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# Aurora STEAM Academy 2023 Annual Report

# Executive Summary



Following a highly-successful 2021 & 2022 STEAM program, City of Aurora, TinkRworks, and APS Training Academy (APS) joined forces again in 2023 to provide hands-on STEAM programming for underserved K - 8th grade children within the City. The program, known as the Aurora STEAM Academy, had an overall goal to spark an interest in children to explore STEAM opportunities in the future and also instill within them the confidence to pursue STEAM-related opportunities they might not otherwise choose to do.

- Two STEAM projects in 2021 and nine STEAM projects in 2022 were chosen for delivery to participants. Twelve STEAM projects were offered in 2023. All of these projects immersed children in project-based learning (PBL) environments and provided them a holistic STEAM experience, weaving together elements of design, building, electronics integration, and computer programming.
- These projects were delivered using STEAM projects and curriculum from TinkRworks, facilitation and implementation from APS, and access to students, infrastructure, and funding from City of Aurora.

In total, 2,923 students participated in APS programming and 2,000 of those were Aurora STEAM Academy students.

- **High levels of diversity were exhibited within the participant base:** Of the total participants, 65% were either Hispanic/Latinx or Black/African American
- **50% of participants were male; 50% were female or non-binary;** 28% of participants self-identified as females who were either Hispanic/Latinx or Black/African American—a historically critically-important segment that remains highly underserved for STEAM exposure
- **79% of participant households fell within the 0 – 80 AMI segment.**

Outcomes presented as part of this document include:

- **Diverse population targets achieved:** Overall targets for ethnic and gender diversity were achieved as well as AMI targets.
- **Underserved/underrepresented targets achieved:** Overall targets for giving access to marginalised groups were achieved.
- **Participants overwhelmingly expressed an interest in taking additional STEAM Academy programming opportunities.**



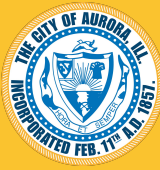


# Agenda

- Program Highlights**
- Demographic Highlights**
- APS Commitment to Aurora**
- Growing Together**



# Program Highlights



CFFRV Grant



UYM



Axel



Mr. Fix It



Community Events



# Program Highlights



**2000**  
**Learners**  
*Served in 2023*

# Program Highlights



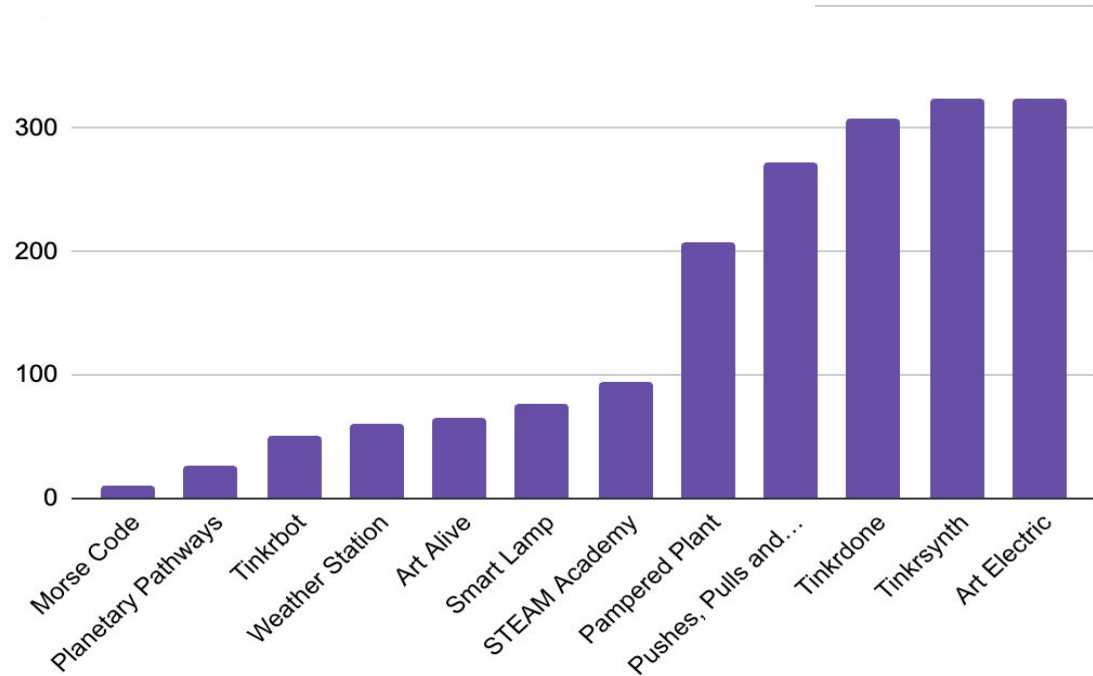
**12 Courses**  
*Offered in 2023*



# Program Highlights



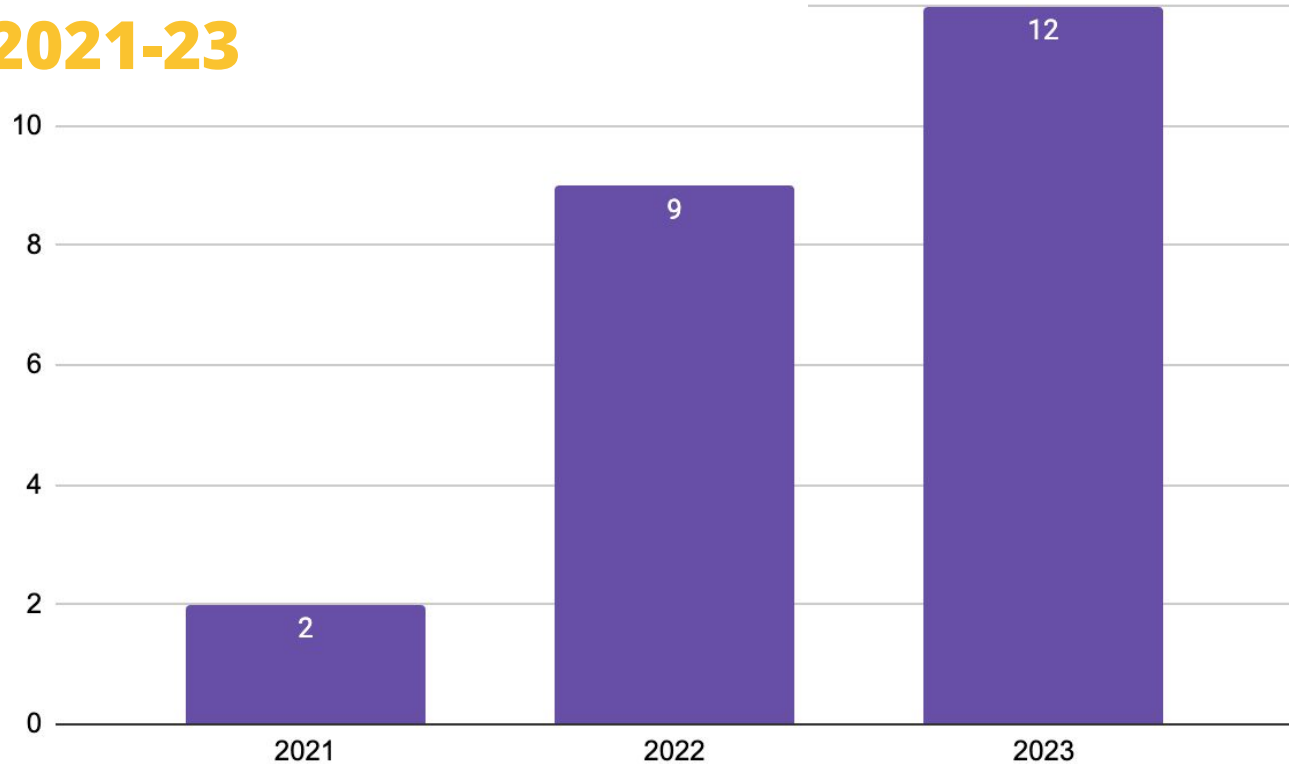
## Courses Offered 2023



# Program Highlights



## Courses Offered 2021-23



# Program Highlights

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**23 Area Schools**  
*Visited in 2023*





# Program Highlights



**12 Community  
Partners/  
Locations  
Visited in 2023**

# Program Highlights



## Community Partners

- Main Baptist
- Sacred Heart
- Urban Youth Ministries
- NAACP
- Alive Teen Center
- Fox Valley Park District
- Cities in Schools
- Girls and Boys Club
- Aurora Youth Services
- Universal Technical Institute
- IMSA
- Boys and Girls Club



# Agenda

Program Highlights

**Demographic Highlights**

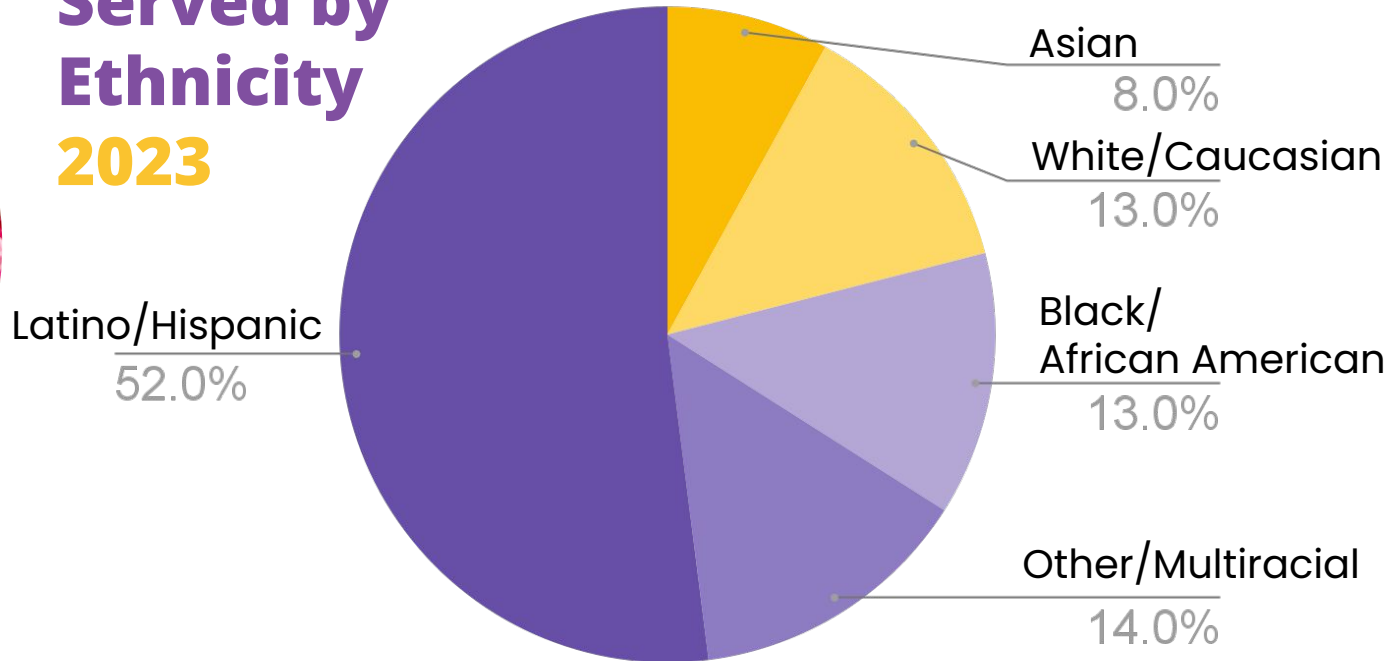
APS Commitment to Aurora

Growing Together

# Demographic Highlights



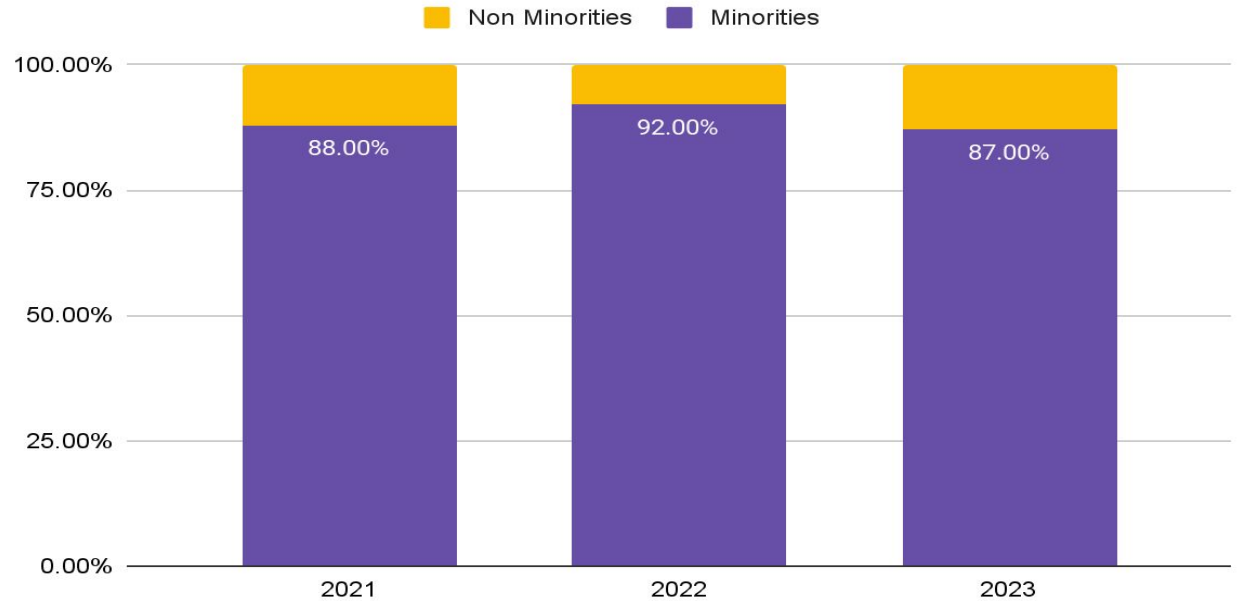
## Students Served by Ethnicity 2023



# Demographic Highlights



## Minorities Served 2021-23

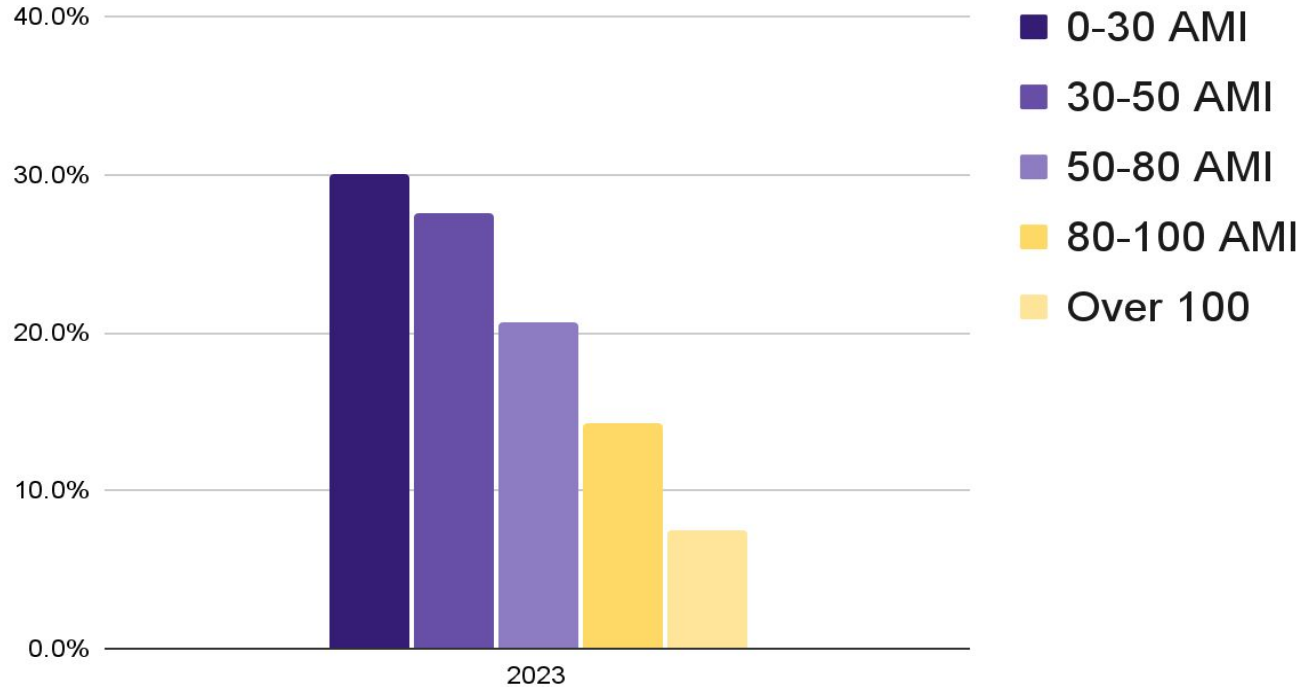




# Demographic Highlights



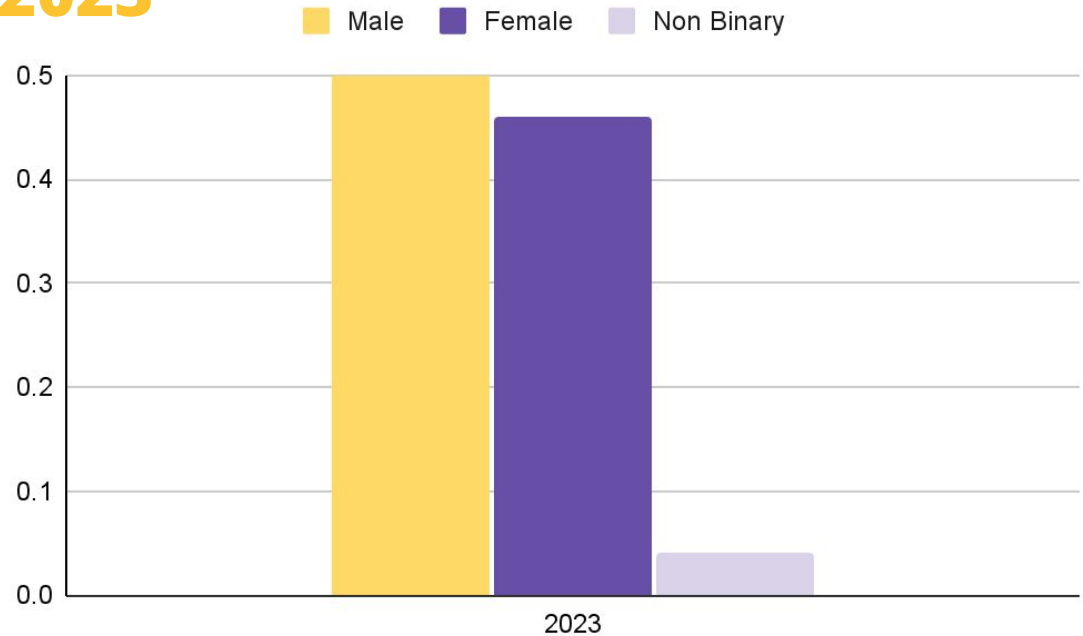
## Families Served by AMI% 2023



# Demographic Highlights



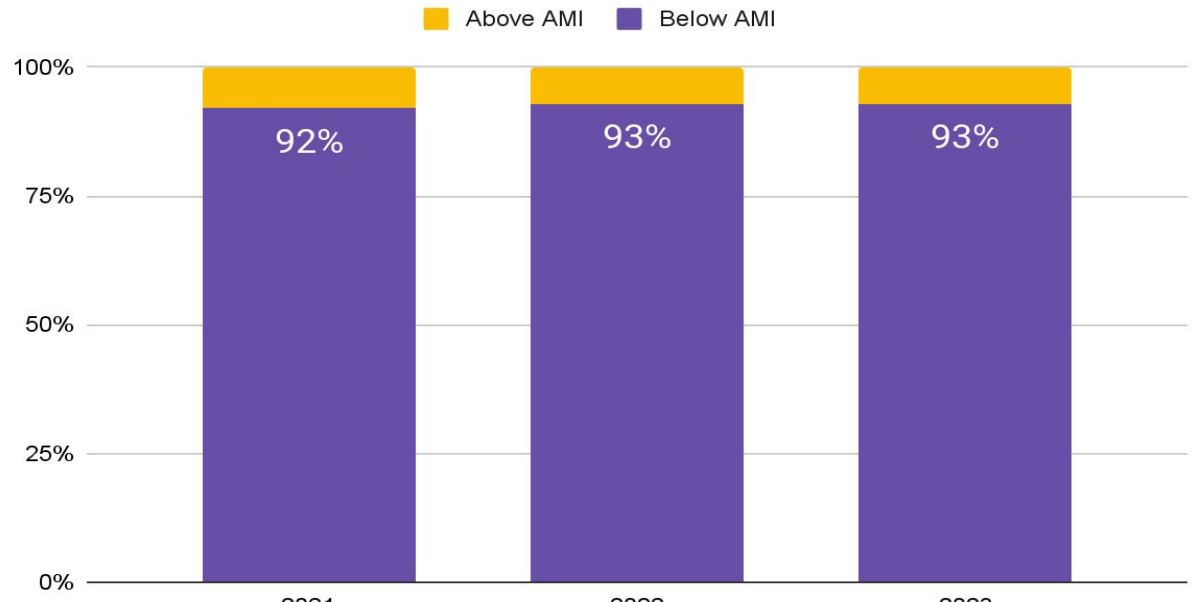
## Student's Served by Gender 2023



# Demographic Highlights



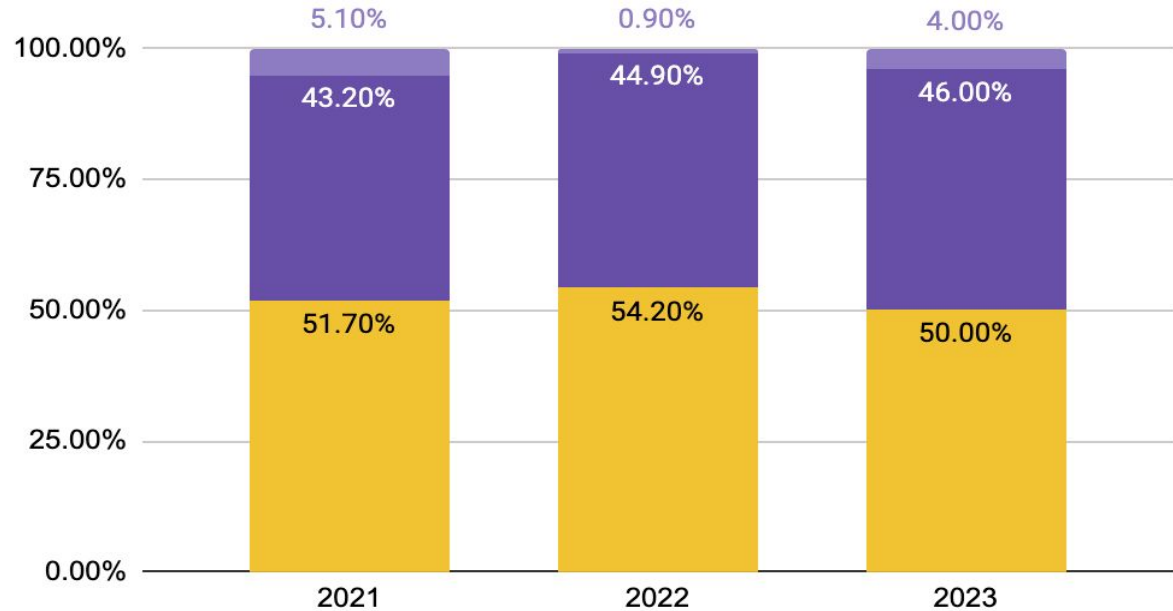
## Families below Area Median Income Served in 2021-23



# Demographic Highlights



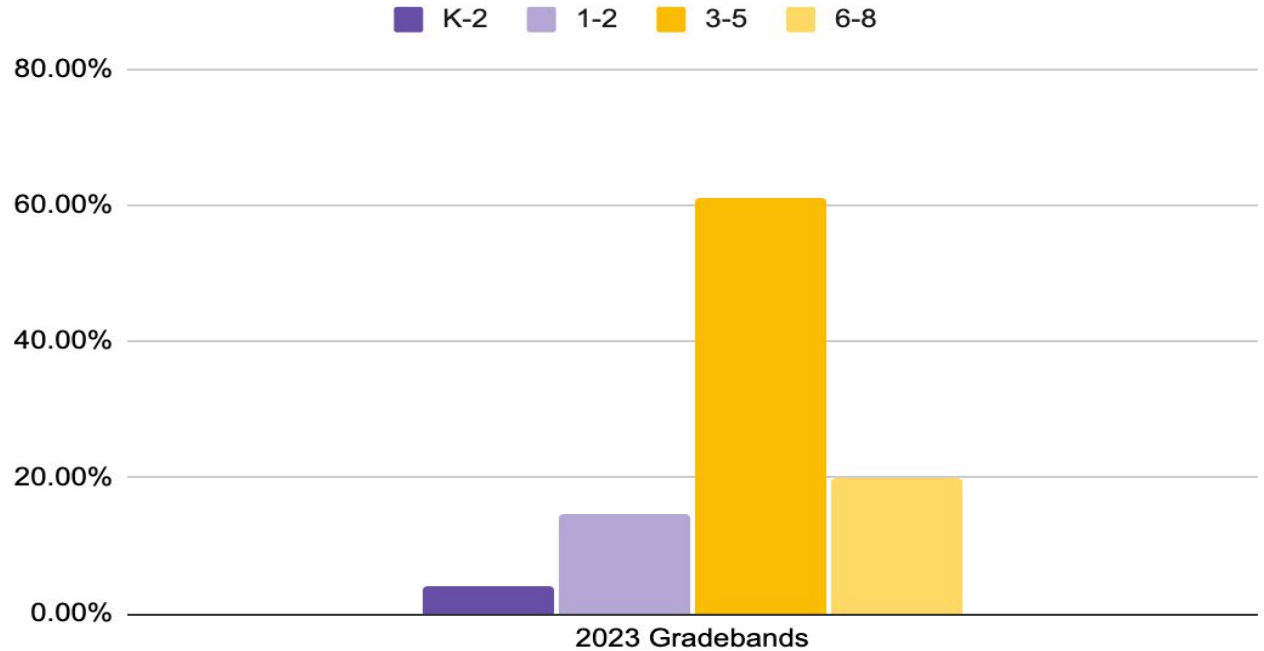
## Student's Served by Gender 2021-23



# Demographic Highlights



## Student's Served by Grade Band 2023

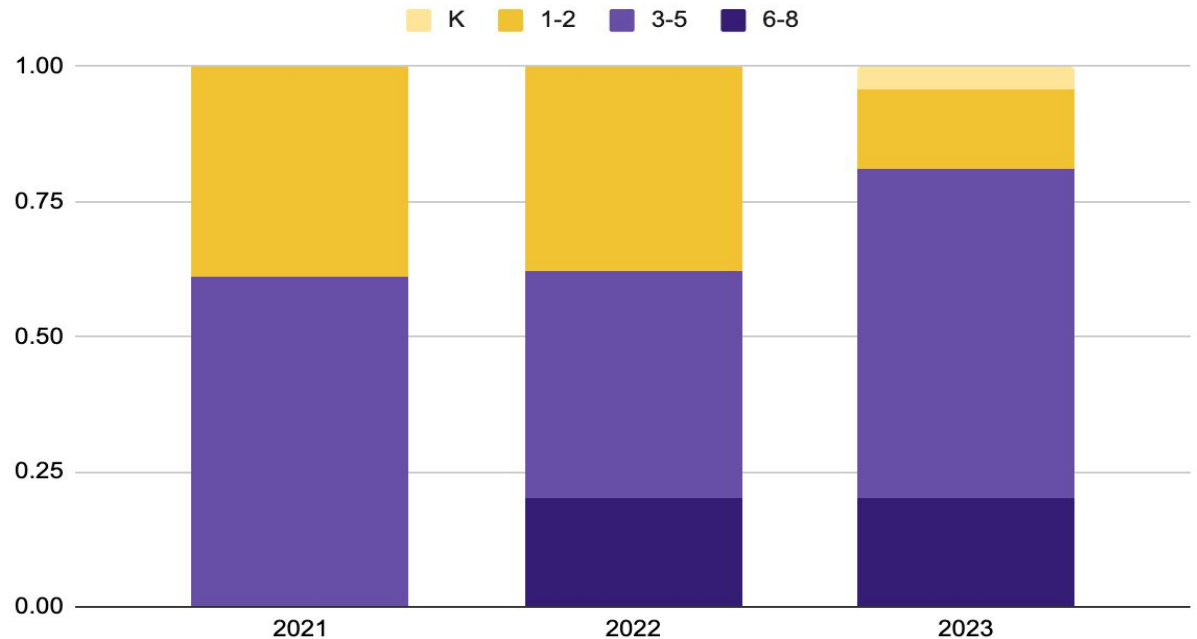




# Demographic Highlights



## Student's Served by Grade Band 2021-23





# Agenda

- Program Highlights
- Demographic Highlights
- APS Commitment to Aurora**
- Growing Together**



# APS Commitment to Aurora

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# 6632

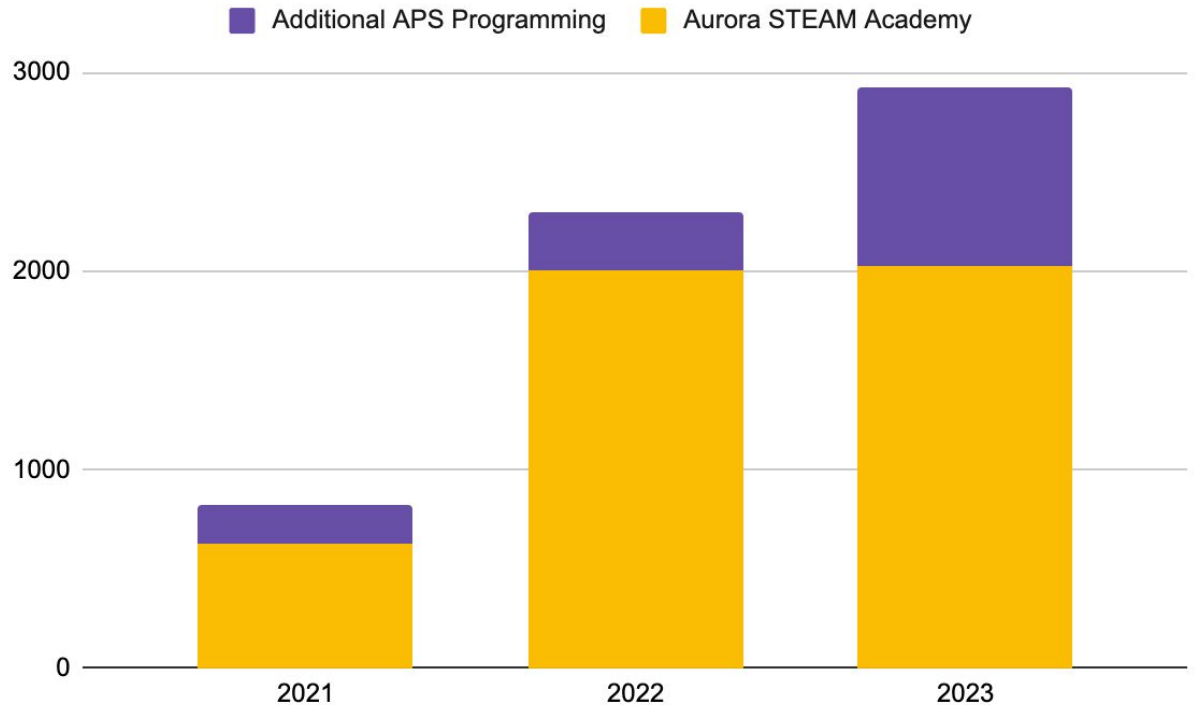
## Learners

*Served since Nov 2020*

# APS Commitment to Aurora



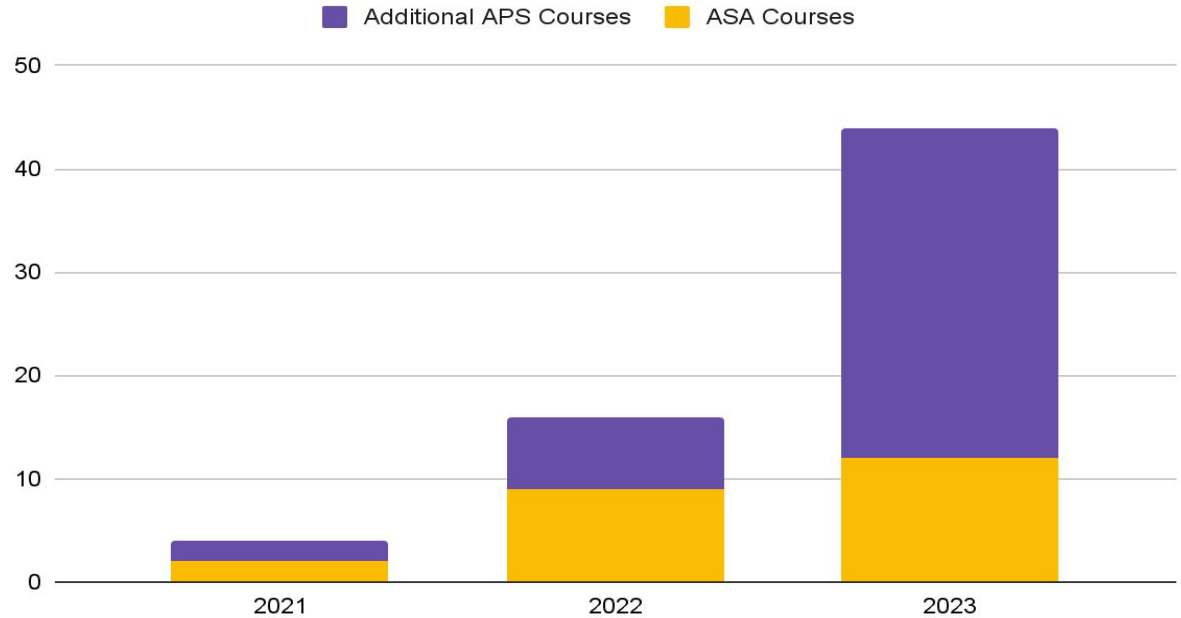
## Students Served 2021-23



# APS Commitment to Aurora



## Course Offerings 2021-23





# APS Commitment to Aurora



**Industrial Robotics**



**CAD & 3D Printing**



**Girls Who Code**



**Robotics Teams**



**Engineering Kits**

# APS Commitment to Aurora

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**Together we will continue to empower vulnerable communities through FREE STEAM education.**

**Thank you for trusting APS to be Aurora STEAM Academy's home.**



# Agenda

Program Highlights

Demographic Highlights

APS Commitment to Aurora

**Growing Together**

# Growing Together

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# 5 NEW Summer Camp Options

**2024**



# Growing Together



# 1300+

# Learners Expected

*Summer 2024*



# Growing Together



# 54 NEW Course Options 2024

# Growing Together



## Growing Partnerships with Schools and Community Entities 2024

# Growing Together

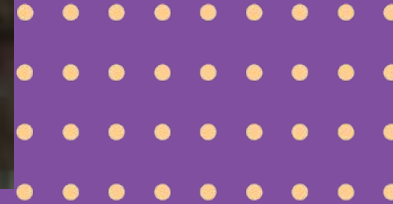


# 10,000

## Learners by end of 2025

# Growing Together

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