



Educational Pathways Update Winter 2024

Mitchell Briesemeister - Director of Educational Pathways

Doreen Roberts - Coordinator of Career and Technical Education



Purpose:

Provide an update on Educational Pathways and Magnet Academies aligned to the District vision.



Agenda:

- ❏ **Goal Alignment**
- ❏ **Facilities Update to support Educational Pathways**
- ❏ **Educational Pathways Primary Actions**
- ❏ **Magnet Academy Primary Actions**
- ❏ **Questions**



Goal Alignment

District Goal:

School District U-46 will update and enhance the wide range of college and Career and Technical Education (CTE) pathways, and Magnet School programs.

District Goal: Facilities Plan



Educational Pathways Facilities Update

Primary Action #4

**Determine efficient distribution of programs at schools
to ensure reasonable class sizes**

District Goal: Facilities Plan



Streamwood High School Educational Pathways Phase 2 Update

Streamwood High School

Educational Pathways Phase 2 Update



Learning Spaces Planned for Phase 2 (Summer 2024)

Learning Space	Updates from Original Scope
Culinary Arts/Hospitality Lab	<p>Eliminate commercial kitchen. Increase footprint of Introductory Culinary Arts Labs</p> <p>Capstone Hospitality Students will attend Larkin Culinary Arts/Hospitality Program</p>
Engineering Lab	<p>Increase the size of the engineering room to maximize instructional capacity and academic teaming</p>
Streamwood Center for Green Transportation Studies	<p>Update and expand the Automotive Technology Program</p> <p>This space will annex the current Precision Manufacturing Lab</p>

District Goal: Facilities Plan



Bartlett High School Educational Pathways Renovation Planning Update

Educational Pathways Five-Year Plan: Tentative 2025



Bartlett High School Programs	Potential Facility Updates
Academy: Science Engineering and High Technology Academy (STEM)	Renovation
Automotive Technology/Green Transportation	Renovation
Business and Computer Science	No facilities changes, technology upgrades only
Culinary Arts: Introduction through Advanced	Light Renovation
Early Childhood Education	Potential updates to lab equipment
Healthcare Science and CNA	Exploring renovation options
Science Labs	Exploring renovation options

Program Reduction:

Capstone Culinary Arts/Restaurant Management - Bartlett High School students will access this program at an alternative hub.



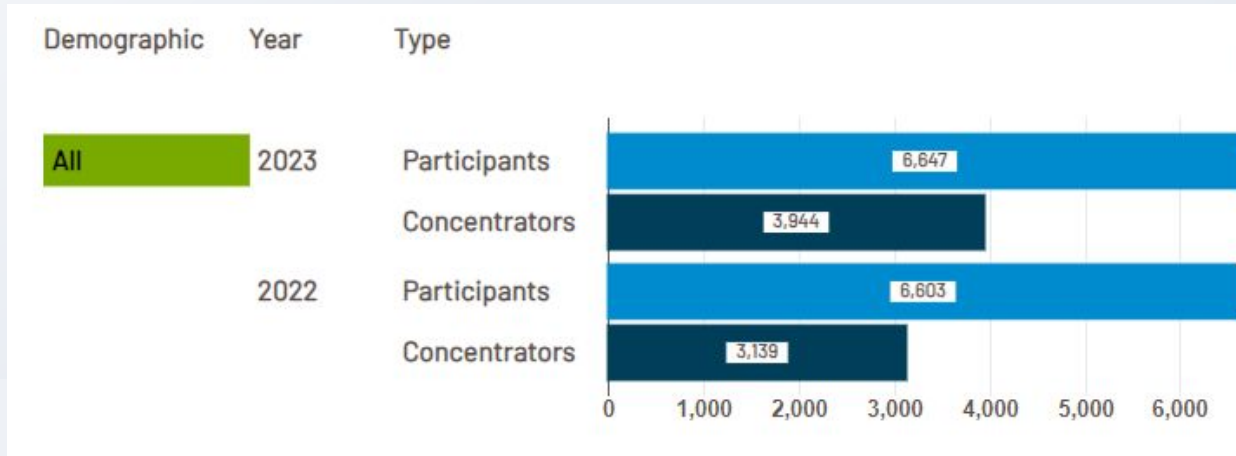
Educational Pathways

Primary Actions

Primary Action #1: Improve Site Specific Engagement in Outreach/Communication to Students and Families to Encourage Participation in Pathways/Programs.

Participant- Student who has taken one CTE course.

Concentrator- Student who has taken at least two CTE courses in a pathway.



Primary Action #2: Increase Collaboration with Local Business/Industry

Industry Tours and Events this Fall

Zurich Insurance
Flender Corporation, Introduce a Girl to Engineering
Engine Teardown Team Competition
Matrix Automation
Harding
Omron
Brooks Graphics

Teacher Pipeline:

Northern Illinois University
Illinois State University



Primary Action #3: Analyze, Update, and Improve CTE-based Curricula: Post-Secondary Credit

Dual Credit Implementation:

2022-2023 Certified Nursing Assistant

2023-2024 Precision Manufacturing, Automotive Technology, Welding

Data - Percentage of CTE Concentrators Graduating with Post-Secondary Credits (DC, IB, AP).

	2020	2021	2022	2023
Post-Secondary Credit	0.51	0.71	0.70	47.3

Primary Action #5: Enhance Professional Learning with a Targeted Audience of CTE Teachers

- ❑ Diesel Professional Development with Altorfer Caterpillar for Automotive Technology Teachers



Primary Action #6: Provide additional pathway tours for our middle and high school counselors to expand their knowledge.

- ❑ **Precision Manufacturing**
 - ❑ Kenyon Woods Counselors
- ❑ **Nicor Gas 1/26/24:**
 - ❑ High School Counselors
- ❑ **Spring Magnet Academy Visit:** Middle School Counselors



“The Precision Manufacturing program at South Elgin High School is impressive. The scale and size of the lab, the direct from the line equipment, and the enthusiasm from both students and teacher (Mr. Erbach) provided an impeccable environment for students to train and learn hands-on skills in manufacturing and technology.” Sean Hardiman, KWMS



Magnet Academies Primary Actions

Magnet Academy Admission Data

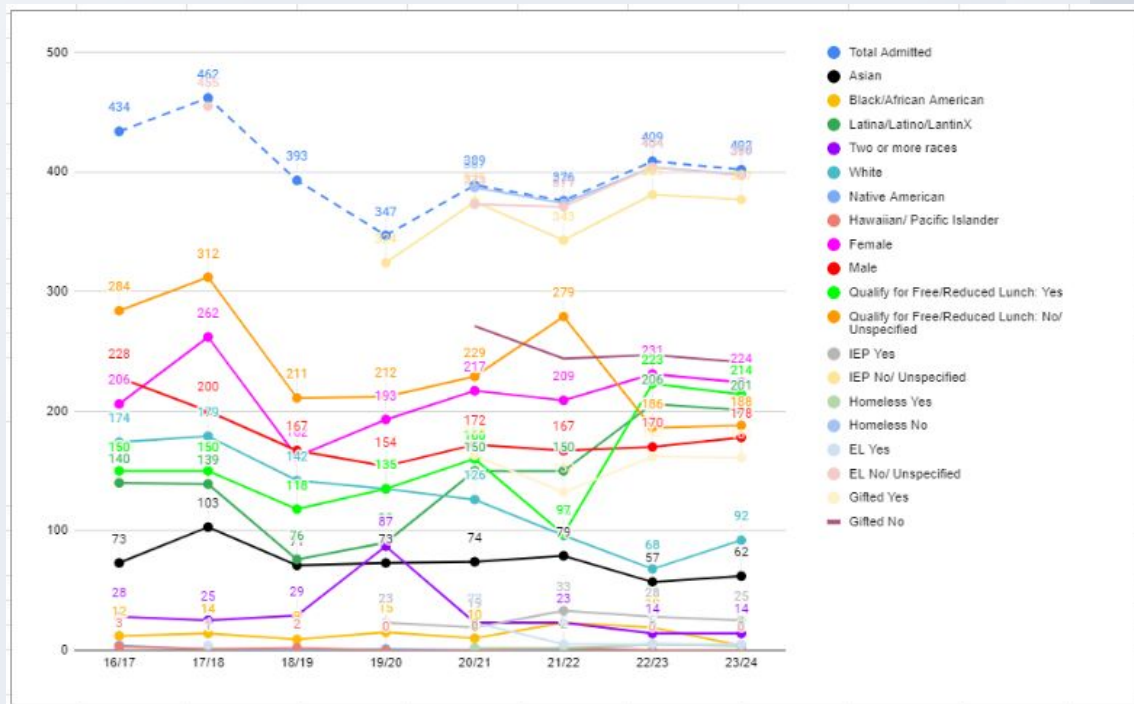
Primary Action #1: Improve Site-Specific Engagement in Outreach/Communication to Students and Families to Encourage Participation in Pathways/Programs.

Data Overview

- ❑ Data spans from 2016-2023
- ❑ Applications (1st Choice)
- ❑ Acceptances
- ❑ Demographics

Data in Progress

- ❑ Attrition and outcomes



[Memo Link](#)

Magnet Academy Admission Data

Data Takeaways

- ❑ The total applicant pool ebbed and flowed with a low of 462 applicants in the 2017-2018 school year and a high of 704 in 2016-2017.
- ❑ Of the many student demographics, students with an IEP had the largest increase of submitted applications from 13 students in 2017-2018 to 137 for the 2023-2024 school year.
- ❑ The past two years, we allowed for student families to identify their child as non-binary. Of the 11 applicants who identified as non-binary this school year, 100% were admitted to a Magnet Academy.
- ❑ For the 2023-2024 school year, of the 294 students whose families qualified for free and reduced meals and applied, 214 (73%) were accepted into a Magnet Academy in comparison to 150 (50%) of 303 applicants admitted during the 2016-2017 school year.

NEXT STEPS

District Goal:

School District U-46 will update and enhance the wide range of college and Career and Technical Education (CTE) pathways, and Magnet School programs.



Primary Action #1: **Improve Site-Specific Engagement in Outreach/Communication to Students and Families to Encourage Participation in Pathways/Programs.**

- ☐ Partnering with the Assessments, Accountability, and Student Success Office on a data visualization tool
- ☐ Developing data collection processes in Schoolinks

NEXT STEPS Continued



District Goal:

School District U-46 will update and enhance the wide range of college and Career and Technical Education (CTE) pathways, and Magnet School programs.

Primary Action #3: Analyze, Update, and Improve CTE-based Curricula

- ❑ Continue curriculum development for middle school in alignment to high school pathways and academies

Primary Action #4 Determine efficient distribution of programs at schools to ensure reasonable class sizes

- ❑ Continue Bartlett High School facility planning



Questions?