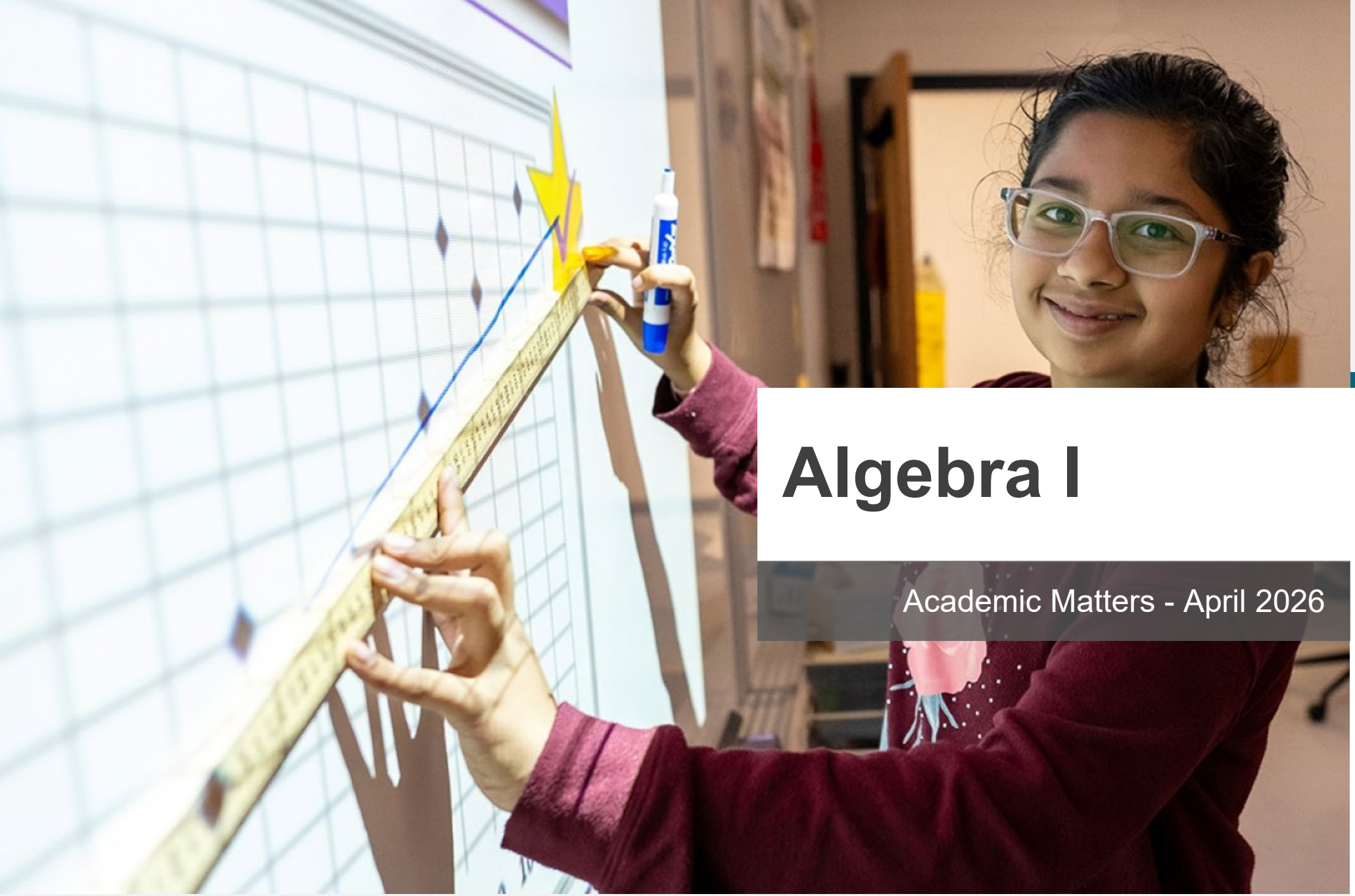
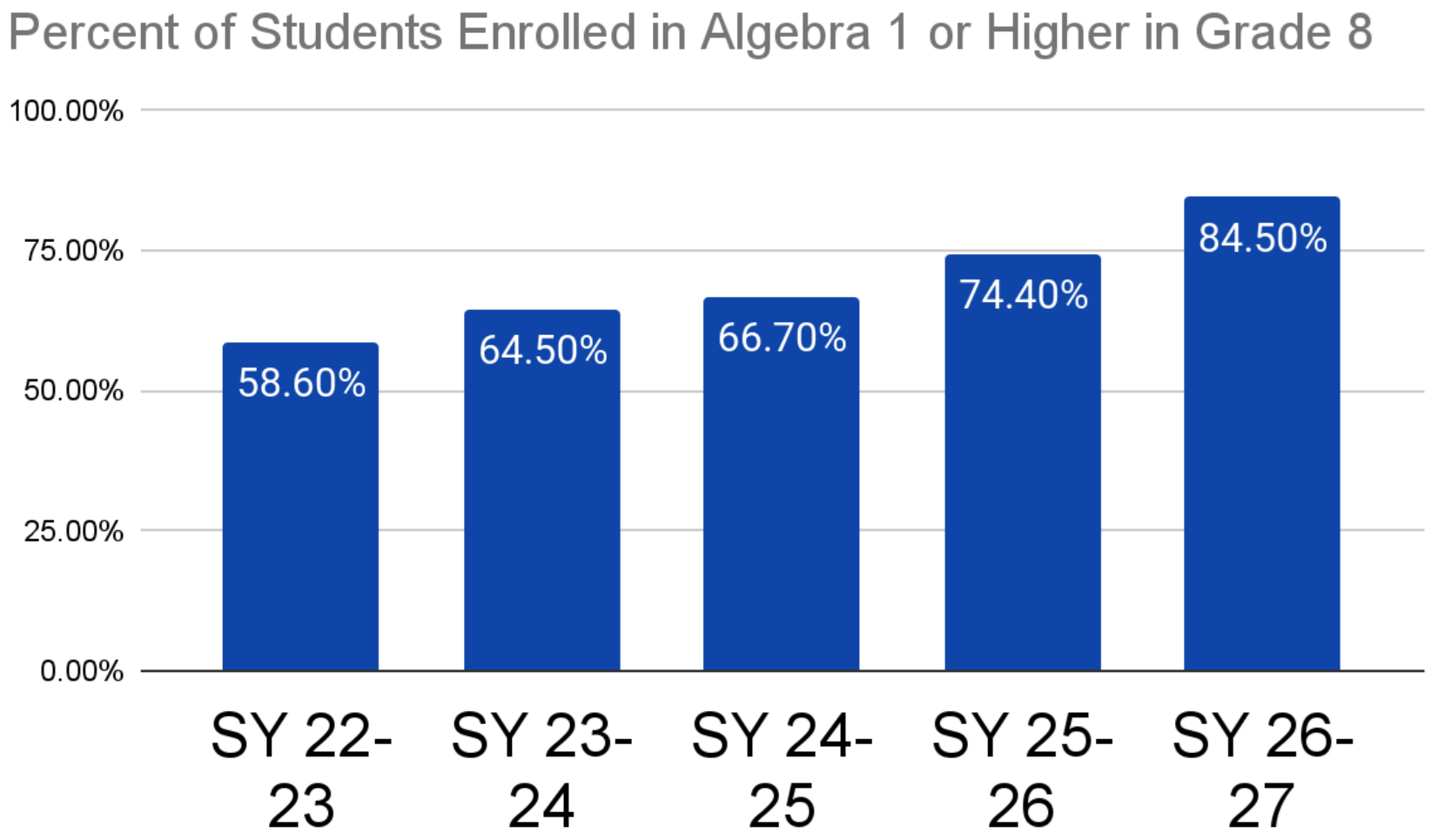


Algebra I

Academic Matters - April 2026

Fairfax County PUBLIC SCHOOLS
ENGAGE • INSPIRE • THRIVE

Grade 8 Algebra 1 Enrollment Over Time



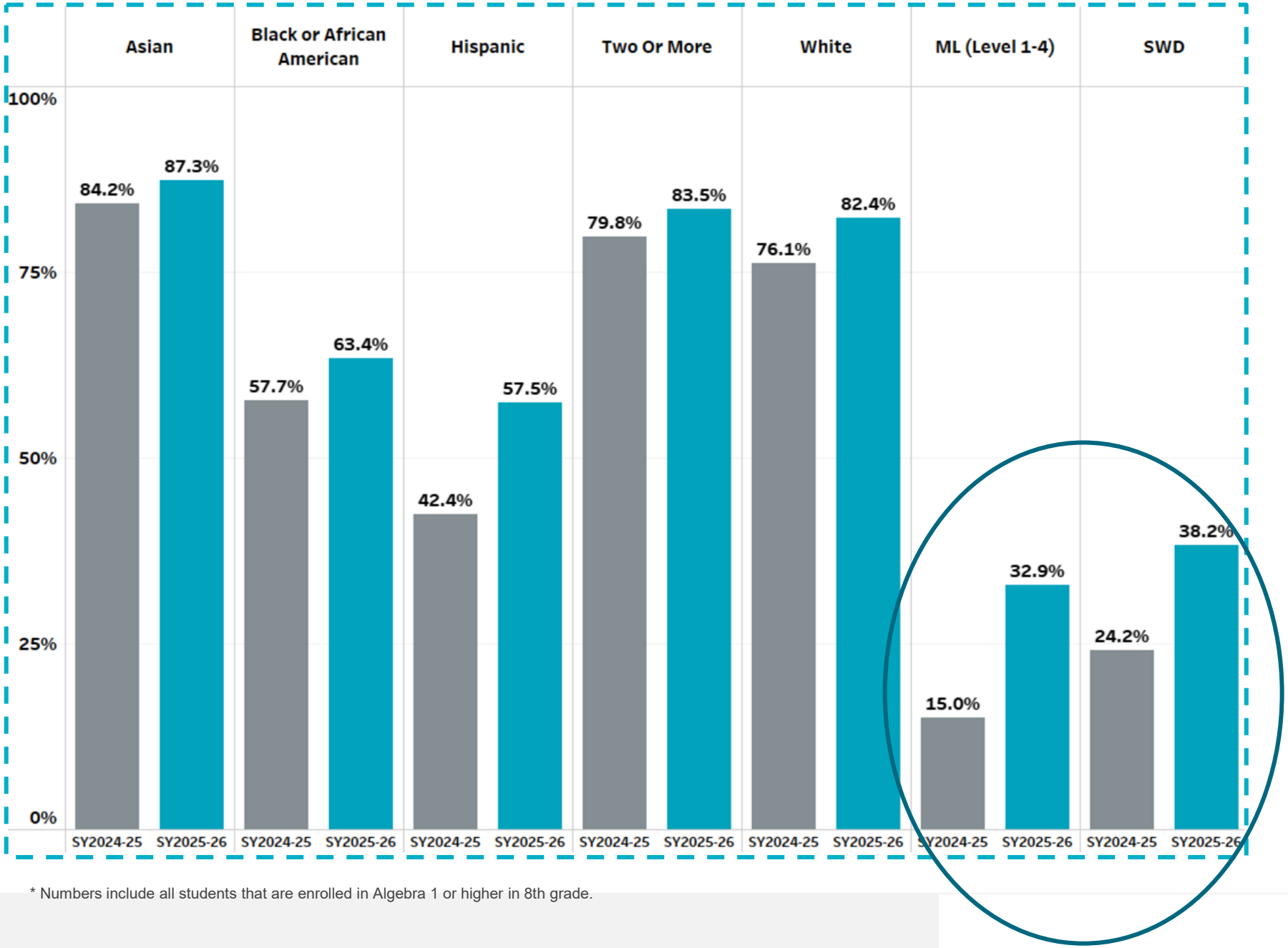
Key takeaways:

- Increase of 18 percentage points over 3 years
- Increase of 10.1 percentage points last year alone

Trends by Student Group

Key takeaways:

- Efforts for increased enrollment reflected across all reporting groups
- More than doubled percent of MLs.
- 15+ percentage point increase for SWD



* Numbers include all students that are enrolled in Algebra 1 or higher in 8th grade.

Algebra Access Network Improvement Community

Strategy:

- Expand the Middle School Algebra Access Network Improvement Community (AANIC) each year to build school-specific systems and supports that will ensure student success in Algebra 1.

AANIC Purpose:

- Increase the diverse representation of students who participate and are proficient in Algebra 1 by the end of eighth grade.
- Build systems that support student success in Algebra 1.

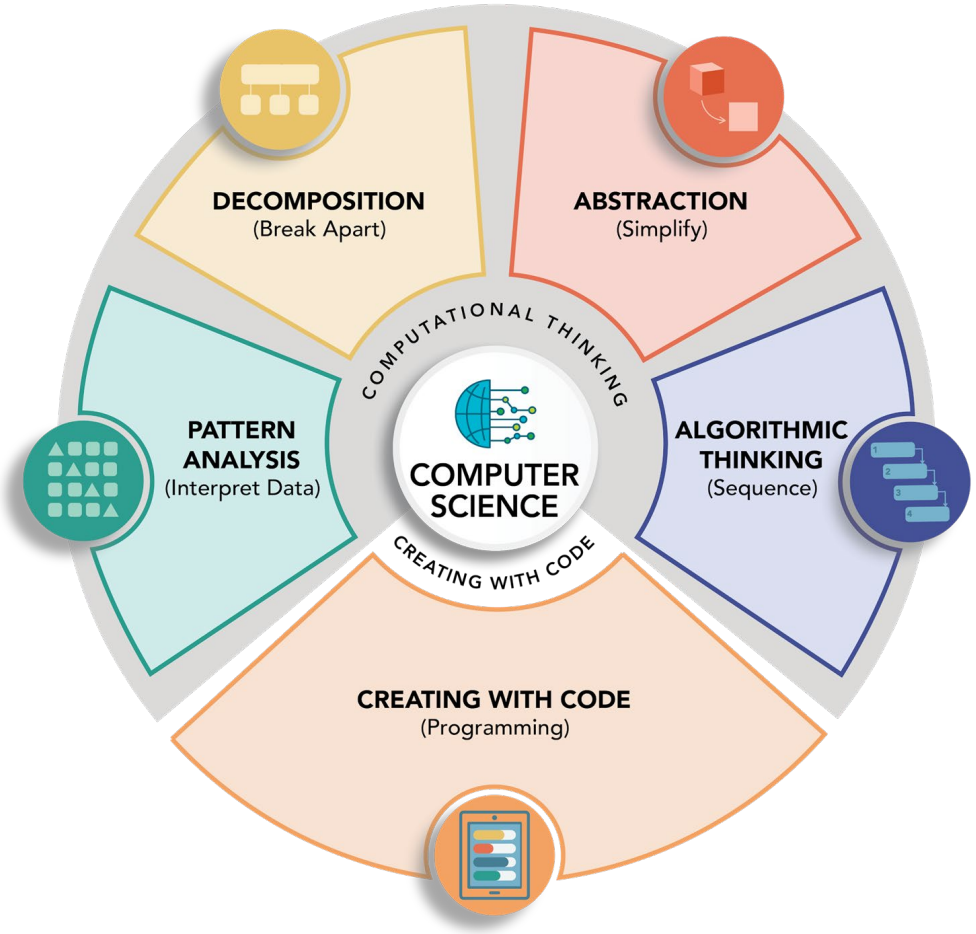
Algebra Dashboard Updates to Support Enrollment

Strategy:

- Utilize data to identify students showing readiness for Algebra 1

Light bulb indicators for possible enrollment

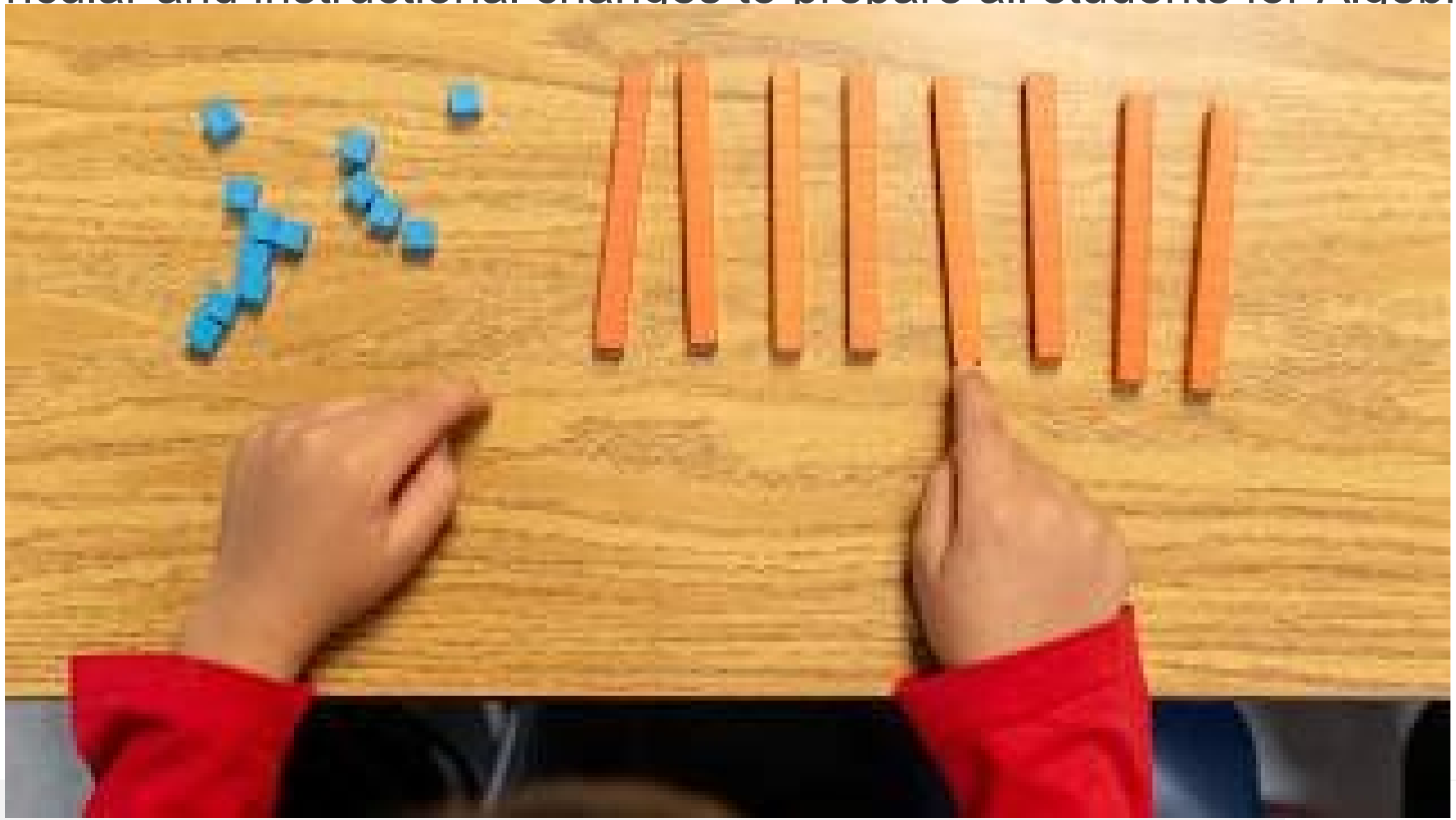
Computational and Algebraic Thinking



- Decomposition (Break Apart)
- Abstraction (Simplify)
- Algorithmic Thinking (Sequence)
- Pattern Analysis (Interpret Data)

Preparing ALL Students

Curricular and instructional changes to prepare all students for Algebra 1.



Summary

- Enrollment continues to increase and Multilingual Learners and Students with Disabilities are finding more access.
- Computational and Algebraic Thinking embedded in curriculum Kindergarten through math 6 advanced help prepare students for Algebra 1 by grade eight.