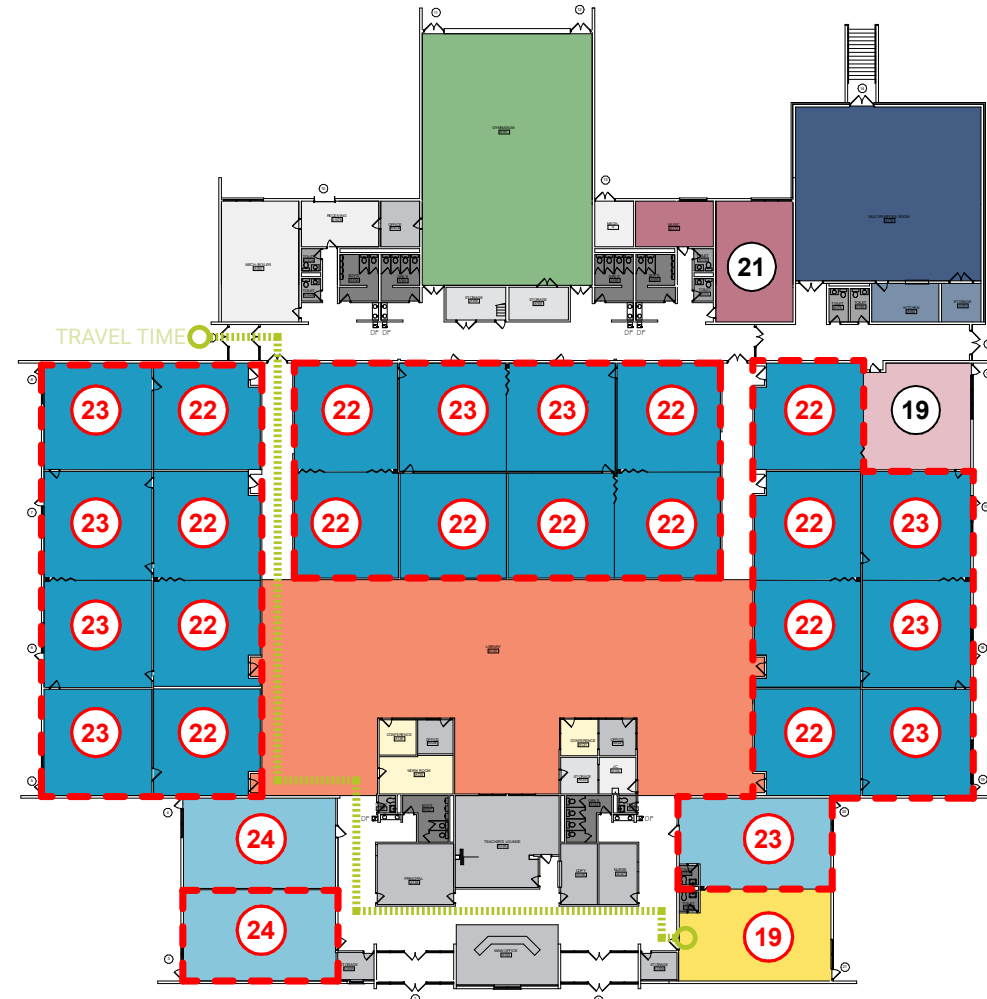




# Glenbrook Elementary School

315 Garden Circle, Streamwood, IL 60107

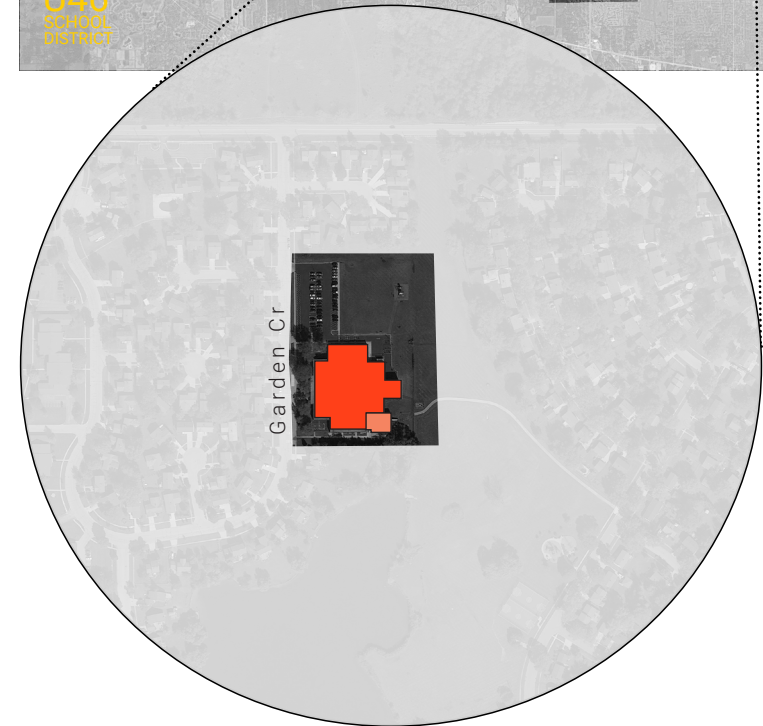
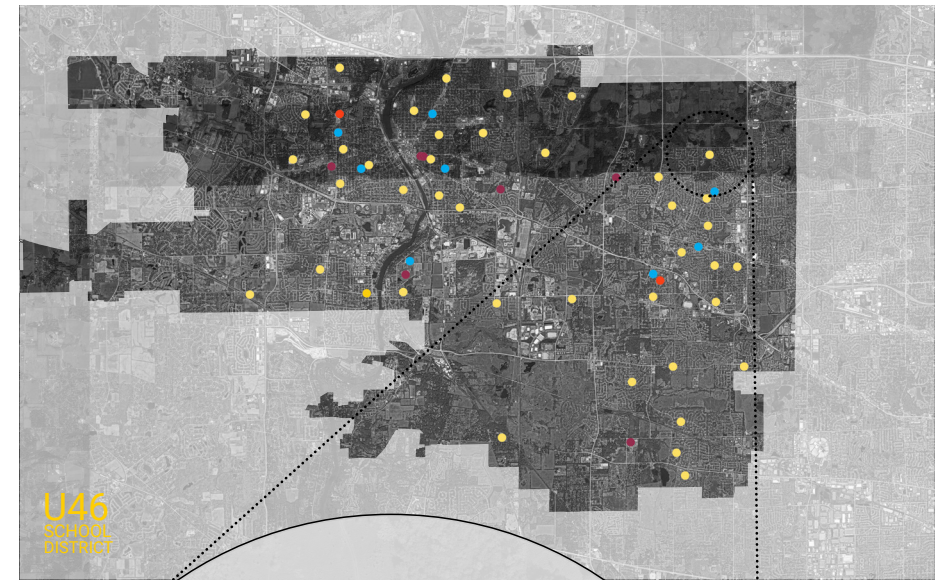
BUILDING SUMMARY			
Gross SF	47,250	Number of Levels	1
Year Built	1971	Number of Additions	1



LEVEL 1



FACILITY LOCATION



**Current**  
Acreage:  
**5.36**  
ACRES

**Guideline**  
Acreage:  
**9.97**  
ACRES

\* Guideline Acreage recommended by State of Illinois = 5 acres plus 1 acre per every 100 students

■ 1971  
■ 1998

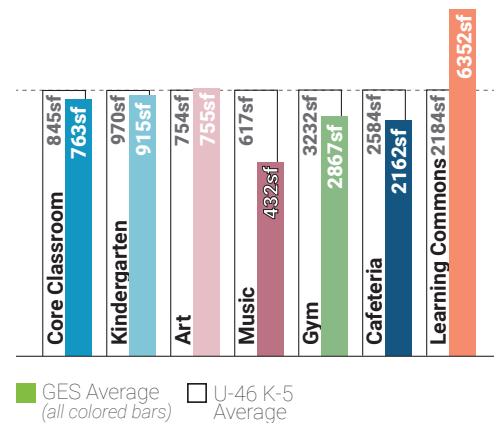
ENROLLMENT METRICS

<b>Occupancy**</b>	<b>1071</b>
<b>Effective Capacity</b>	<b>605</b>
<b>Total Enrollment</b>	<b>497</b>

**Occupancy:** the maximum number of people that can be housed in a space in accordance with the building/fire code  
**\*\*NOTE:** Occupancy is NOT the recommended number of students for a space, it is the maximum allowed by code.

**Effective Capacity:** the amount of students a school can effectively support based on the District's current practices and future vision for teaching and learning. This is calculated based on ISBE's square footage per student guideline. Calculated based on core classrooms, science labs and Special Education spaces.  
**Enrollment:** number of students that attended the facility in 2019-2020.

AREA COMPARISON



**95** square feet per student : **150** square feet per student  
 Glenbrook Elementary School : 2015 National Low Quartile Number

\* This comparison notes the difference between Glenbrook Elementary School area per student in comparison to the current National average as noted in the 2015 School Construction Report. The master planning process will produce outcomes pertinent to the District as a whole. This is just one metric to compare space.

TRAVEL

**5-7 MIN** Furthest approximate travel time from one location to another for an average **Kindergarten Student.**

**4-6 MIN** Furthest approximate travel time from one location to another for an average **Fourth Grade Student.**

PLAN KEY

- Administration
- Performance Venue
- Travel Path
- Building Support
- Performing Arts Classroom
- Under-sized space
- Cafe Support
- Resources
- Science Lab
- Commons / Cafeteria
- Special Education
- Stem / Hands-On Learning
- Core Classroom
- Restrooms
- Student Support
- Elective Classroom
- Visual Arts
- Gym / Fitness
- Learning Center
- Media Lab
- Kindergarten / ECC

**10** Room Capacity based on ISBE Guidelines

**10** Room Capacity based on ISBE Guidelines (not included in Effective Capacity)

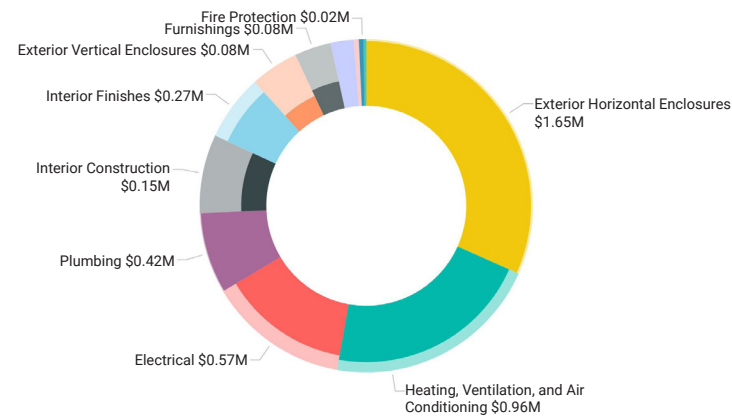
FACILITY GRADES

<b>Spatial Educational Adequacy(25%)</b>	<b>D</b>	<b>Facility Condition(35%)</b>	<b>C</b>
(Data collected through Staff Survey)	<b>5.5/10</b>	FCI	.29
Physical Features	6.3/10	<b>Water Usage(5%)</b>	<b>C</b>
Environment Supports Variety	5.9/10	Gallons/SF	11.9
Visual Stimulation	5.6/10	<b>Energy Usage(10%)</b>	<b>D</b>
Future Readiness	4.3/10	<b>Total EUI</b>	<b>63.6kBTU/SF/yr</b>
<b>Building Allocation(25%)</b>	<b>F</b>	Electric	25.6kBTU/SF/yr
Gross SF/student	95	Gas	38.0kBTU/SF/yr
Site Acreage/Guideline	54%		
Mobiles in Use/Basement Used	No/No		

**AGGREGATED FACILITY GRADE C-**

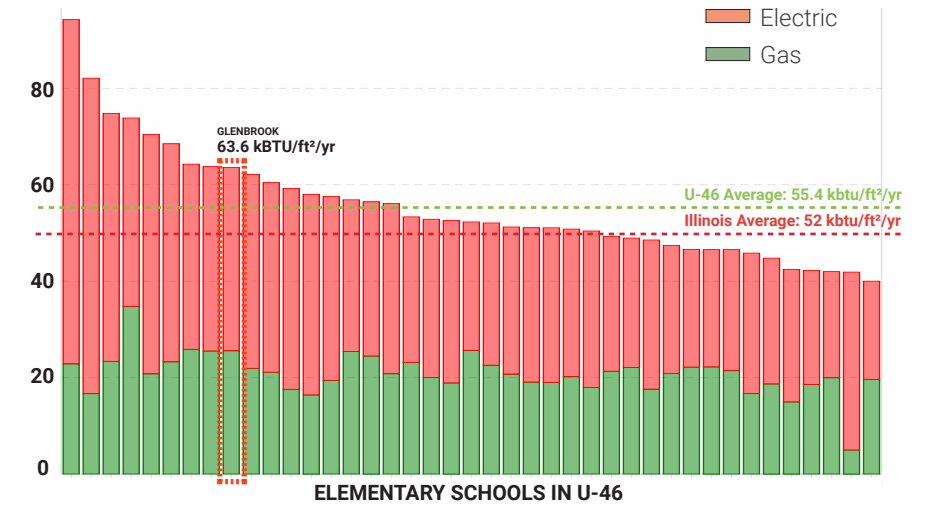
Educational Adequacy grades were determined by a survey issued to staff. Square Foot/Student grades were determined by building area and enrollment. Facility grades are determined building assessments. Water grades were determined by comparing utility data to the Commercial Buildings Energy Consumption Survey. Energy grades were determined by comparing utility data to the US Dept of Energy's Building Performance Database. Percent in parenthesis indicates weight of category in aggregate facility grade.

FACILITY BY BUILDING SYSTEM



This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) of items assessed by building system. Highlighted items indicate those items in immediate need, code requirement, poor and fair condition.

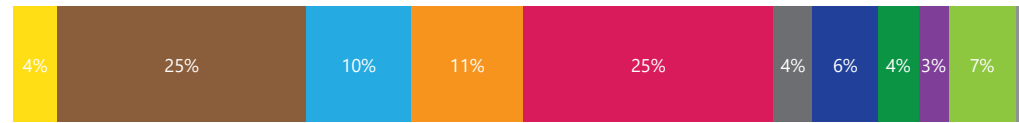
ENERGY USAGE (EUI)



Energy Use Intensity (EUI) is a key metric that expresses a building's energy use as a function of its size. Generally, a low EUI signifies good energy performance

ACTIVITY MAPPING

Observing representative classrooms within the school through a typical day allows the design team to quantify how learning spaces are used. Measurements are averaged from all classrooms visited.



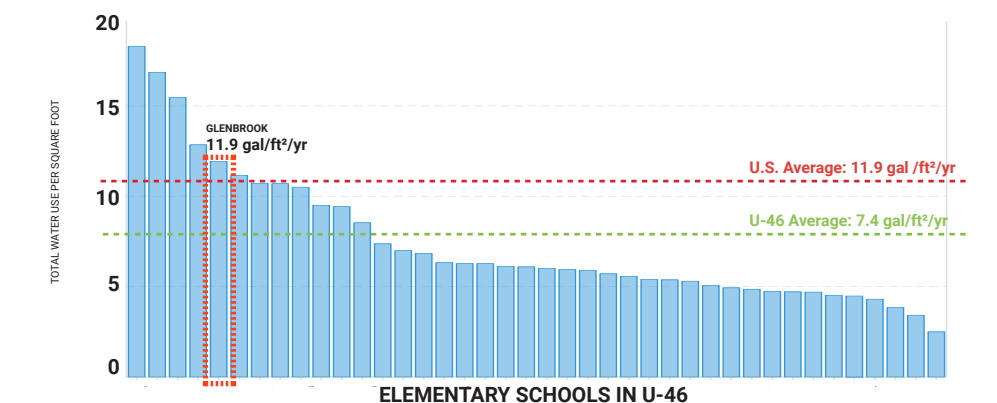
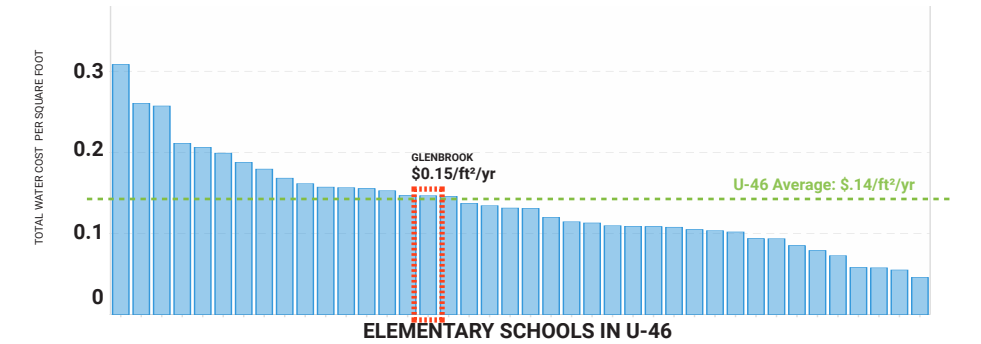
- Creative Brainstorming
- Direct Instruction
- Focused Study
- Group Discussion
- Hands-On Learning
- Housekeeping
- Physical Activities
- Practicing Autonomy
- Presenting or Performing
- Research & Reflection
- Transition

FACILITY BY CONDITION



This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items.

WATER USAGE + WATER COST



Water usage is a key metric that expresses a school's water use and total cost of water in comparison to the other elementary schools in the district.

LISTENING TOUR

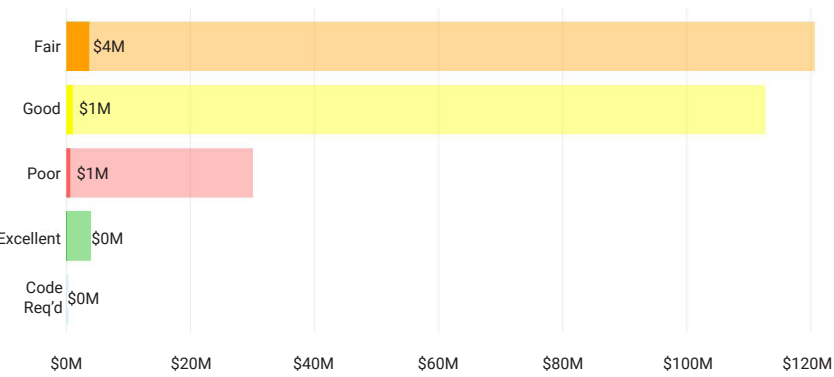
**What's a Listening Tour?**

Staff surveys (Listening Tours) were sent to each school where faculty gave input about the strengths and weaknesses of the building. The following five comments highlight common themes and concerns.

**Listening Tour Comments From Staff**

- The hallway between the gym, double bathrooms and multipurpose room is very valuable and highly used.
- A maker space area is greatly needed but finding the space for it is difficult.
- There is a desire to enclose more of the library so the space can be better used and safer in an emergency.
- The split of student restrooms on opposite sides of the building do not allow for adequate supervision.
- The lunchroom is small and has no storage. The flow is poor and students are colliding.
- Doors on all classrooms would improve the learning spaces. The fact that you have to walk through some classrooms to get to other learning spaces is disruptive.

FACILITY COMPARED TO COHORT



This chart indicates the approximate cost of deferred and anticipated maintenance (in dollars) based on condition of assessed items in relation to the entire cohort of buildings.

DATA COLLECTION

**How is this information collected?**

The goal of the DLR Group integrated design team is to **collect multiple qualitative and quantitative data points** around the same set of items – for example energy use, air quality, or learning behavior – **in order to form a holistic picture**. The team collects these data points through the use of sensors (in the space for 1-7 days), spot measurement equipment, expert walkthroughs, focus groups, surveys, and ethnographic observation techniques. The results are validated by cross-checking data points, such as a survey answer and a spot measurement, that should relate to one another.