

North Barrington Elementary School



BLUEPRINT 220

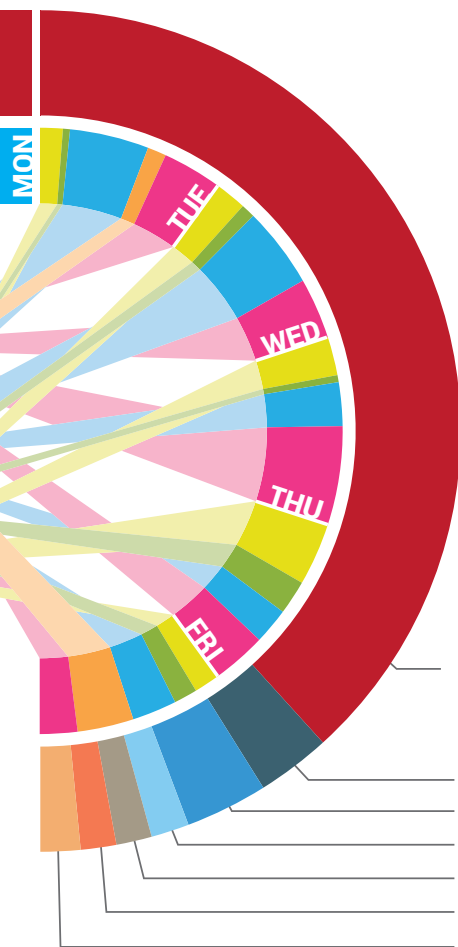
A future-ready facilities plan

North Barrington Elementary School was built in 1998 on a 9-acre site. The school's gross square footage is 61,500 square feet, with an overall capacity of 549 students.

PERCENTAGE OF TIME SPENT AT A LOCATION

IN A MODALITY

- 0% TWO CLASSES
- 33% WHOLE CLASS
- 8% LARGE GROUP
- 30% SMALL GROUP
- 9% PAIRS
- 19% INDEPENDENT



Over the month of January, the DLR Group team assessed each building noting deficiencies in material finish and code compliance. The team also shadowed a student for a day to see the variety of learning modalities used. At day's end, an all staff meeting was held where faculty gave input about the strengths and weaknesses of the building. Data collected from these visits | meetings is shown in the above diagrams.

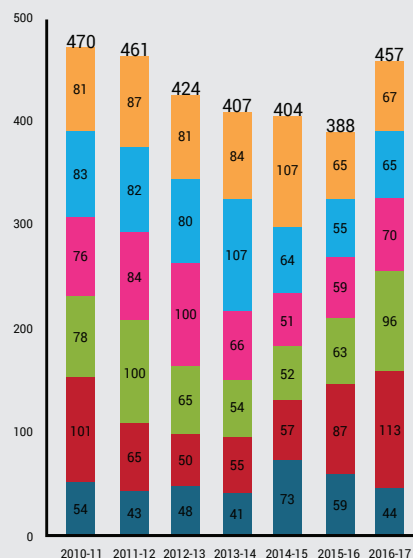
- 77% CLASSROOM
- 6% GYM
- 6% CAFETERIA
- 3% LIBRARY
- 3% MUSIC
- 3% ART
- 3% OUTSIDE

TOP 5 TAKE-AWAYS

- LISTENING TOUR**
- 1 Operable walls present acoustical issue between rooms
 - 2 Projector in pod areas would make it more functional
 - 3 Flexible seating
 - 4 Exiting parking lot is difficult
 - 5 Outdoor classroom is used often

- BUILDING CONDITION**
- 1 Mechanical boilers and roof top units are at end of expected life
 - 2 CMU control joint sealant needs replacement throughout
 - 3 Replace mechanical controls and pumps
 - 4 Fire rated sealant missing from rated wall penetrations
 - 5 Stair stringers are corroded

ENROLLMENT



By Grade Level

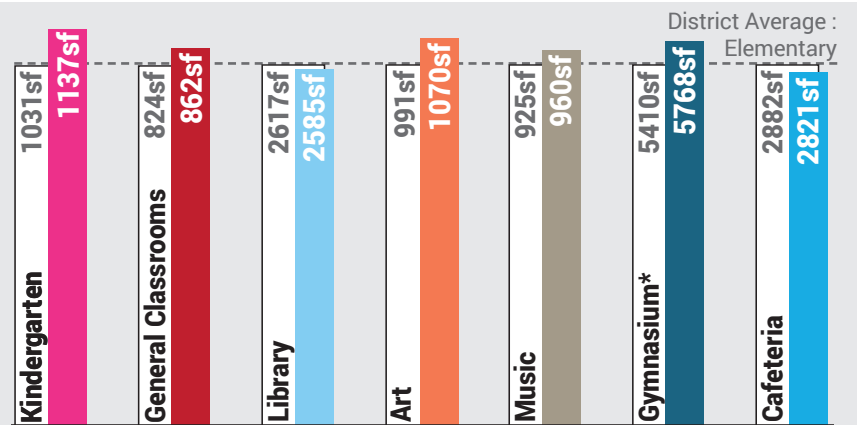
Current : 450
 2017-18 : 465
 2019-20 : 489

Capacity per SF : 549*
 Capacity per District Guidelines : 506

Post-2020 : Levels off

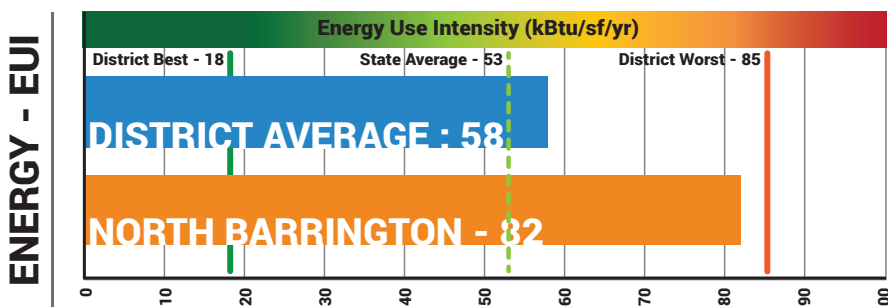
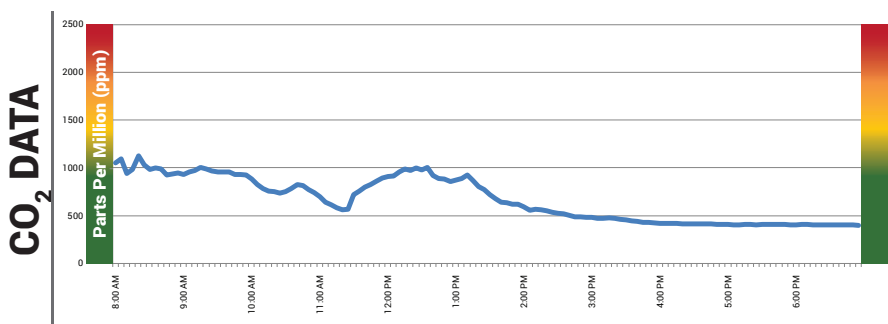
* This capacity value is a measurement of students per square foot per State of Illinois guidelines and indicates the relative number of students that may be present at any one time. This may or may not directly correlate to the total enrollment when considering half day programs and other program offerings. The Blueprint 220 process will determine the facility's ability to support District goals and program offerings.

AREA COMPARISON



137 square feet per student : 149 square feet per student
 North Barrington Elementary : 2015 National Low Quartile*

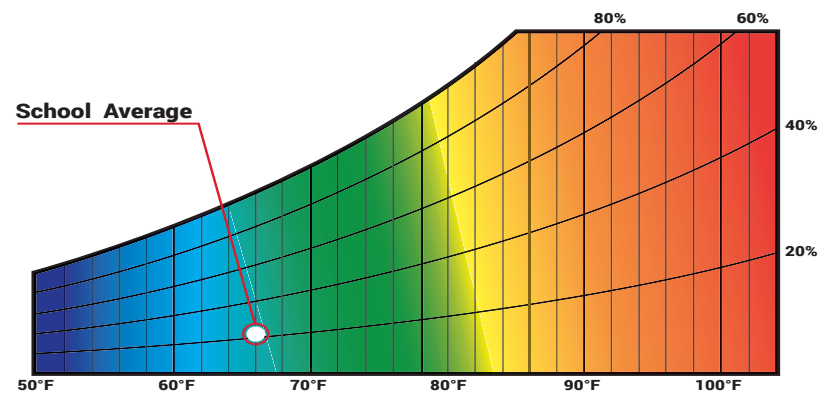
* This comparison notes the difference between North Barrington's area per student in comparison to the current National average as noted in the 2015 School Construction Report. The Blueprint 220 process will produce outcomes pertinent to the District as a whole. This is just one metric to compare space.



Did you know . . .

- 54% of occupants claim there is not enough fresh air
- 46% are disturbed by noise from fans or other mechanical
- 54% are "Too Hot" in Summer

THERMAL COMFORT



How is this information collected?

The DLR Group team collected data through the use of an environmental sensor. The sensor was placed in a predetermined room where it took in data from one to five days. The data was then analyzed using Excel.

