contained and Other

SPED Self-Contained = Classrooms used for self-contained special education

Other = Designed classrooms used for resource, administrative, or other support spaces

Capacity = Number of Standard Capacity Classrooms multiplied by 25, then multiplied by 86%; 10 students are added per SPED Self-Contained classroom

Utilization = Enrollment divided by Capacity

# Middle & High School Capacity

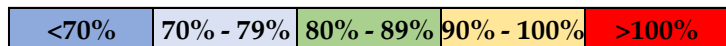


The tables below illustrate the program and design capacity and utilization for each middle and high school. Due to the variety of course offerings and the realities of scheduling at middle and high schools, 80%-90% is considered an ideal utilization range.

School	Total Building Classrooms	Program Capacity				2021-22 Enrollment	2021-22 Program Capacity Utilization
		Standard Capacity Classrooms	SPED Self-Contained	Other	Program Capacity w/ 86% Scheduling Factor		
Granville MS	26	25	1	0	544	428	78.7%
Granville HS	46	45	1	0	972	786	80.9%

School	Total Building Classrooms	Design Capacity				2021-22 Enrollment	2021-22 Design Capacity Utilization
		Standard Capacity Classrooms	SPED Self-Contained	Other	Design Capacity w/ 86% Scheduling Factor		
Granville MS	26	25	1	0	544	428	78.7%
Granville HS	46	45	1	0	972	786	80.9%

Utilization Key:

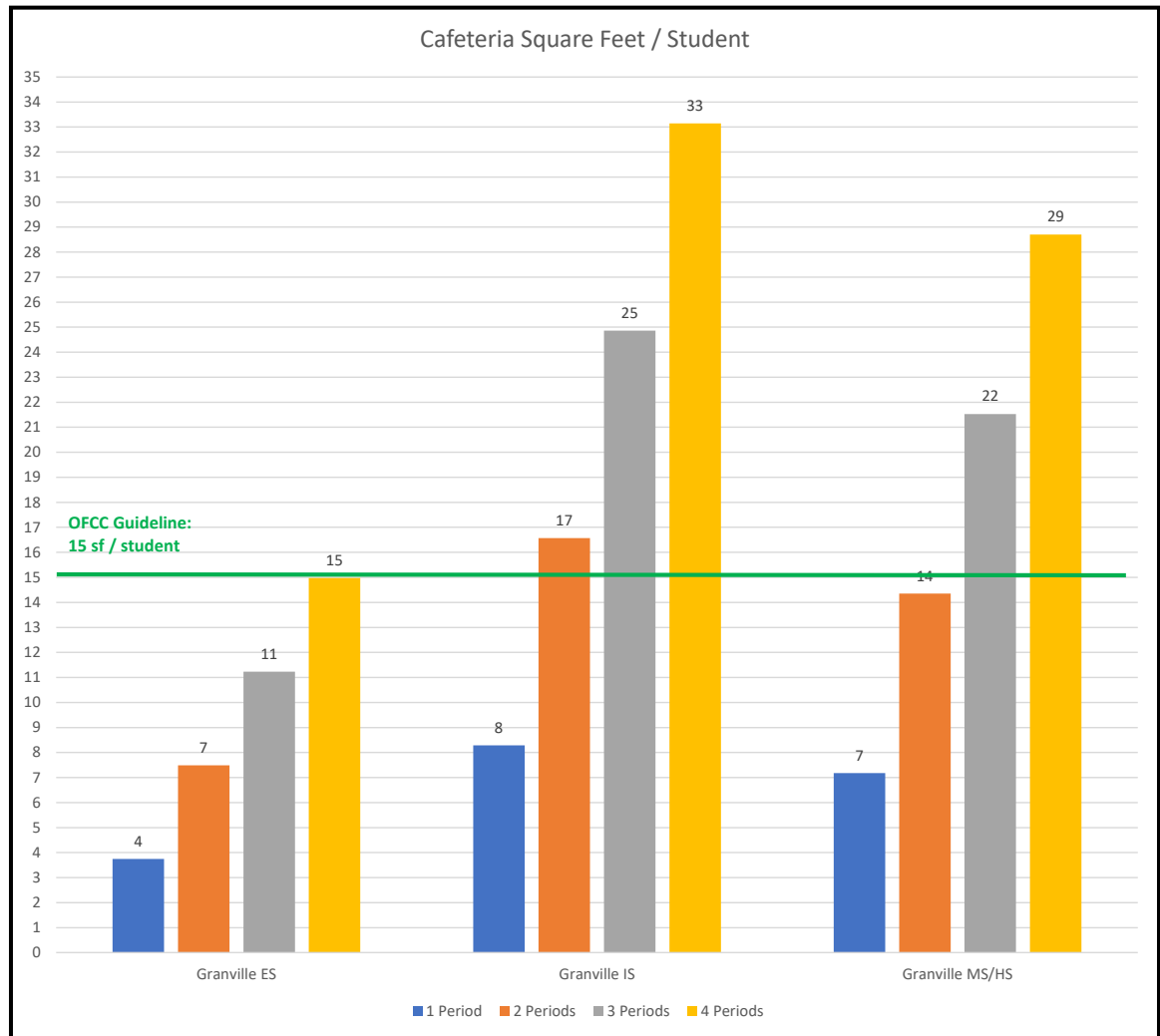


# Cafeteria Space



Another consideration when calculating the capacity of a building is the size of the cafeteria and the ability to serve lunch to all students. The Ohio Facilities Construction Commission recommends 15 square feet per student for each lunch period. The table below shows what the cafeteria square feet per student would be at each building based on 1, 2, 3, or 4 lunch periods. These numbers assume 100% design capacity utilization. Since Granville Middle and High share a cafeteria the square feet per student were calculated as one number.

School	Design Capacity	Cafeteria Square Feet (Estimated)
Granville ES	780	2920
Granville IS	635	5262
Granville MS/HS	1770	12700



# Conclusion

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Changes to program offerings and class size requirements can have large impacts on the capacity of school buildings from year to year. It is recommend that close attention be paid to any changes in capacity, enrollment, and utilization numbers to help make informed facility decisions. Cooperative Strategies is pleased to have had the opportunity to provide the Granville Exempted Village School District with this Capacity Study.

