

# Raul Yzaguirre Schools for Success Board Goals Reporting: Goal 2 Progress Monitoring

November 2021



# Goal 2—Early Childhood Mathematics

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## **Goal 2: Early Childhood Math District Progress Measure 1**

- The percent of Grade 1 students that score on grade level on Renaissance 360 will increase from 6% to 63% by June 2025.

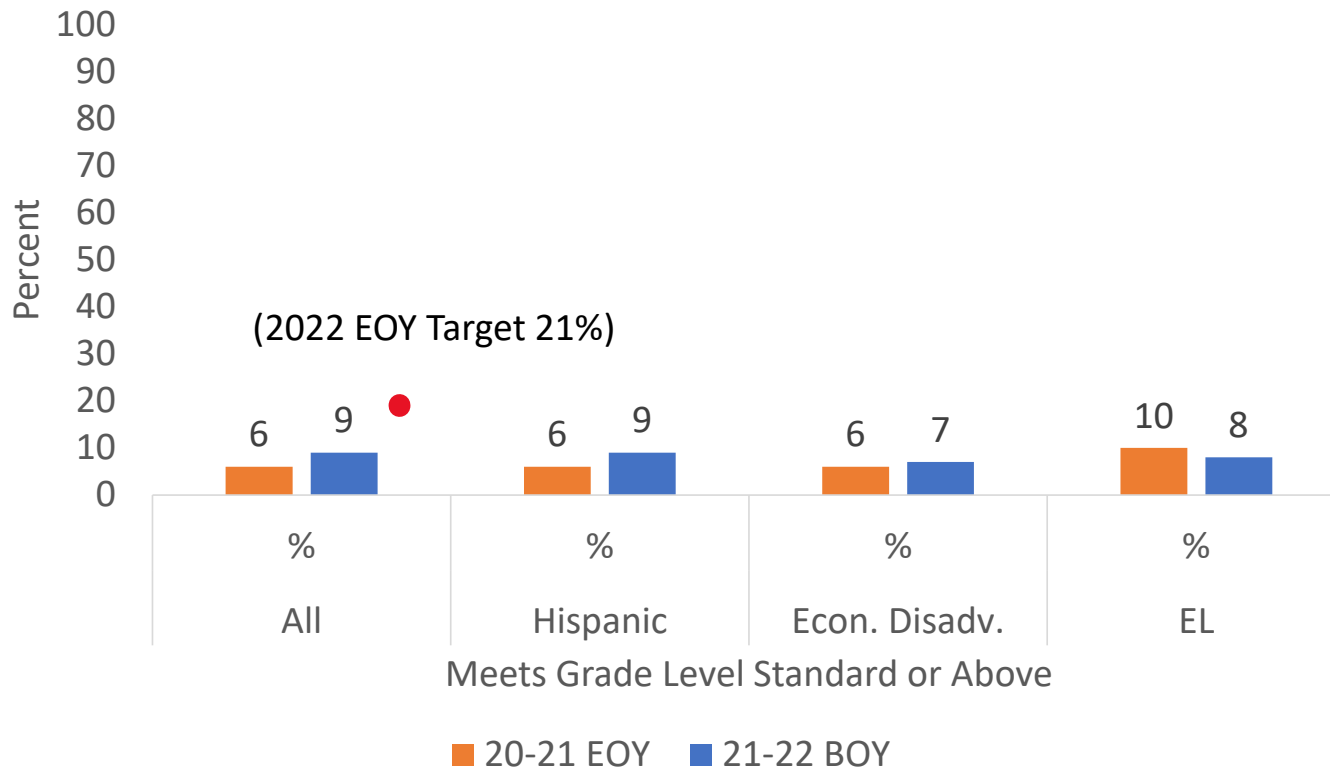
## **Goal 2: Early Childhood Math District Progress Measure 2**

- The percent of Grade 2 students that score on grade level on Renaissance 360 will increase from 10% to 65% by June 2025.



## RYSS Renaissance 360 Mathematics Percentage at Meets or Above Grade Level

### District Grade 1 Math

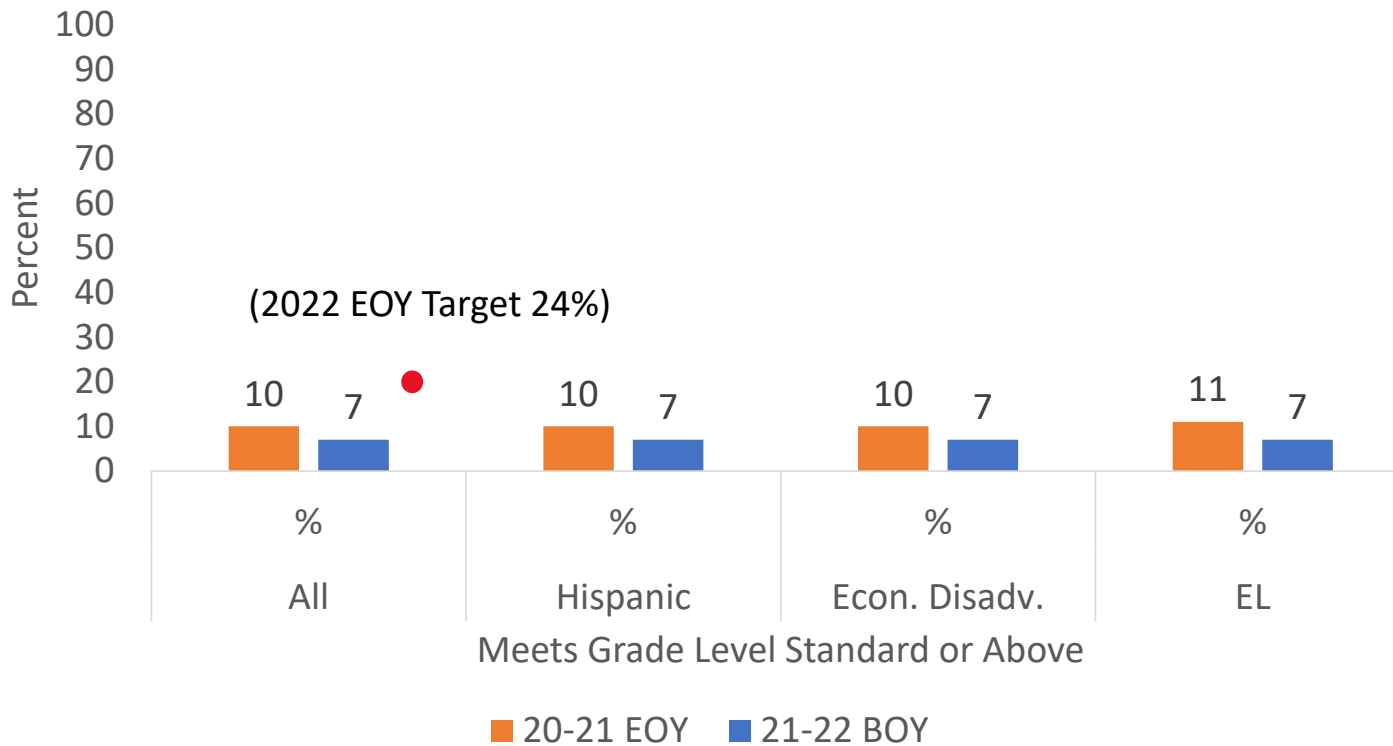


- Beginning-of-year data for this year's first graders compared to end-of-year data for last year's first graders.
- English testers
- Increase in rates for All, Hispanic, and Economically Disadvantaged student groups.
- On target



## RYSS Renaissance 360 Mathematics Percentage at Meets or Above Grade Level

### District Grade 2 Math

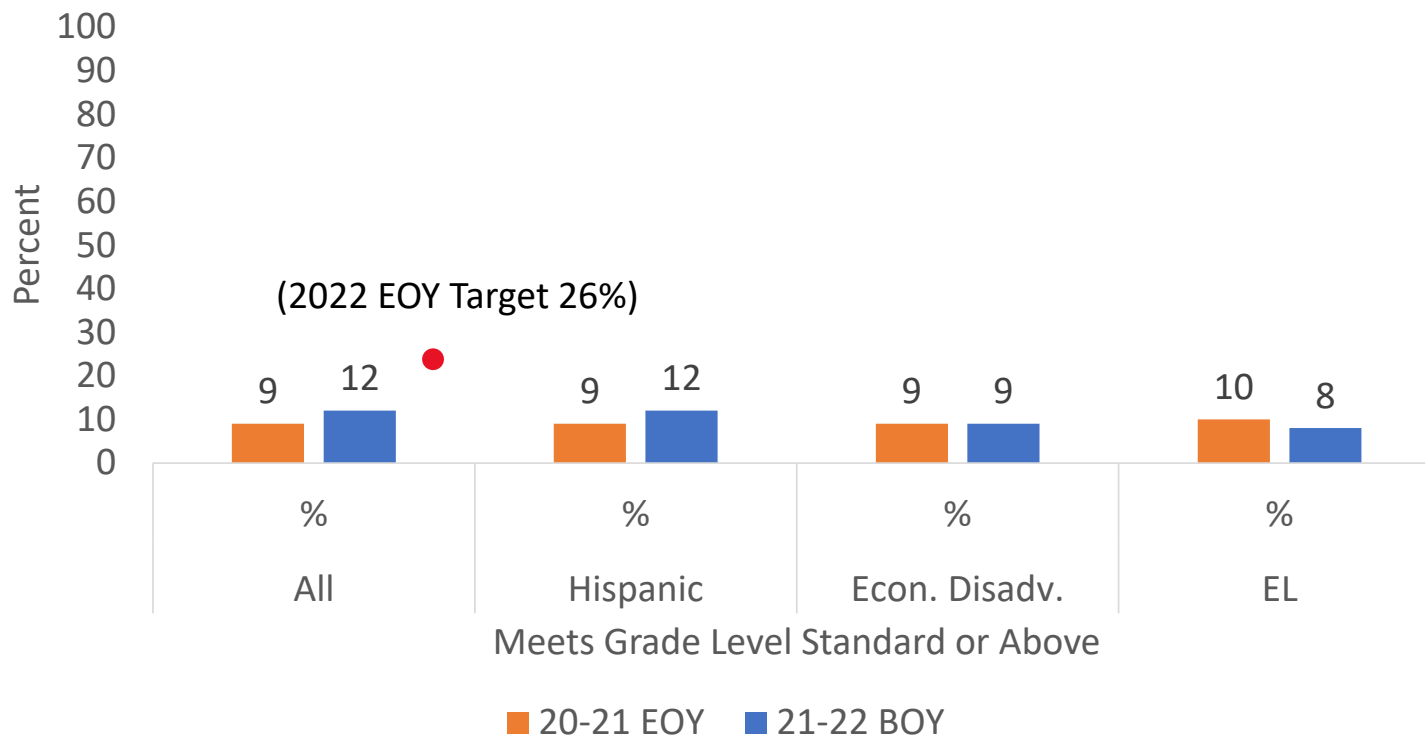


- Beginning-of-year data for this year's second graders compared to end-of-year data for last year's second graders.
- English testers
- Decreases shown for all student groups.
- Not on target



## BRYSS Academy Renaissance 360 Mathematics Percentage at Meets or Above Grade Level

### BRYSS Grade 1 Math

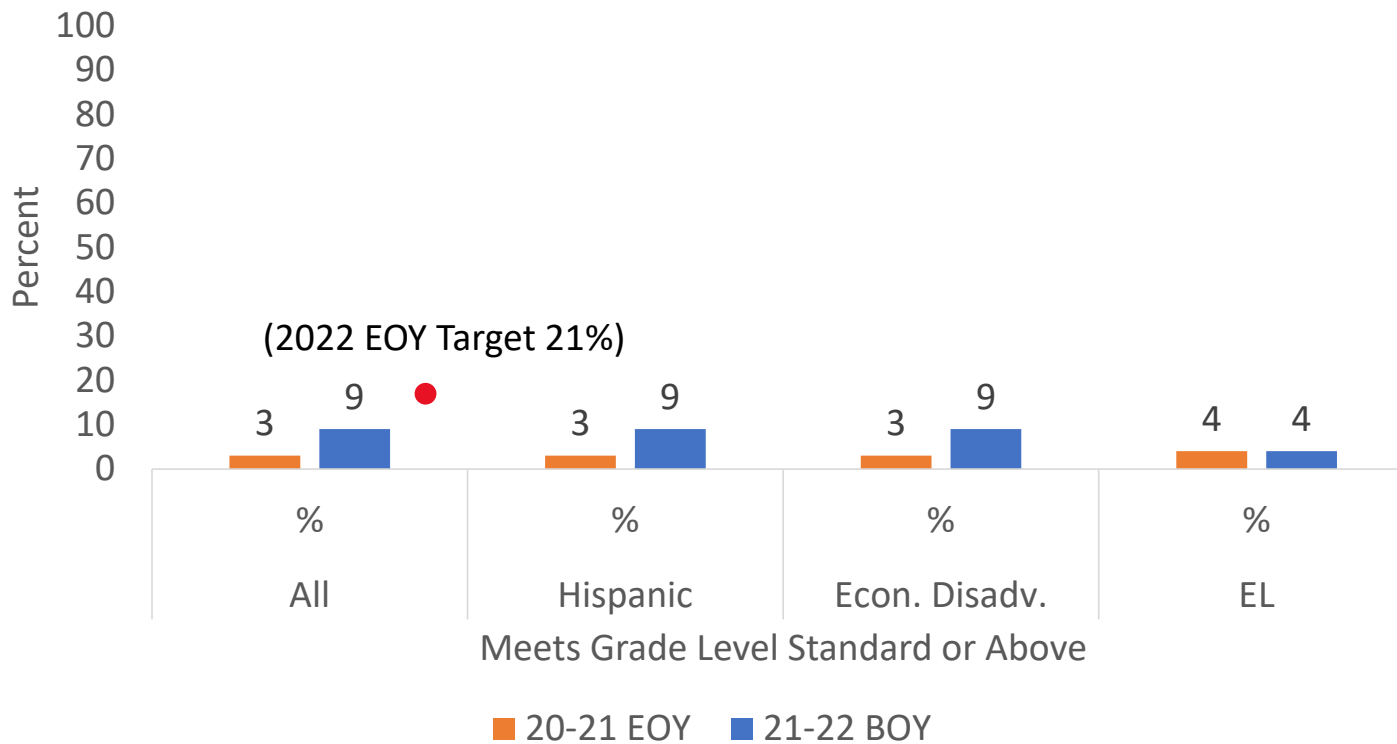


- Beginning-of-year data for this year's first graders compared to end-of-year data for last year's first graders.
- English testers
- 2021-2022 BOY results were at or above 2020-2021 EOY results for All, Hispanic, and Economically Disadvantaged students.
- On target



## BRYSS Academy Renaissance 360 Mathematics Percentage at Meets or Above Grade Level

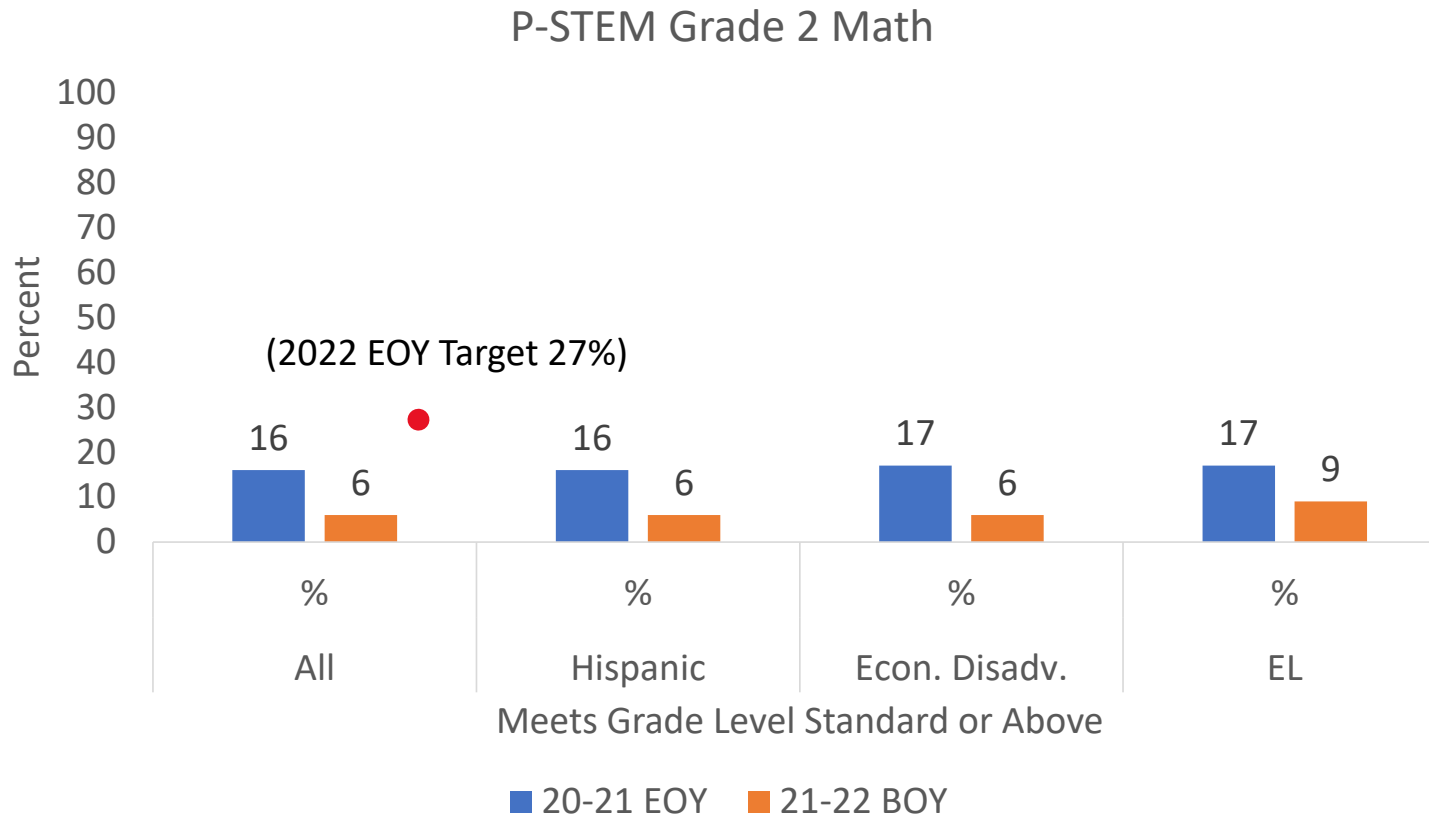
### BRYSS Grade 2 Math



- Beginning-of-year data for this year's second graders compared to end-of-year data for last year's second graders.
- English testers
- 2021-2022 BOY results were at or above 2020-2021 EOY results for all student groups.
- On target



## P-STEM Academy Renaissance 360 Mathematics Percentage at Meets or Above Grade Level



- The majority of Grade 1 students at P-STEM tested in Spanish. Comparable data for the English results are not available.
- Beginning-of-year data for this year's second graders compared to end-of-year data for last year's second graders.
- English testers
- Decreases shown for all student groups.
- Not on target



# Math Curriculum

We will create a district-wide Math Sequence & Primary Source in Houston.

- K- 5 (Eureka Math)
- 6-12 (Carnegie Learning)

BRYSS Primary Sources

- STEM Scopes Math





## 2021-2022 Math *Priorities*

- **Establish mathematics goals to focus on learning.** Effective teaching establishes clear goals for the mathematics that students are learning, situates goals within learning progressions, and uses the goals to guide instructional decisions.
- **Implement tasks that promote reasoning and problem-solving.** Effective mathematics teaching engages students in solving and discussing tasks that promote mathematical reasoning and problem solving and allow multiple entry points and varied solution strategies.
- **Use and connect mathematical representations.** Effective teaching of mathematics engages students in making connections among mathematical representations to deepen understanding of mathematics concepts and procedures and as tools for problem-solving.
- **Facilitate meaningful mathematical discourse.** Effective mathematics teaching facilitates discourse among students to build a shared understanding of mathematical ideas by analyzing and comparing student approaches and arguments.



- **Pose purposeful questions.** Effective mathematics teaching uses purposeful questions to assess and advance students' reasoning and sense-making about important mathematical ideas and relationships.
- **Build procedural fluency from conceptual understanding.** Effective teaching of mathematics builds fluency with procedures on a foundation of conceptual understanding so that students, over time, become skillful in using procedures flexibly as they solve contextual and mathematical problems.
- **Support productive struggle in learning mathematics.** Effective mathematics teaching consistently provides students, individually and collectively, with opportunities and supports to engage in productive struggle as they grapple with mathematical ideas and relationships.
- **Elicit and use evidence of student thinking.** Effective teaching of mathematics uses evidence of student thinking to assess progress toward mathematical understanding and to adjust instruction continually in ways that support and extend learning



## Math Curriculum *Data Touch Points*

- Use DMAC systems for internal assessments for progress monitoring
- Interim STAAR Assessments Grades 3 and 4 three times a year  
(December, January, and March)
- HB4545 data logs
- Imagine Learning
- Report cards
- Incorporation of writing in math (define, defend, and present)

