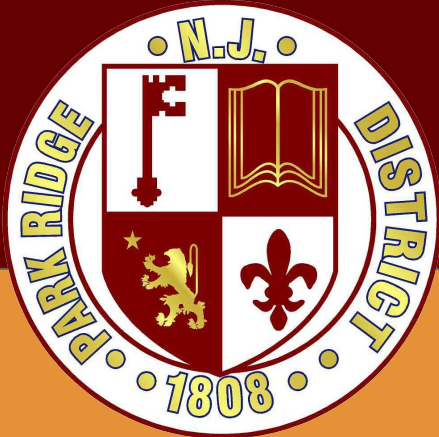


New Jersey State Assessment Results

Start Strong 2021 Administration

Presented January 24, 2022



Park Ridge School District
Park Ridge, NJ

What was Start Strong?

- Designed as tool measuring prior year's learning
- As of now, this is a one-time test (Sept. 2021)
- No NJ State or county/group scores available
- Based on New Jersey Student Learning Standards
- Questions were on *previous year's learning standards*
- A 6th grade student (MAT06) took a test on Grade 5 math standards
- *The Science test was a bit more generalized - covered material from multiple years

Who Took Start Strong?

ELA

All students
grades 4-10.

Math

All students grades 4-8.
Plus: Algebra I,
Geometry, and Algebra II

Science

All students grades
6, 9, and 12.

Park Ridge District Testing Rates

ELA04	100%	MAT04	100%	SCI06	98.65%
ELA05	100%	MAT05	100%	SCI09	98.82%
ELA06	97.3%	MAT06	98.65%	SCI12	98.94%
ELA07	98.98%	MAT07	100%		
ELA08	100%	MAT08	97.5%		
ELA09	100%	ALG01	100%		
ELA10	98.88%	ALG02	97.8%		
		GEO	98.7%		

Student Levels (Test Results)

1

**Strong Support
Needed**

Roughly equivalent
to a level one or two
on NJSLA

2

**Some Support
Needed**

Roughly equivalent
to a level three on
NJSLA

3

**Less Support
Needed**

Roughly equivalent
to a level four or
five on NJSLA

ELA Question Types

Grades 4, 5, 6 and 8 Based on Previous Grade's Learning Standards

Passage Type	Number of Passages	Reporting Concept	Number of Items	Number of Points
Literary	1	Reading Literature	5	10
Informational	1	Reading Information	5	10
Total	2	N/A	10	20

Grades 7, 9 and 10 Based on Previous Grade's Learning Standards

Passage Type	Number of Passages	Reporting Concept	Number of Items	Number of Points
Literary	1	Reading Literature	4	8
Informational	1	Reading Information	6	12
Total	2	N/A	10	20

Math Question Types (Grade 4 and ALG01 used as example)

Grade 4 Based on Previous Grade's Learning Standards

Content Domain	Major Content Cluster	Reporting Concept	Number of Items	Number of Points
Operations and Algebraic Thinking	Represent and solve problems involving multiplication and division (3.OA.A.1–3.OA.A.4) Understand properties of multiplication and the relationship between multiplication and division (3.OA.B.5–3.OA.B.6)	Operations and Algebraic Thinking: Multiplication and Division	6	6
Operations and Algebraic Thinking	Multiply and divide within 100 (3.OA.C.7) Solve problems involving the four operations, and identify and explain patterns in arithmetic (3.OA.D.8–3.OA.D.9)	Operations and Algebraic Thinking: Operations	4	6
Number and Operations – Fractions	Develop understanding of fractions as numbers (3.NF.A.1–3.NF.A.3)	Number and Operations: Fractions	6	6
Measurement and Data	Solve problems involving measurement and estimation (3.MD.A.1–3.MD.A.2) Geometric measurement: understand concepts of area and relate area to multiplication and to addition (3.MD.C.5–3.MD.C.7)	Measurement	5	6

Algebra I Based on Grade 8 Learning Standards

Content Domain	Major Content Cluster	Reporting Concept	Number of Items	Number of Points
Expressions and Equations	Work with radicals and integer exponents (8.EE.A.1–8.EE.A.4) Understand the connections between proportional relationships, lines and linear equations (8.EE.B.5–8.EE.B.6)	Expressions and Equations: Radicals, Integer Exponents, Proportional Relationships, Lines, and Linear Equations	7	7
Expressions and Equations	Analyze and solve linear equations and pairs of simultaneous linear equations (8.EE.C.7–8.EE.C.8 & 8.EE.C.Int.1)	Expressions and Equations: Linear Equations and System of Two Linear Equations	5	6
Functions	Define, evaluate, and compare functions (8.F.A.1–8.F.A.3)	Functions	6	6
Geometry	Understand congruence and similarity using physical models, transparencies, or geometry software (8.G.A.1–8.G.A.4) Understand and apply the Pythagorean Theorem (8.G.B.7–8.G.B.8) Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres (8.G.C.9)	Geometry	5	6

What was assessed in Algebra I?

Remember, the assessed standards are Grade 08 - the 'prior year'

Which functions are **not** linear?

Select **three** such functions.

☐ A. $y = \frac{x}{5}$

☐ B. $y = 5 - x^2$

☐ C. $-3x + 2y = 4$

☐ D. $y = 3x^2 + 1$

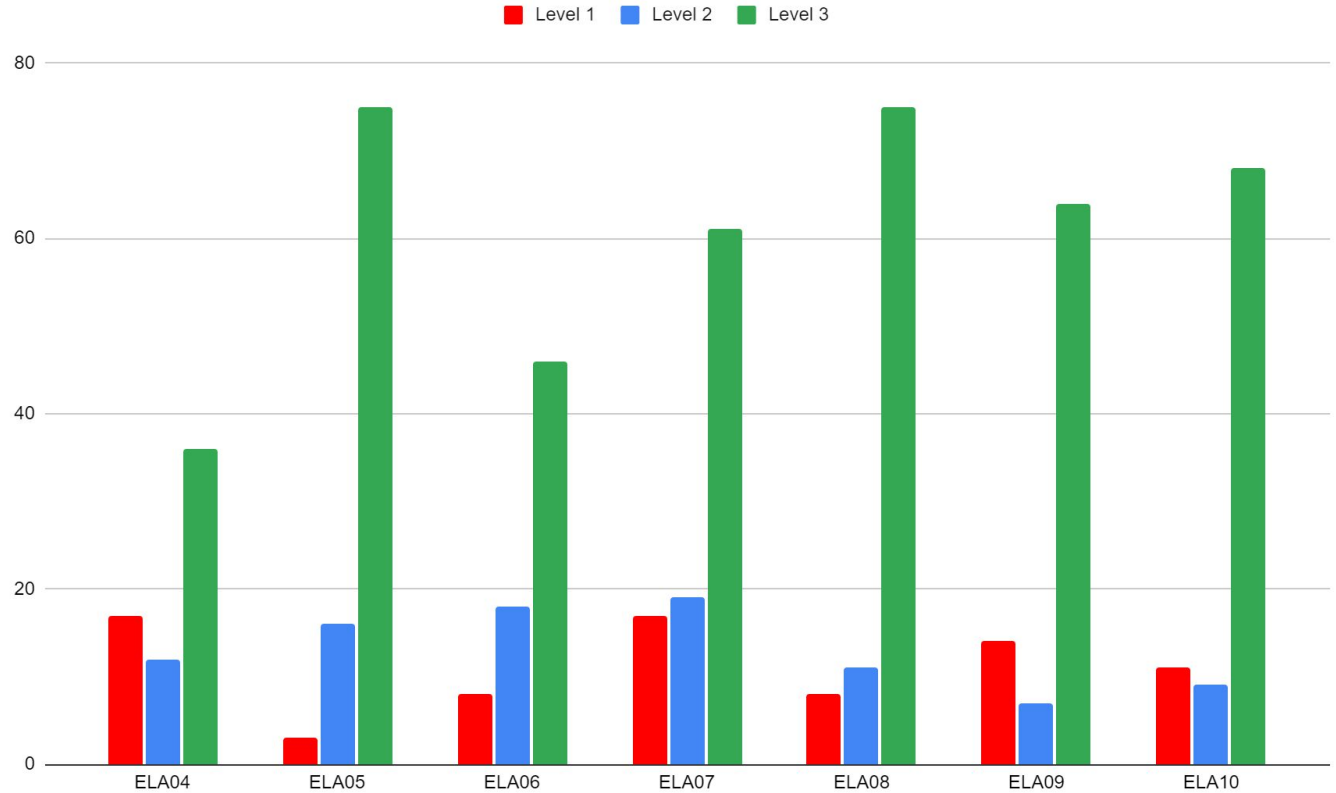
☐ E. $y = -5x - 2$

☐ F. $y = x^3$

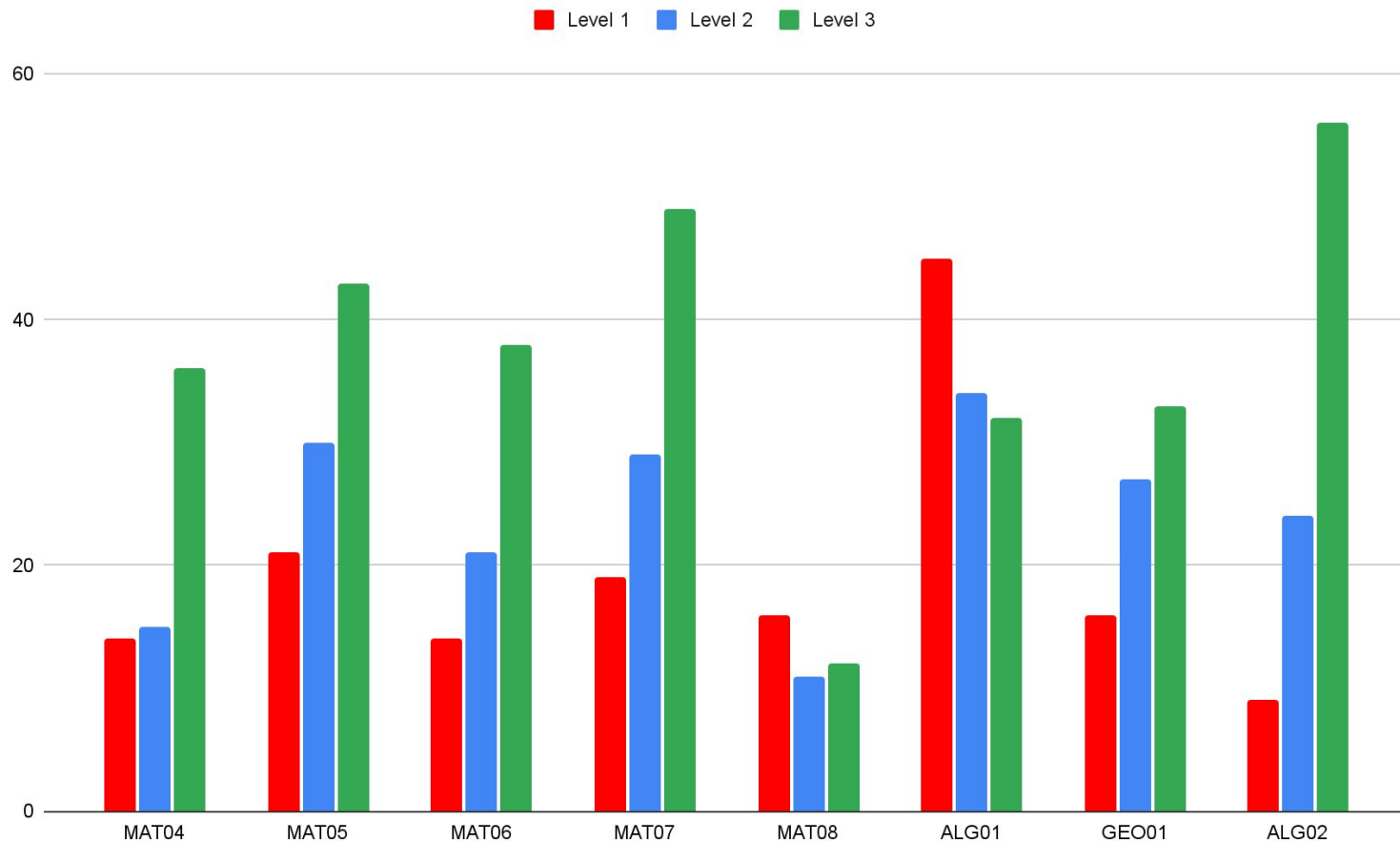
Over 80% of students got this one wrong - what's really being tested here is, "Do you remember the definition of a linear function?"

*Note: Unlike previous exams, questions on Start Strong were released.

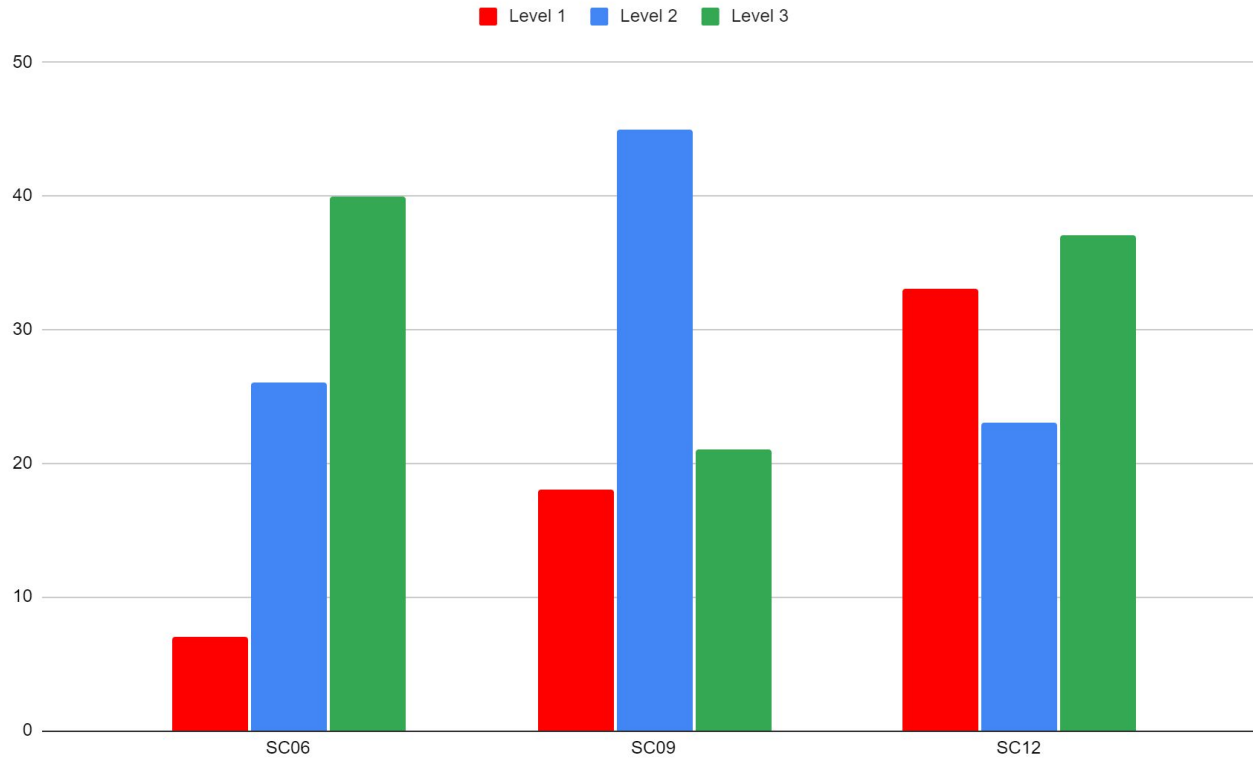
District and PRHS Overview – ELA



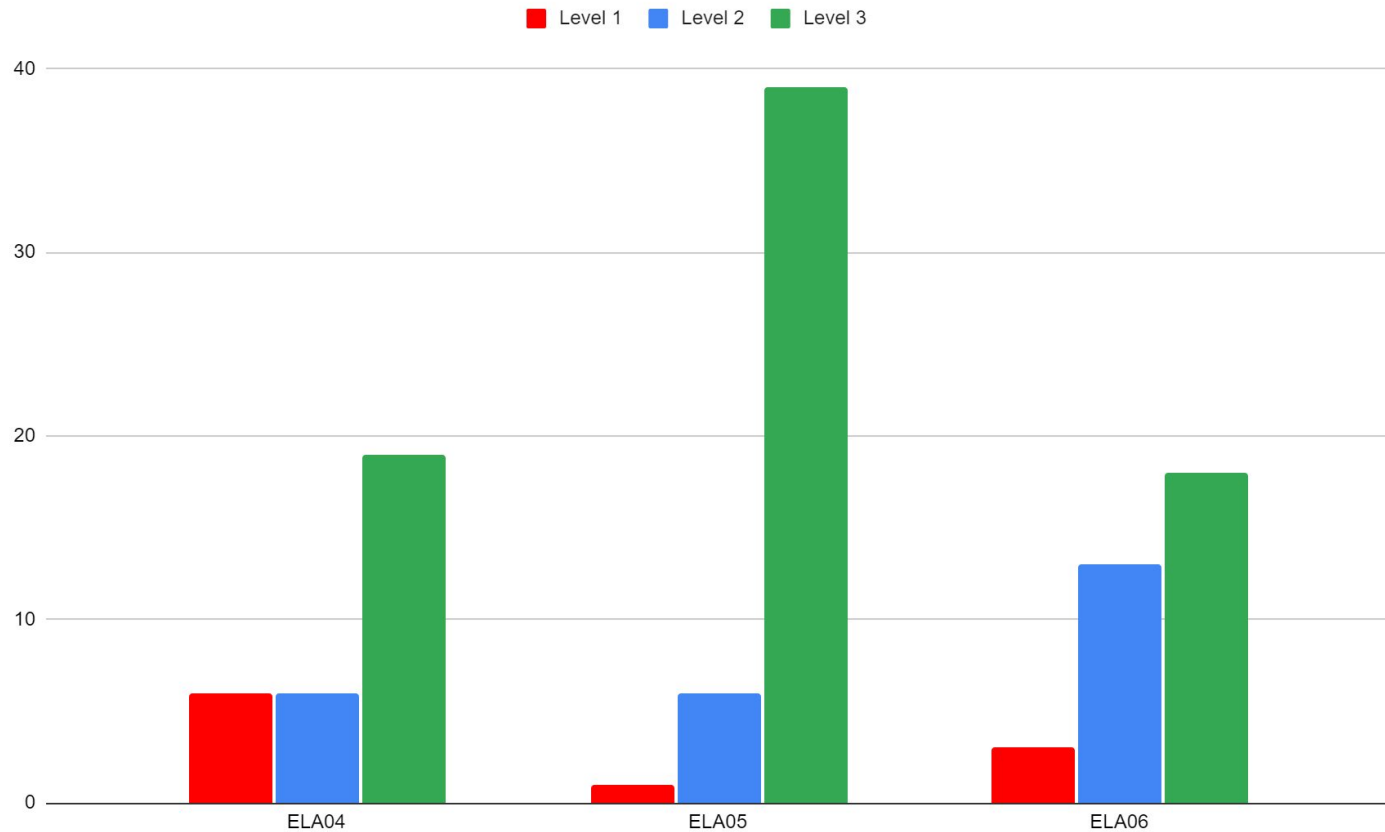
District and PRHS Overview - Math



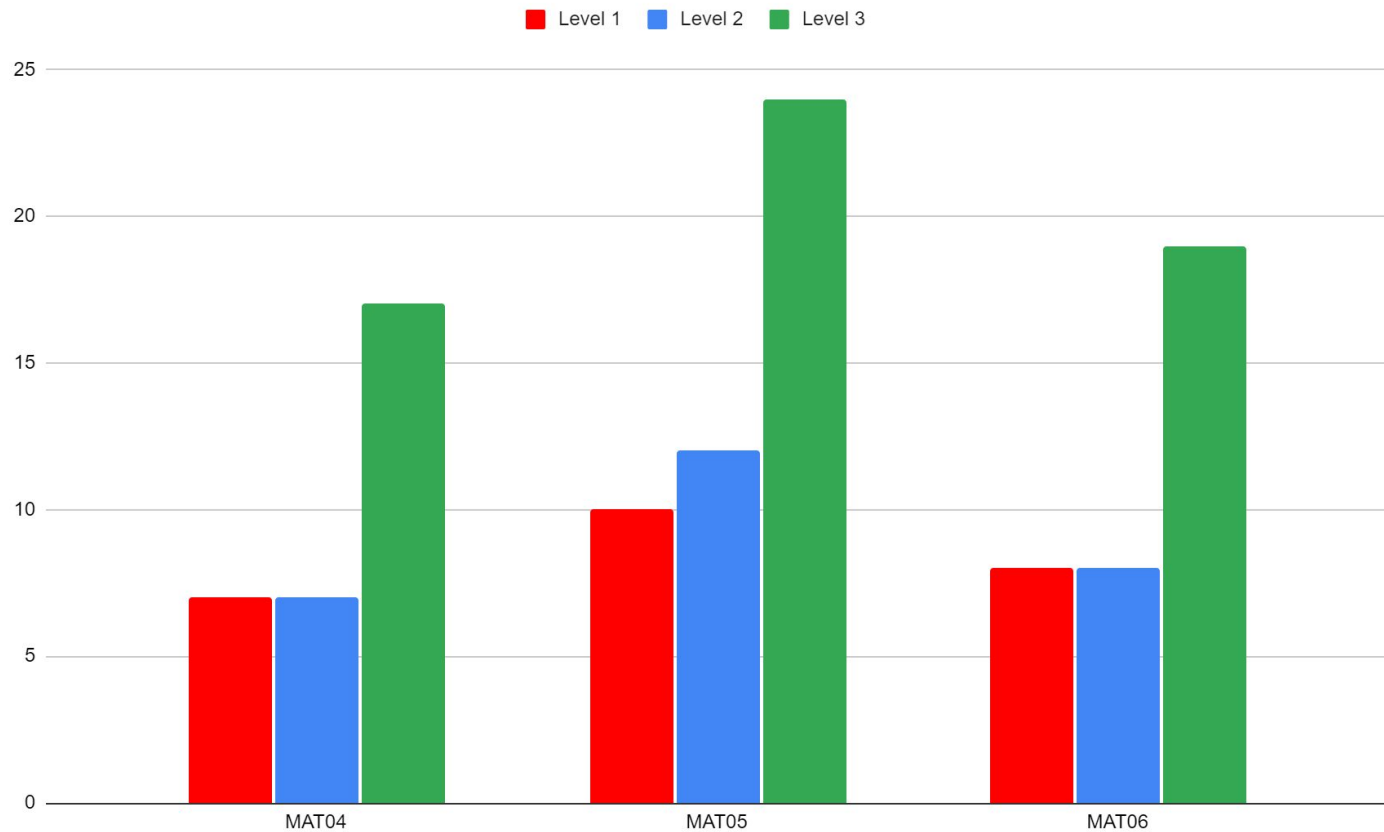
District and PRHS Overview - Science



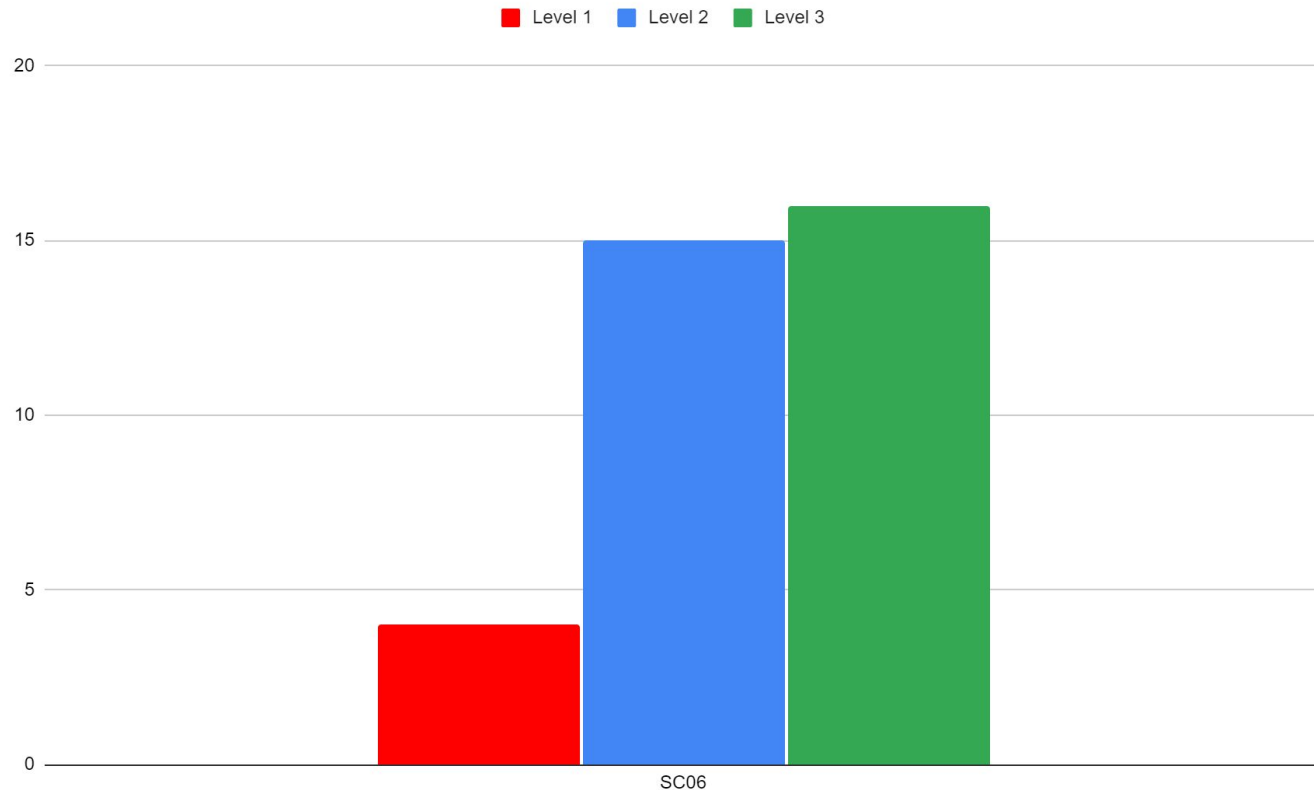
East Brook ELA



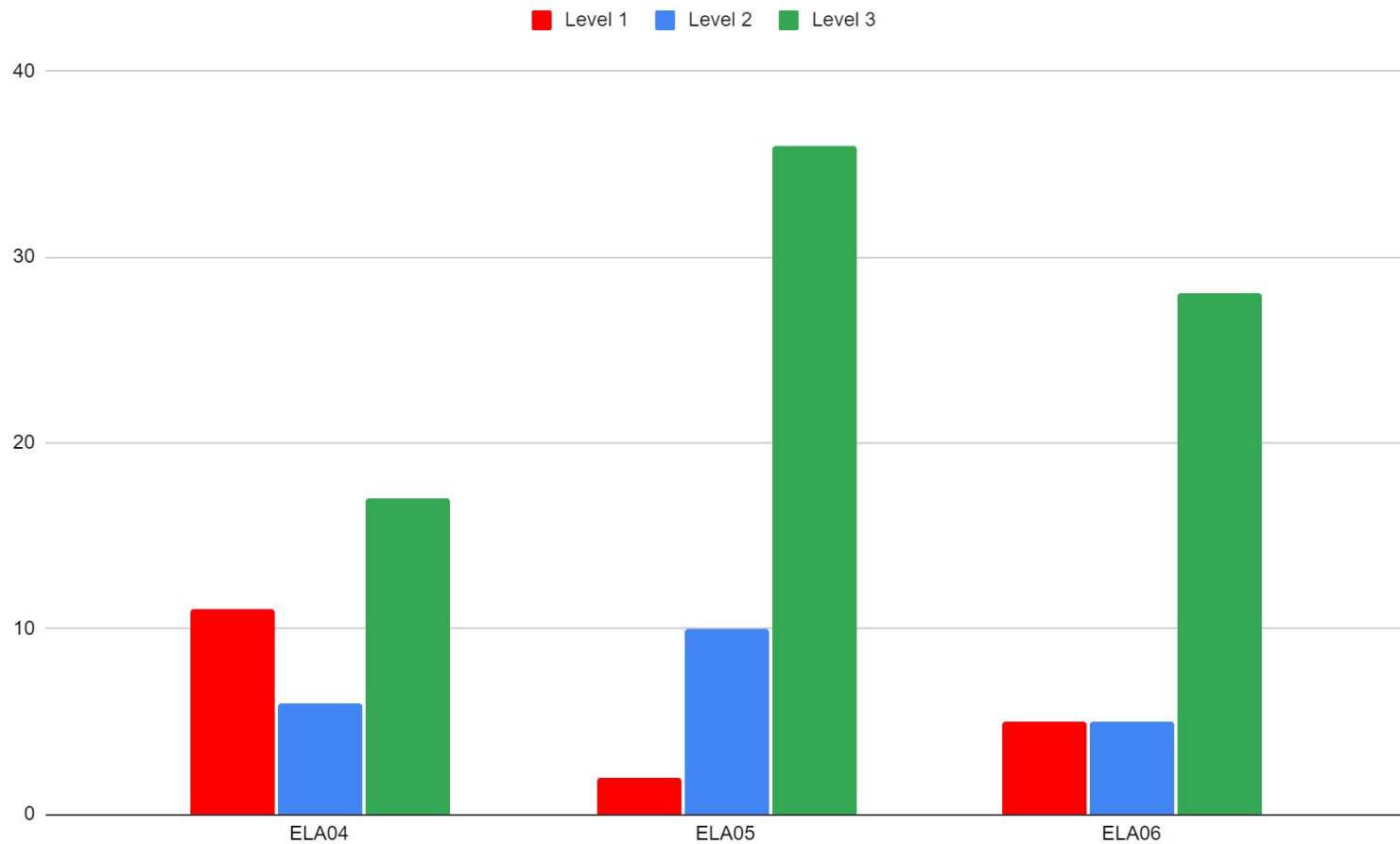
East Brook Math



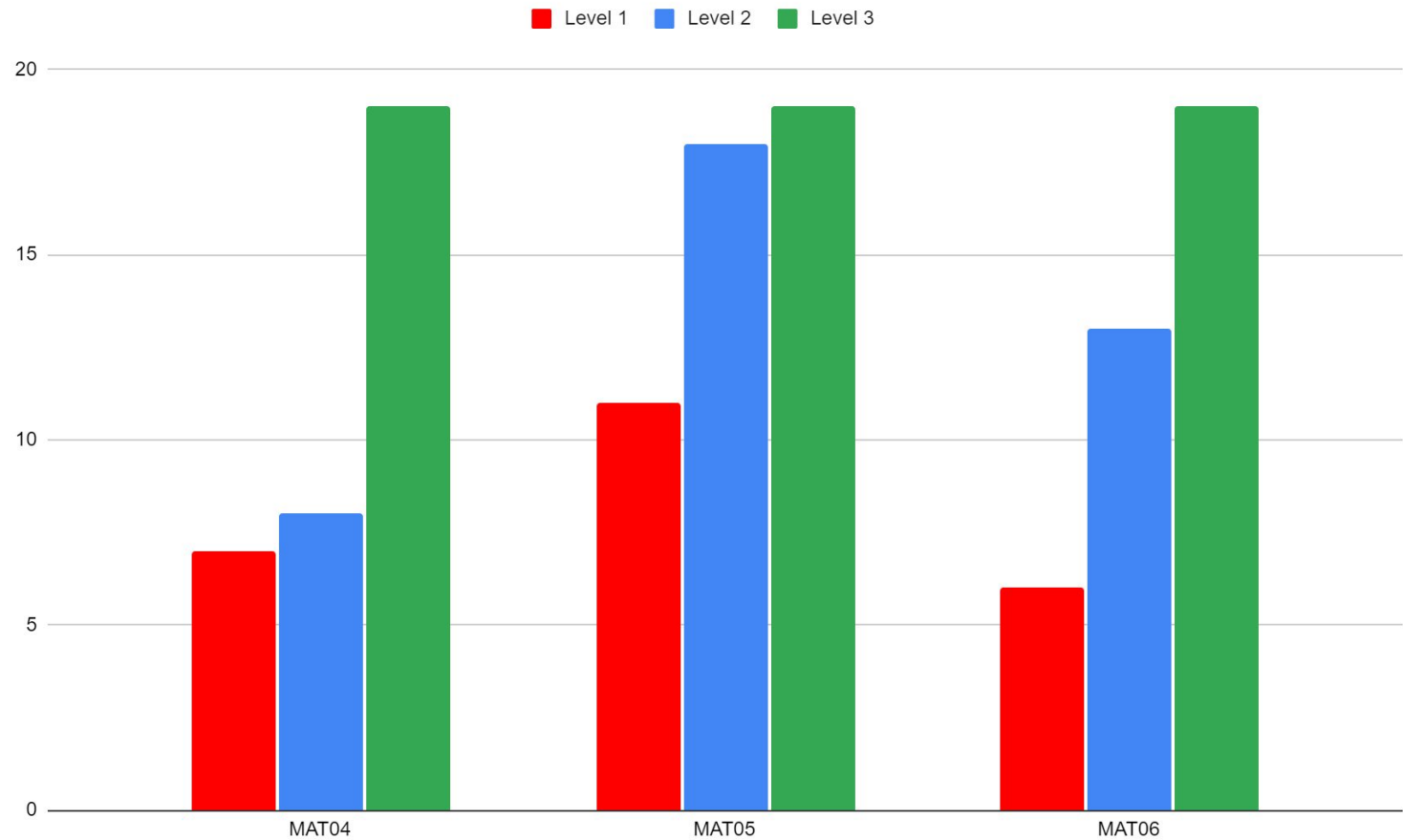
East Brook Science (Science 6)



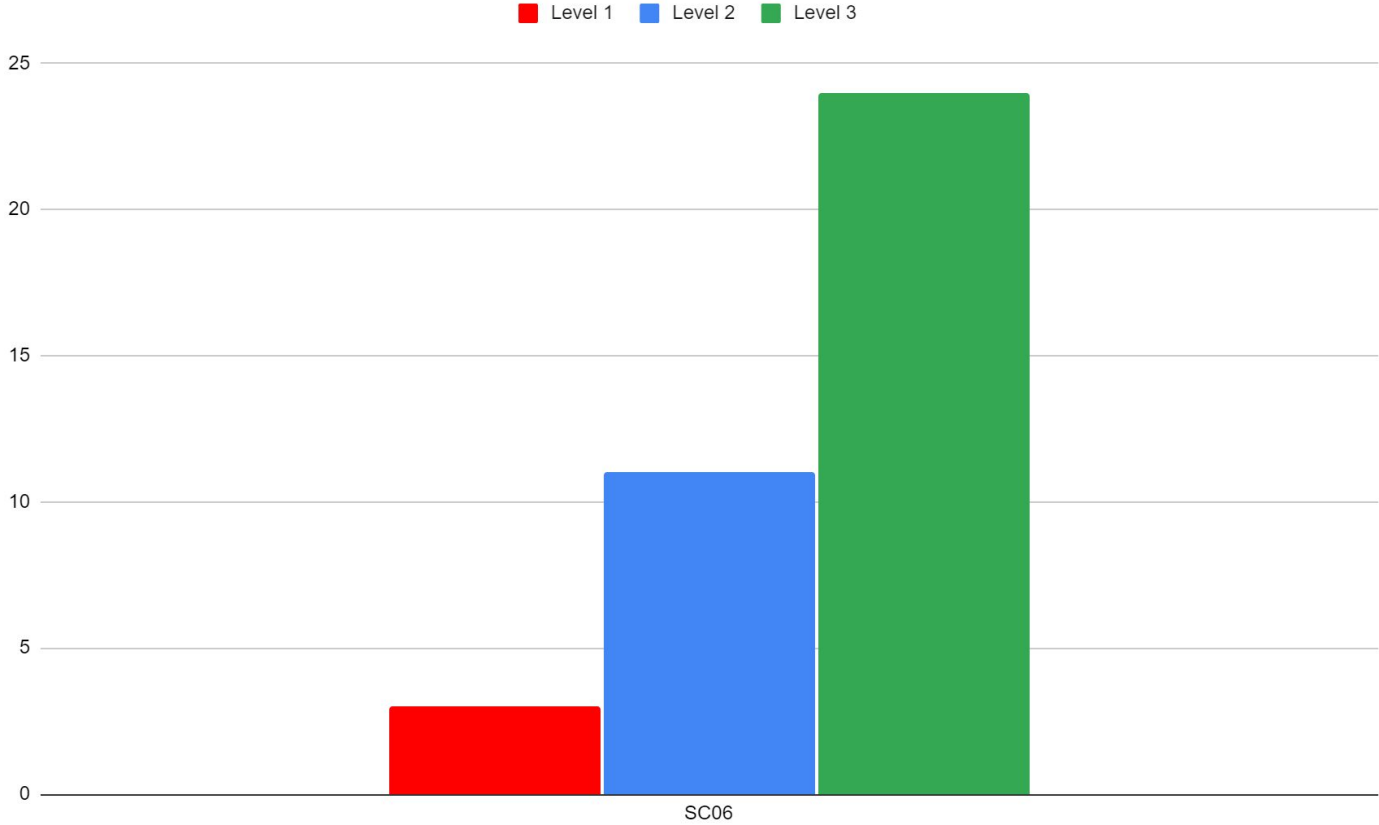
West Ridge ELA



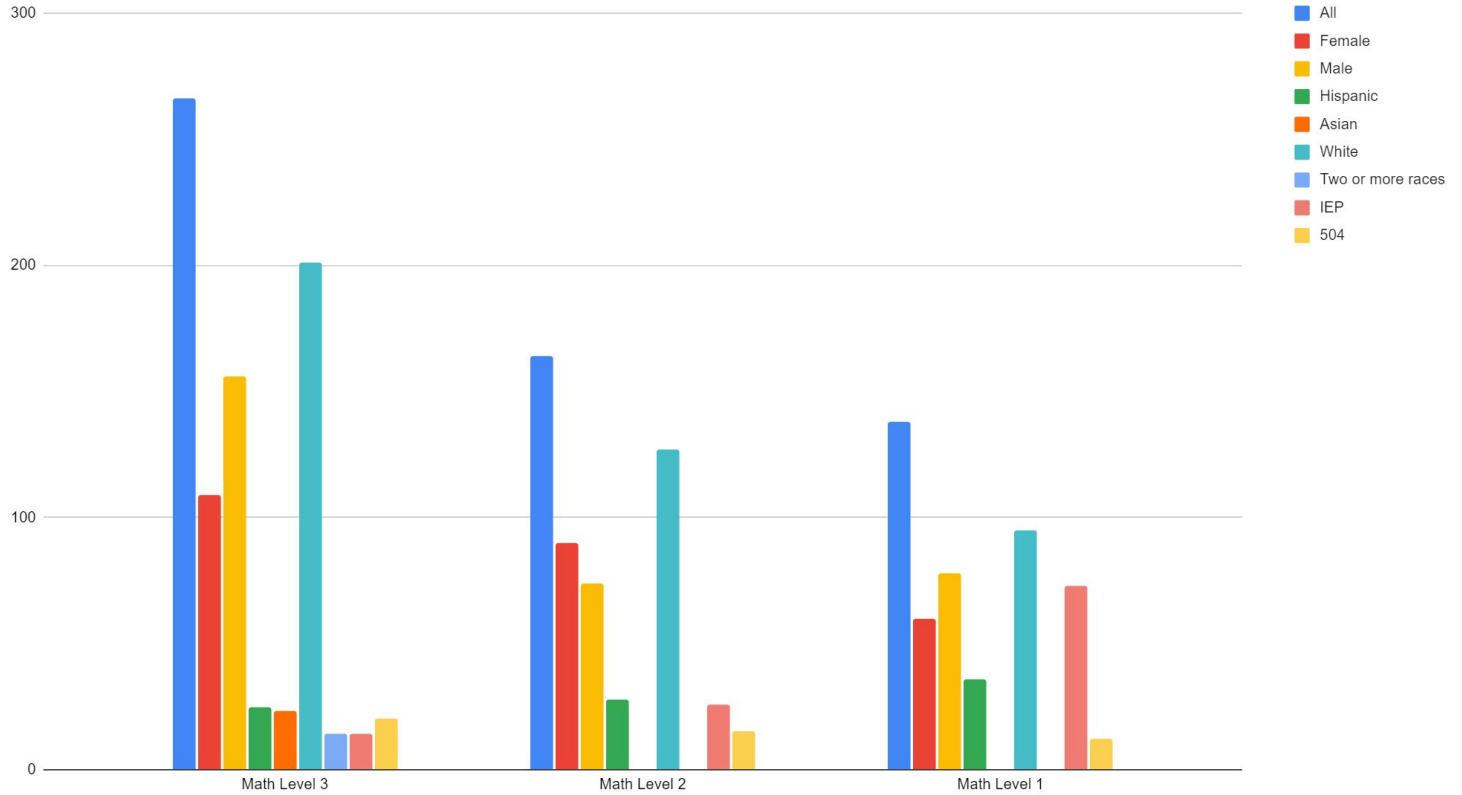
West Ridge Math



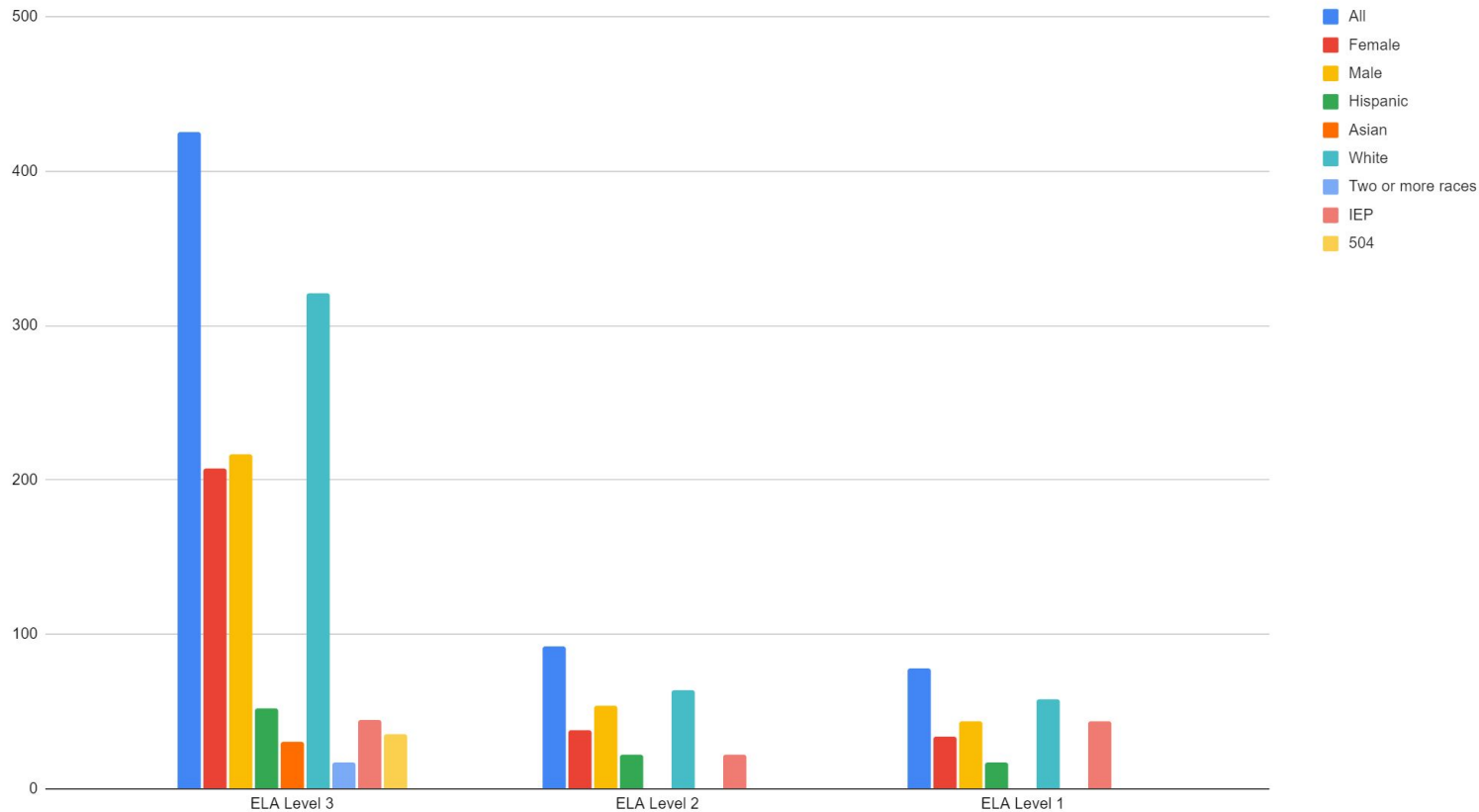
West Ridge Science



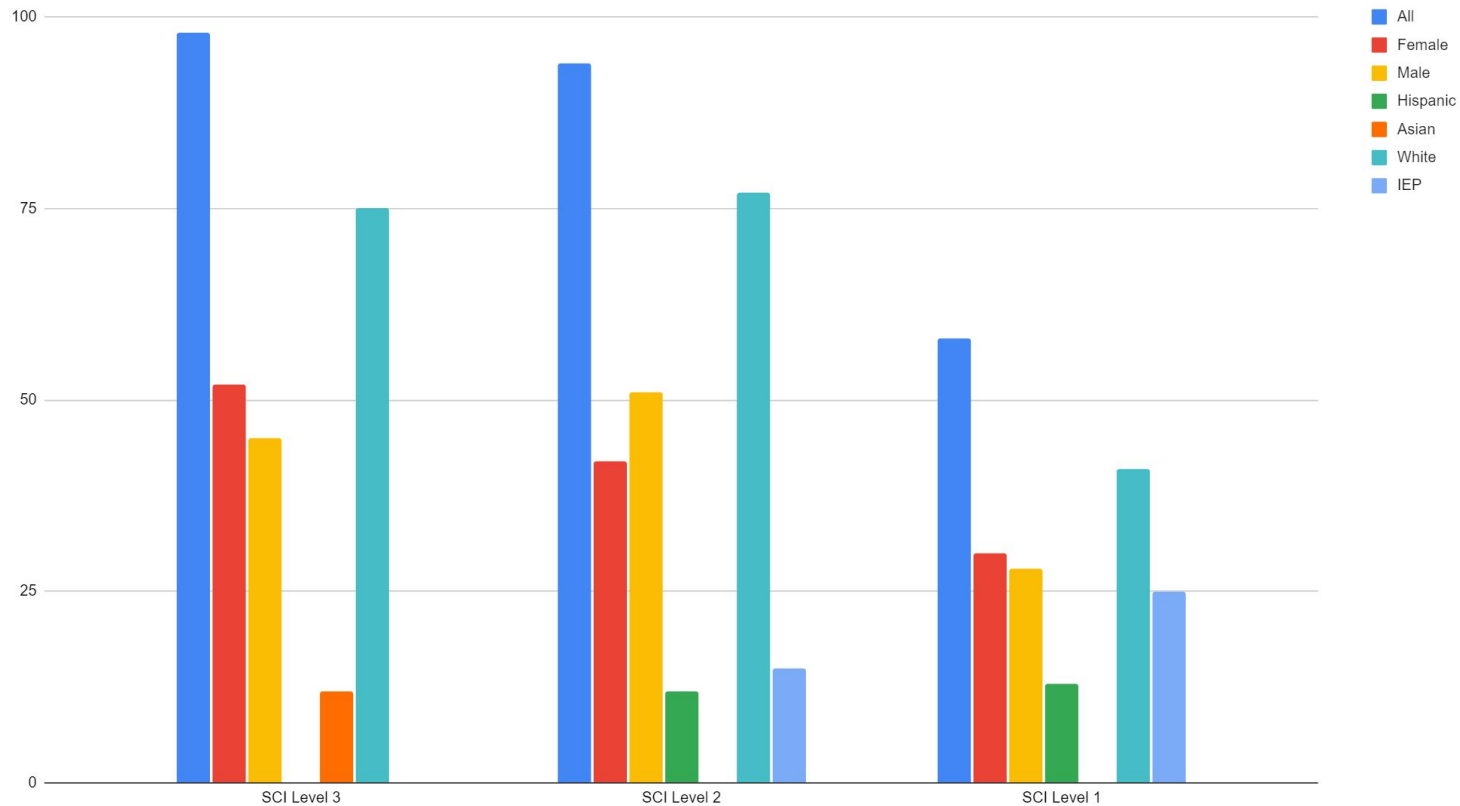
Math Score by Subgroup



ELA Scores by Sub-group



Science Scores by Subgroup



Recent Park Ridge Initiatives

District-wide:

- Met in departments, grade-levels, and disciplines to review data
- Connected Start Strong review to our emphasis on ‘action standards’ in curricula
- Meeting time includes after-school meetings, as well as P.D. days
- Developed PLCs that incorporate grit, student motivation, small-group instruction, and formative assessment
- During August PD days, we trained the entire faculty on formative assessment
- Summer Owl Academy

School-based:

- Expanded extra-help program at elementary schools
- Implemented Evening Office Hours at high school

Questions?

Contact:

Patrick D. Bernardo

Director of Curriculum, Instruction, and Technology

201.573.6000 ext. 5409

patrickbernardo@parkridge.k12.nj.us
