

Talent Pipeline Report

Atlanta Metro Chamber
Middle Schools
March 2023



Table of Contents

- 03** Demographics
- 04** Overall Cluster Alignment
- 05** Advanced Manufacturing
- 06** Architecture & Construction
- 07** Computers & Technology
- 08** Distribution & Logistics
- 09** Engineering
- 10** Finance
- 11** Health Science

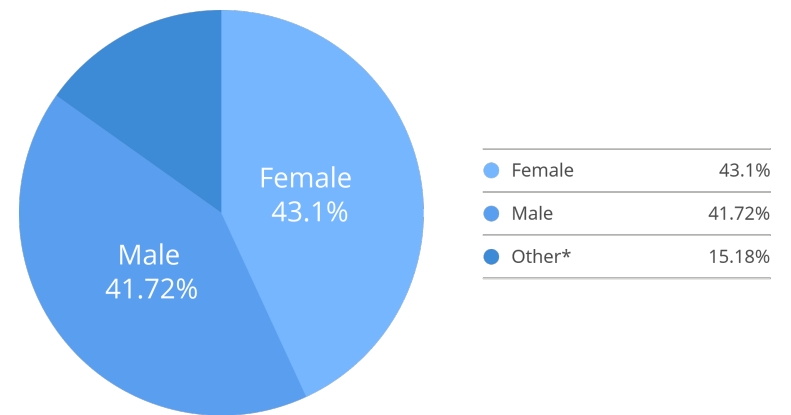
Demographics

In academic years 2021-22 and 2022-23, YouScience has helped more than 25,000 Georgia middle school students across these eight districts explore in-demand careers for which they are uniquely fit to succeed. What a great opportunity to guide these students toward CTE, dual-degree, and postsecondary studies that align their natural talent with the needs of our economy!

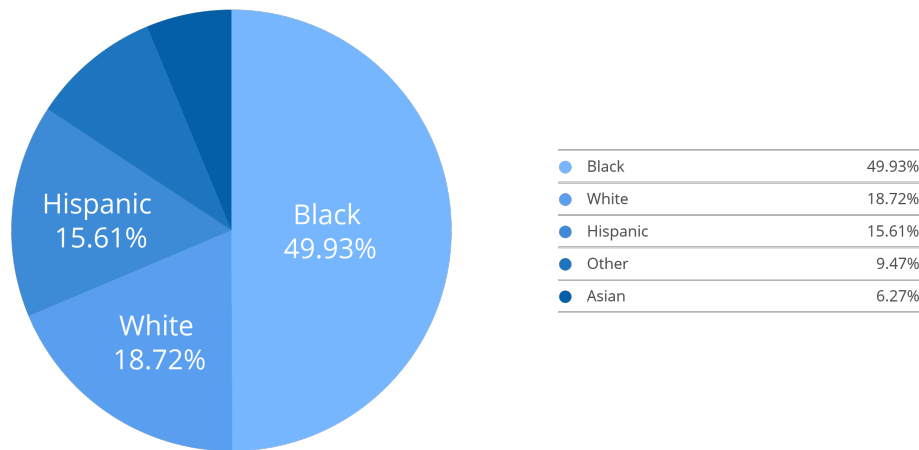
Completed Users by District

District	Completed Users
Fulton County	11,687
Atlanta Public Schools	6,869
Clayton County	4,536
Marietta City	1,937
City Schools of Decatur	426
DeKalb County	224
Cobb County	1

Gender



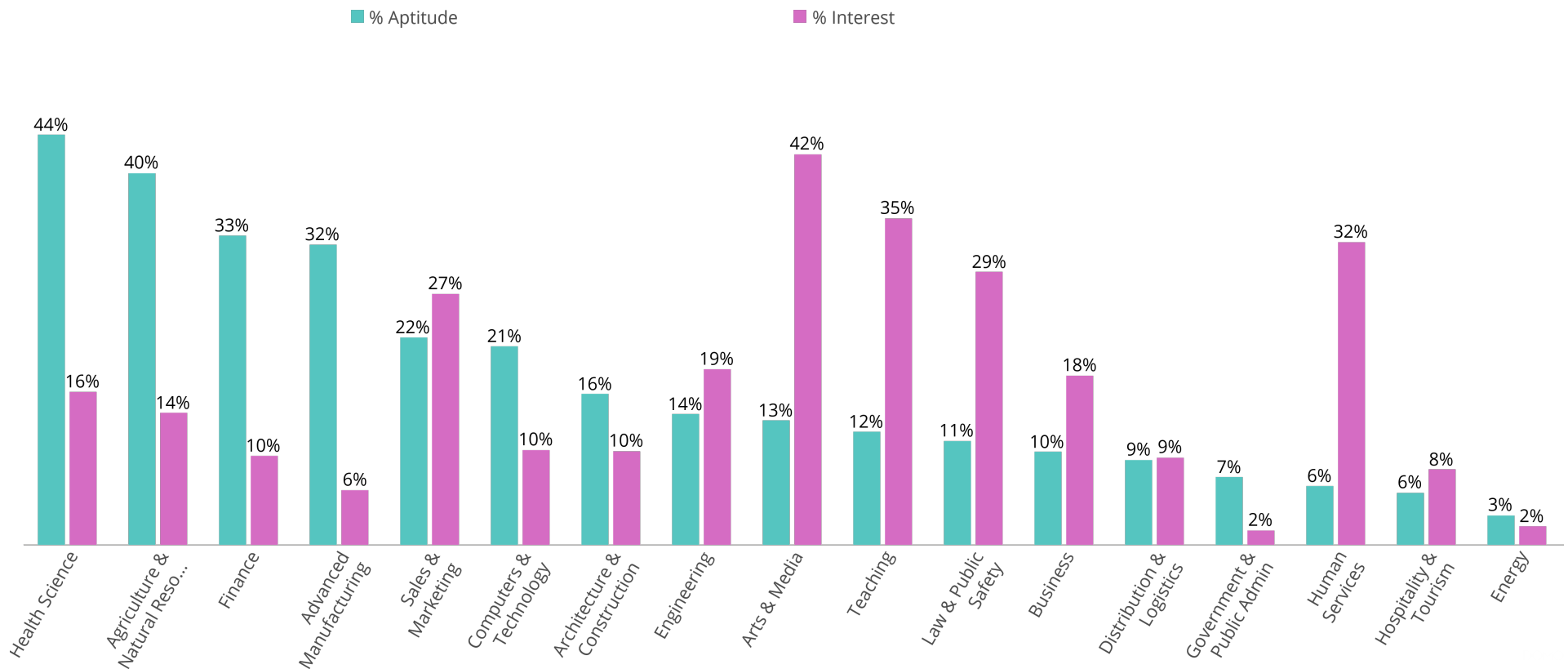
Ethnicity



*Other includes students who responded "non-binary" and "prefer not to respond"

Top 3 Career Cluster Matches

Georgia students have some serious talent for in-demand careers! We analyzed the results of the 25,680 students who have completed Snapshot in the 2021-22 and 2022-23 academic years. **This graph represents the percentage of students with each cluster in their Top 3 Career Cluster recommendations.** You will notice that in many industries, there is a misalignment between students' interests and their aptitudes. This misalignment simply represents an exposure gap where the students have limited exposure to careers and have yet to really become aware of their individual talents that will give them a competitive advantage in their careers.



Advanced Manufacturing

CAREERS INCLUDE: Manufacturing Engineering Technologist, Electrical Drafter, Industrial Engineer Technologist, Robotics Technician, Electromechanical Engineer, Electrical Engineering Technician, Aerospace Engineering and Operations Technician, Purchasing Agent, Nuclear Power Reactor Operator, Welder, Tool and Die Maker, Machinist, Machine Tool Programmer

5x more students are aligned with careers in Advanced Manufacturing based on their aptitudes than interest alone, including **10x more female students** and **5x more black students**.

All Students

■ % Interest

■ % Aptitude



Architecture & Construction

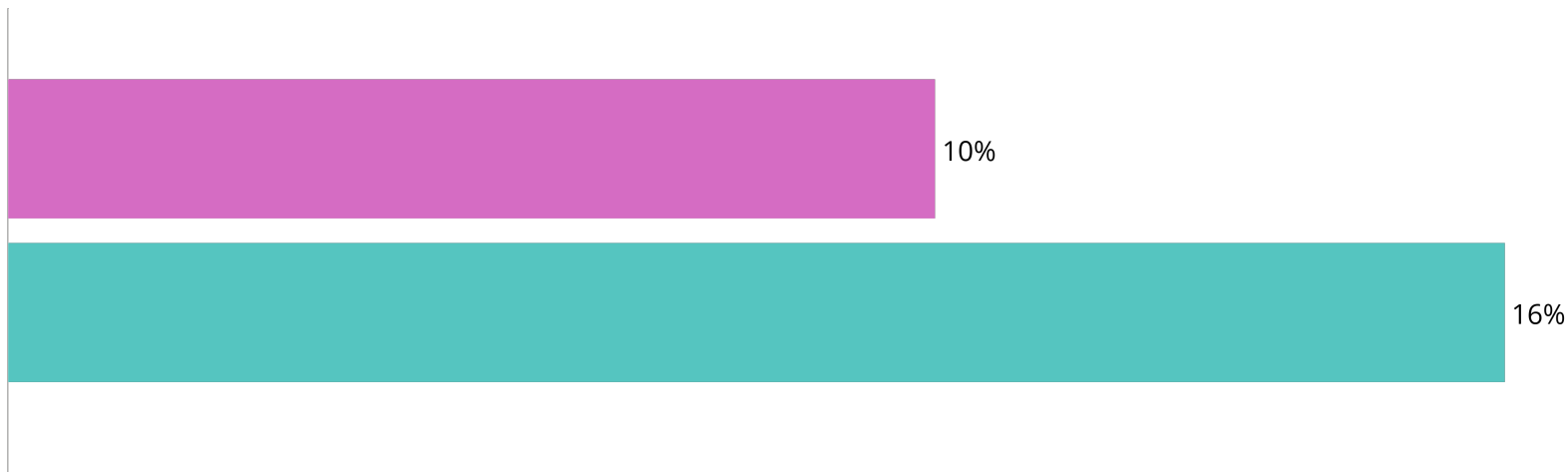
CAREERS INCLUDE: Construction Manager, Cost Estimator, Architectural Drafter, Surveyor, Architect, Landscape Architect, Civil Drafter, Construction & Building Inspector, Architectural & Engineering Manager, Civil Engineer, Civil Engineering Technician, Brickmason, Electrician, Insulation Worker, Operating Engineer & Other Construction

2x more female students are aligned with careers in Architecture & Construction based on their aptitudes than interests alone.

All Students

■ % Interest

■ % Aptitude



Computers & Technology

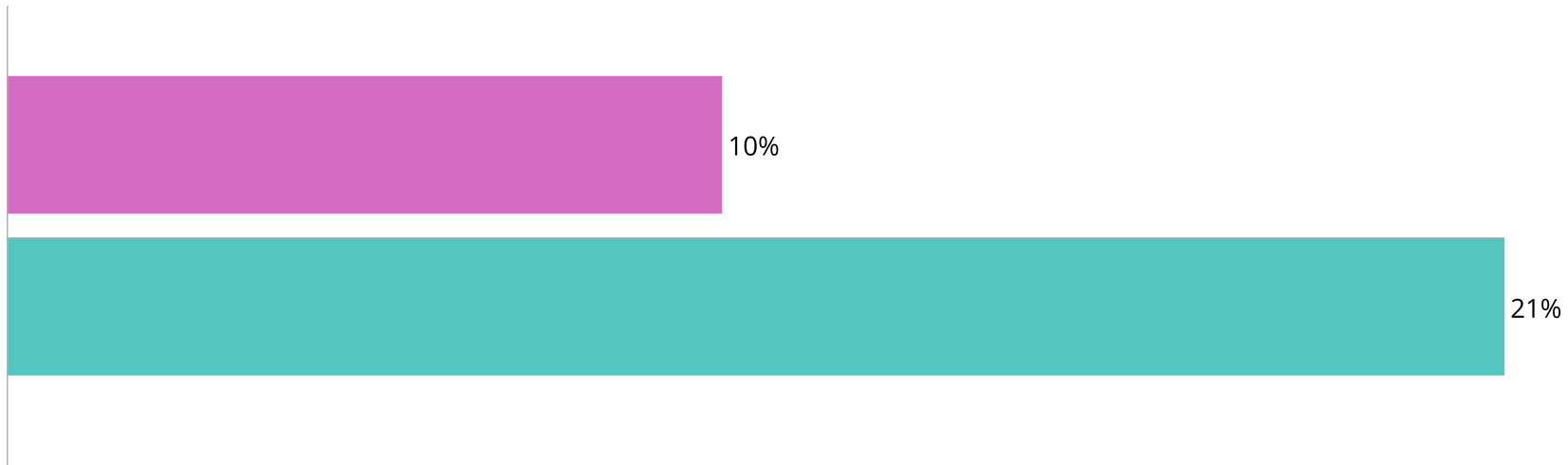
CAREERS INCLUDE: IT Project Manager, Web Developer, Database Administrator, Geographic Information Systems Technician, Computer Network Architect, Video Game Designer, Software Quality Assurance Engineer, Web Administrator, Business Intelligence Analyst

2x more Hispanic students are aligned with careers in Computers & Technology based on their aptitudes than interests alone .

All Students

■ % Interest

■ % Aptitude



Distribution & Logistics

CAREERS INCLUDE: Aerospace Engineering & Operations Technician, Automotive Specialty Technician, Bus & Truck Mechanics & Diesel Engine Specialist, Airline Pilot/Copilot/flight Engineer, Flight Attendant, Logistician, Logistics Engineer, Logistics Analyst, Quality Control Analyst, Quality Control Systems Manager, Transportation Engineer, Transportation Planner

2x more female students are aligned with careers in Distribution & Logistics based on their aptitudes than interests alone.

All Students

■ % Interest

■ % Aptitude



Engineering

CAREERS INCLUDE: Electrical Engineer, Industrial Safety & Health Engineer, Product Safety Engineer, Industrial Engineer, Mechatronics Engineer, Electrical Engineering Technician, Industrial Engineering Technologist

These middle school students expressed an interest in the Engineering cluster. This presents an opportunity for educators to help students build their capacity and explore pathway options.

All Students

■ % Interest

■ % Aptitude

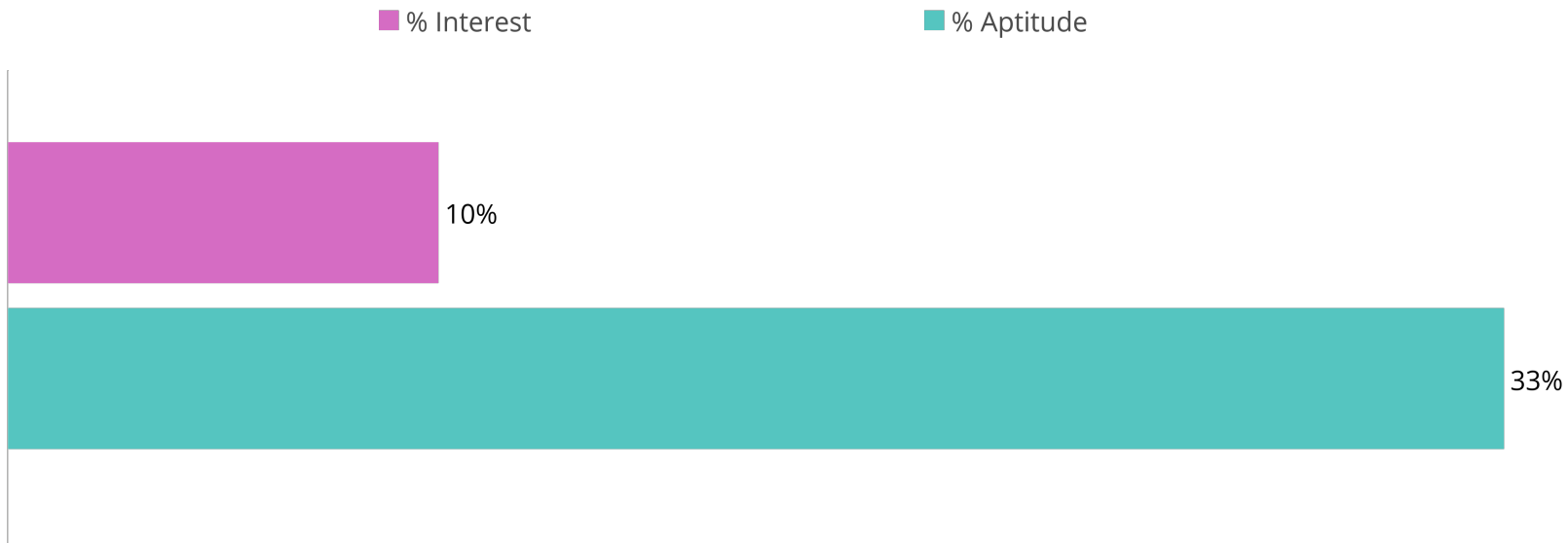


Finance

CAREERS INCLUDE: Treasurer and Controller, Insurance Sales Agent, Loan Officer, Tax Preparer, Accountant, Financial Analyst, Risk Management Specialist, Financial Services Sales Agent, Credit Analyst, Actuary, Fraud Examiner, Insurance Adjustor

3x more students are aligned with careers in Finance based on their aptitudes than interests alone, including **4x more Hispanic students**.

All Students



Health Science

CAREERS INCLUDE: Biomedical Engineer, Physical Therapist Assistant, Epidemiologist, Occupational Therapist, Medical Scientist, Genetic Counselor, Athletic Trainer, Dentist, Radiologic Technician, Chiropractor, Ophthalmic Medical Technician, Neurodiagnostic Technician, Dietitian and Nutritionist, Orthotist or Prosthetist, Pharmacist, Medical Records and Health Information Technician, Internist, Nurse, Veterinary Technician

3x more male students and **4x more black students** are aligned with careers in Health Science based on their aptitudes than interests alone.

All Students

■ % Interest

■ % Aptitude

