



*Cherry Hill*  
PUBLIC SCHOOLS

# Secondary Mathematics Update

Curriculum & Instruction Committee Meeting  
05 Feb 2024

# Mathematics Curriculum Long Range Plan (est 2020)



2020-2021

Condense 7th Grade Courses & Implement Eureka 6-8



2022-2023

HS Course Changes & Implement new HS Curricular Resources



2024-2025

Continuing towards an equitable mathematics program



2021-2022

Revise 8th Grade Courses & Teacher PD on new Math Pathway courses



2023-2024

HS Course Changes & Implement new HS Curricular Resources

Continue to continuously monitor changes and re-evaluate as needed

**2020-2021**  
7th grade Math condensed + Eureka pilot for 6-8

**2021-2022**  
Algebra & ITF condensed for 8th grade + Eureka pilot for HS East Algebra

**2022-2023**  
Eureka pilot for HS West Algebra + PD for Pathway Courses

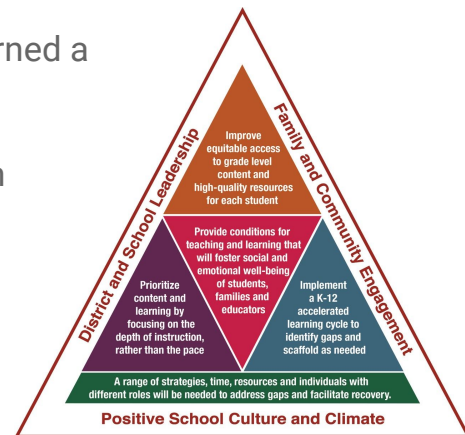
**2023-2024**  
Making Eureka our own, updating pacing and curricular resources + curriculum writing for Data Science & Quantitative Reasoning + prepare for 2024-2025

**2024-2025**  
Move to 7/8 Eureka course for 7th Gr Math + implement initial pathway courses

## Progress on District Plan to Invigorate Secondary Mathematics

# Acceleration in Middle School Math

- Learning acceleration is the ongoing instructional process in which formative practices are leveraged to improve students' access to and mastery of grade-level standards
  - By using the 7/8 Eureka Math Squared course, we are able to offer all students taking 7th Grade Math the opportunity to master 7th and 8th grade standards.
- **Two major goals** for students heading into 8th grade:
  1. Provide students going into Algebra in 8th grade the opportunity to learn a majority of 8th grade standards before arriving in an Algebra classroom
    - Select 8th grade standards will be spiraled into Algebra
  2. Support students going into 8th Grade Math so that they have previewed and learned a majority of 8th grade standards
    - Some topics will be seen for the first time in 8th grade
    - Increased opportunities to consolidate lessons and accelerate students in 8th Grade Math → **directly supports Algebra readiness**
- We are engaging all MS math teams in this work
  - Expanding the Secondary Math Curriculum Committee to include their voices
  - Including ICR and RR teachers in our PD opportunities



# Acceleration in Middle School Math

- To address the need for students to have enough time to properly learn, practice, and become proficient in the topics covered in the 7/8 course, we are making the course our own to best support CHPS students
  - Some changes include:
    - Prioritizing 7th grade standards prior to the NJSLA
    - Moving select 8th grade standards to the end of the year
    - Removing or reducing some 8th grade standards from 7/8 course
      - These will be intentionally spiraled into Algebra (for MS Algebra students) and will be seen again in 8th Grade Math for those who take that course
  - Maintain a strong focus on differentiation
    - Create a curriculum that is accessible for all students with opportunities for remediation and enrichment
- Supporting students with disabilities
  - Bringing ICR and Resource Room teachers into planning and PD
  - Collaboration with Special Education Supervisor
  - All changes are being made while keeping in mind ICR supports and transitions from RR math into inclusion settings

# Major Milestones of Achievement

## CHPS District Goals

2023-2024

By the end of eighth grade, all students will be prepared for ninth grade and will demonstrate a strong foundation in algebraic concepts, ensuring their preparedness for high school (thus facilitating their readiness to learn more advanced topics in future years)

### **Increasing access and equity in our mathematics programming**

- Provide a high quality curriculum, which is continuously monitored and updated
- Increase the number of students enrolled in higher level math classes
  - More students electing to take a fourth year of math
  - Students making the connection between mathematics and life beyond high school
  - Class demographics mirror demographics of our school population
  - Course options offered that align with student aspirations and interests.

### **Setting high expectations for all students**

- Provide the accelerated course for 7th grade students
- Math Pathway courses offered at the A/H level
  - With increased diversity within classes, students are more likely to perform higher.

### **Provide professional learning opportunities...**

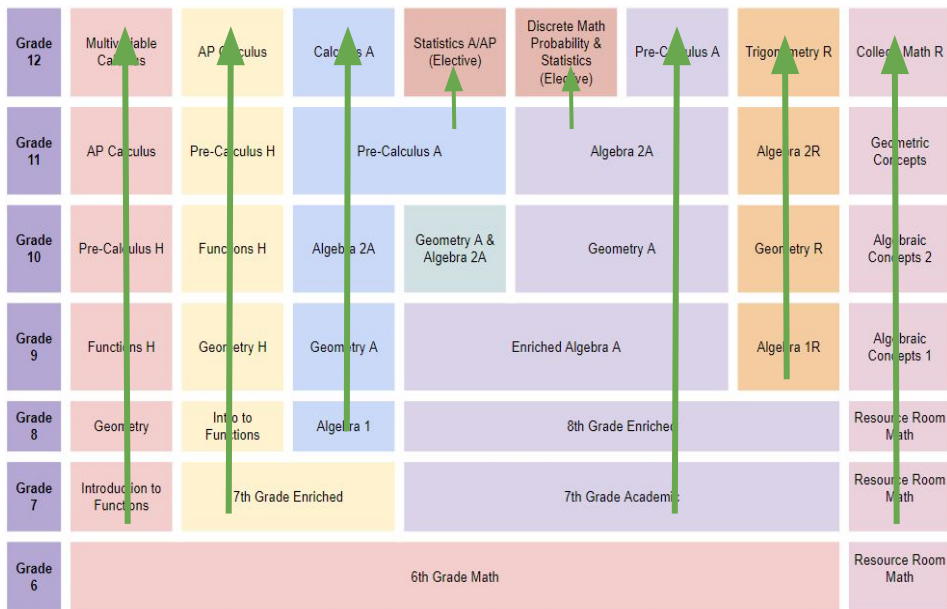
- that support differentiated instruction.
- around best practices for implementation of Eureka Math Squared.
- based on teacher feedback and that amplify student voice & choice.

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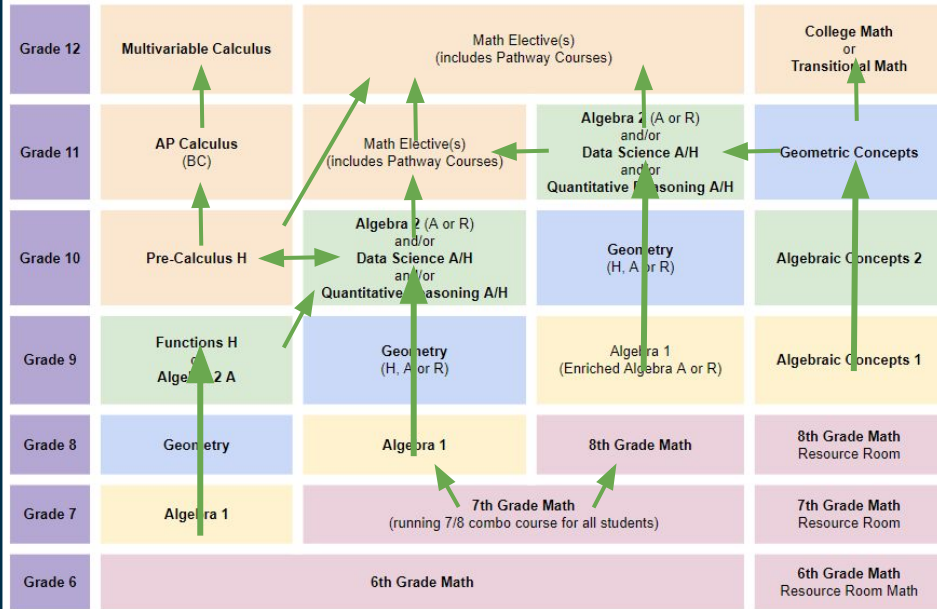
When access and equity have been successfully addressed, student outcomes cannot be predicted by students' racial, ethnic, linguistic, gender and socioeconomic backgrounds.

# Continuing Towards an Equitable Mathematics Program

Our prior system and flow were linear. These tracks made it difficult for students to change levels.



The Pathways, which will start in the 24-25 school year, provide a clearer common path and make higher level math classes more accessible



Thank you!

Questions?