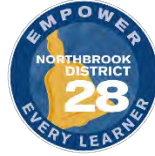


Groundwork for a Brighter Future



Northbrook School District 28

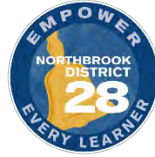
Master Facilities Plan



form follows learning

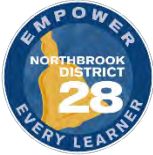
Agenda

- Introduction
- Facilities
- Process
- Summary
- Next Steps
- Questions and Answers



Introduction

- DLA Architects, Ltd
- 20/10 Engineering Group, LLC
 - Mechanical, Plumbing, Electrical
- Gewalt Hamilton Associates, Inc.
 - Civil
- Applied Population Laboratory
 - Demographics
- Tremco Roofing and Building Maintenance
 - Roofing
- Allegion, Paul Timm, PSP
 - Security



Facilities

Greenbriar Elementary School

1225 Greenbriar Lane
Northbrook, IL 60062

Originally built 1948
Total Square Feet 73,036 sq. ft.
Current Population 352



Westmoor Elementary School

2500 Cherry Lane
Northbrook, IL 60062

Originally built 1965
Total Square Feet 66,661 sq. ft.
Current Population 408



Meadowbrook Elementary School

1600 Walters Avenue
Northbrook, IL 60062

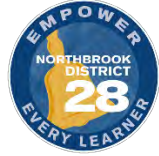
Originally built 1954
Total Square Feet 63,203 sq. ft.
Current Population 453



Northbrook Junior High School

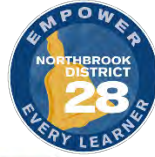
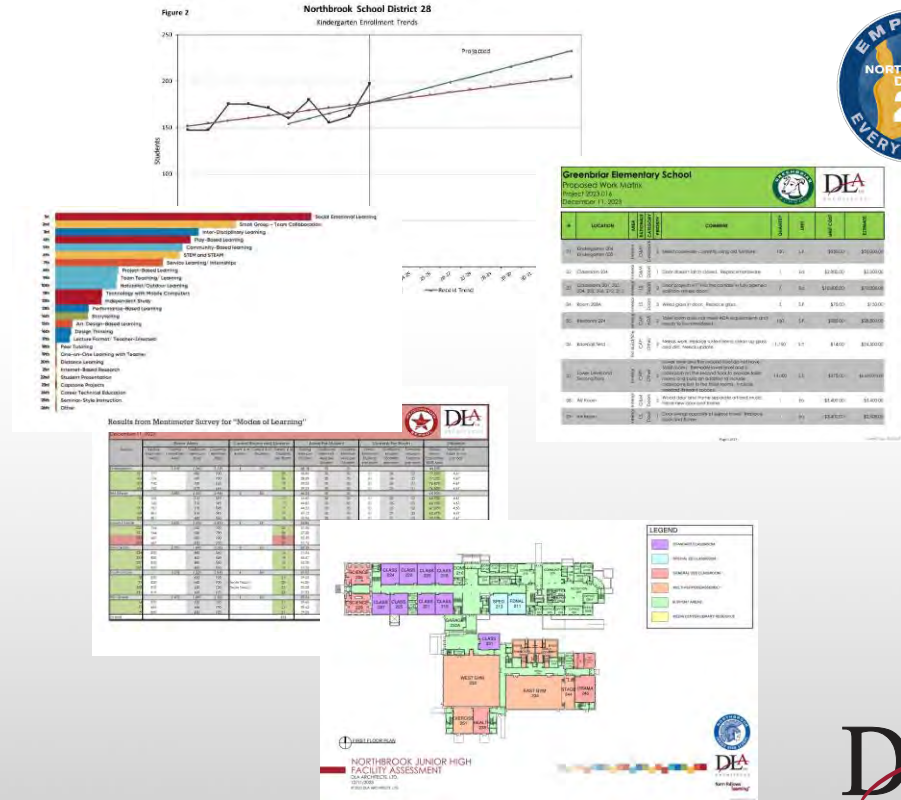
1225 Greenbriar Lane
Northbrook, IL 60062

Originally built 1959
Total Square Feet 135,093 sq. ft.
Current Population 644



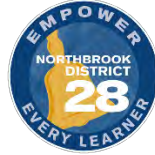
Process

- Facility Assessment
- School Floor Plans
- Utilization and Capacity Study
- Curriculum Study
- Security Study
- Demographics Report

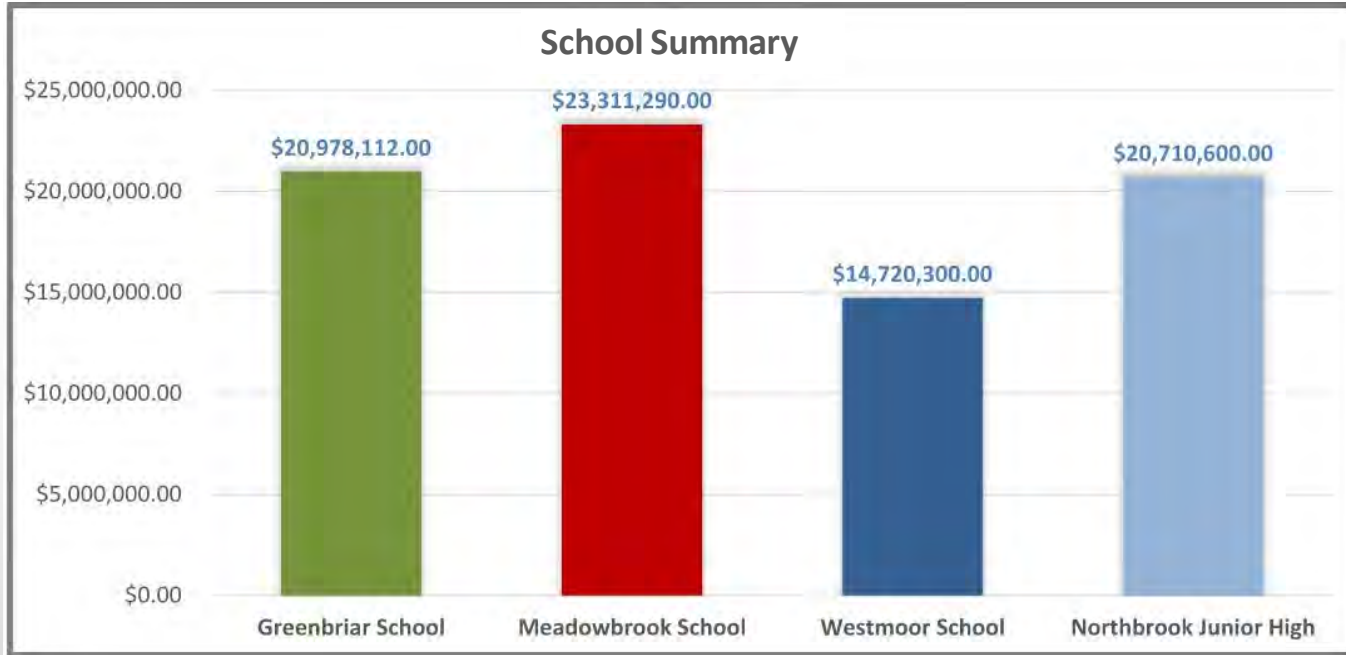
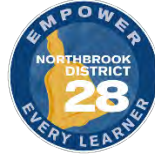


Assessment Summary

Facilities Assessment Report Cost Summary Total: \$79,720,302



Assessment Summary

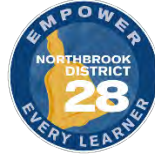


Master Facilities Plan

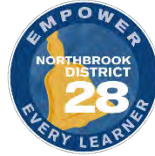


form follows learning

Assessment Summary



Assessment Summary - Larger Costs Items



- **Greenbriar**

- Corridors
- Toilet rooms
- Casework

- **Meadowbrook**

- Cafeteria/Gymnasium
- Main Office
- Playground Equipment

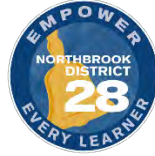
- **Westmoor**

- Toilet Rooms
- Specialty Classrooms
- Mechanical Systems

- **Northbrook Junior High**

- Main Office
- Cafeteria and Kitchen
- Drop-off and pick-up

Capacity Summary



	Existing Population	Current Functional Capacity	Current Practical Capacity	Remaining Capacity
Greenbriar Elementary School	315	408	535	93
Meadowbrook Elementary School	453	515	626	62
Westmoor Elementary School	377	387	632	10
Northbrook Junior High School	638	682	731	44
Total	1,783	1,992	2,524	209

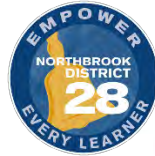
Curriculum Study – Parent/Staff

Mode of Learning for Future Ready Learners

- Social Emotional Learning
- Small Group – Team Collaboration
- Play-Based Learning
- Project Based Learning



ADAPTABLE AND FLEXIBLE:
Agile Classrooms / Flexible Furniture

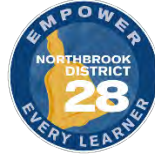


Design Patterns of Future Ready Learning Environments

Topic	❤️	👍	👎	Score
Community Connected: Outdoor Play	12	1	0	63
Learning-Focused: Blended Learning	10	3	0	59
Learning-Focused: Studios and Specialty Labs/Art	10	3	0	59
Brain-Based: Shared Learning Resources	10	3	0	59
Personalized: Lifelong Fitness	11	1	0	58
Personalized: Welcoming Entry	9	4	0	57
Personalized: Greeting and Gatekeeping	9	4	0	57
Learning-Focused: Varied Spaces/Extended Learning Spaces	10	2	1	57
Learning-Focused: Music and Performance	9	4	0	57
Spatial Quality: Biophilia	10	2	0	56
High Performance: Sustainable Elements/Living Buildings	10	2	0	56
High Performance: Healthy Materials	10	2	0	56



Curriculum Study – Students



Least Favorite Space in School

- “Hallways, they are boring.”
- “Some rooms have a lot of stuff but not enough space.”
- “Reading rooms are distracting and too small.”
- “Bathrooms are gross.”



Curriculum Study – Students

Favorite Space to Learn

- Space with windows to see outside
- Comfy areas
- Bedroom
- More homelike environments
- Outside



- Giant windows
- Like an outside space but with thermal comfort
- By yourself but still connected

Curriculum Study – Students

I wish My School...

- Bright colors and high spaces
- Places to read
- Small space with cushions and safe space.
- Had more homelike environments



- Reading nook
- Like the curves
- Looks comfy with back support
- Modern feel with shapes
- Can lay down and relax
- Quiet, personal space
- Padded with room to move around

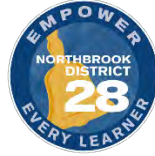


- Library
- Big open windows
- Cozy
- Cool Seating
- Comfy
- Calm



- Calming place
- Mix
- Area to work without getting distracted
- Egg shape
- Personal space
- Add windows as a bubble to look outside

Security Survey

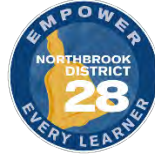


Recommendations

- **Maintain and upkeep of existing security**
- Maintain Landscaping around buildings
- **Move away from walkie-talkies and use two-way radios as sole communication device.**
- Improve outdoor lighting
- Monitor door use and functionality. Eliminate manual hold-open devices.
- Periodic training on emergency call procedures.
- **Verify and possibly upgrade PA systems.**
- Add vehicle Barriers



Demographics Study – Before Development

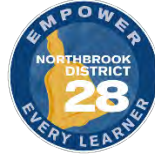


Enrollment Last 5 Years

- There has been a 0.6% increase in enrollment.
- Elementary School declined 1.1%
- Middle School increased by 1.4%

GRADE	AVERAGE ANNUAL PERCENT CHANGE		
	'13 to '22	'13 to '17	'18 to '22
Pre-K	21.1	3.3	52.7
K	3.8	4.1	5.8
1	0.8	6.5	-1.5
2	-0.1	3.9	-3.9
3	1.7	0.6	-1.3
4	-1.4	1.0	-2.4
5	0.2	-1.9	-1.8
6	1.5	0.4	2.9
7	0.8	0.2	2.7
8	0.1	2.4	-1.1
TOTAL	1.1	1.8	0.6
K-5	0.7	2.1	-1.1
6-8	0.8	1.0	1.4

Demographics Study – Before Development

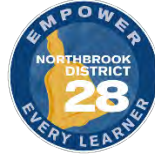


Enrollment Projections – 5 Years

- **PreK-8 enrollment 3.2% average increase.**
 - **K-5** will likely increase by **8.5%**.
 - **6-8** will most likely decrease by almost **5%**.

GRADE	23-24	24-25	25-26	26-27	27-28
Pre-K	84	78	80	83	83
K	180	182	172	178	182
1	212	194	196	186	192
2	180	220	201	203	192
3	178	184	226	206	208
4	207	182	188	230	210
5	177	211	185	192	235
6	210	180	214	188	195
7	219	213	183	218	191
8	217	215	210	180	214
TOTAL	1,863	1,859	1,855	1,863	1,902
PreK-5	1,218	1,250	1,249	1,277	1,302
K-5	1,134	1,173	1,168	1,194	1,219
6-8	645	608	606	585	600
Yr to Yr Change	21	-5	-4	8	39

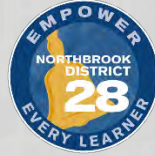
Demographics Study – After Development



New Housing Development Impact

- PreK-8 enrollment next 5 years.
 - PreK-5 increase on average will be **44 students**.
 - 6-8 increase on average will be **22 students**.





Questions and Answers

We thank you for your time!