

District Performance Report

Start Strong:
Fall 2021



January 2022





Start Strong

Grades 4-10

ELA

Math, Algebra I, Geometry and
Algebra II

Grades 6, 9, 12

Science



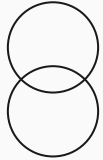
Fall 2021



* What is the context for Start Strong assessments?

Start Strong Fall 2021 assessments **do**:

- ❑ Serve as New Jersey's federally required assessments in ELA, Mathematics and Science for the 2020-2021 school year.
- ❑ Provide additional information to be used as a complement to the other assessment and resources used by educators in their classrooms to evaluate the needs of students. E.g NWEA MAP, grade level or course assessments, etc.



Fall 2021



* What is the context for Start Strong assessments?

Start Strong Fall 2021 assessments **do not**:

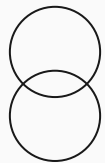
- ❑ Replace local standards-based benchmark assessments districts may already have in place.
- ❑ Replace the spring 2022 New Jersey Student Learning Assessments (NJSLA) statewide summative assessments or are predictive of their results.

The spring NJSLA schedule will resume for the 2021-2022 school year.



Fall 2021





What is the test design for Start Strong assessments?

Administered on computer through Pearson Access Next platform

- ☐ All machine scorable questions
- ☐ Results available immediately



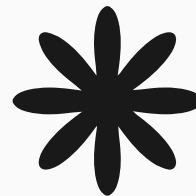
45-60 minutes in duration

In, B-R Grades 4-6, 9, 10, 12 administered in October

Grades 7-8 administered in November





October- November 2021



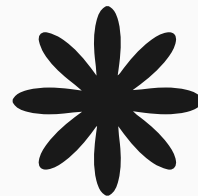


What is the test design for Start Strong assessments?

Questions based on subset of prioritized prior grade, grade band or course standards

-  Example: Grade 5 ELA Start Strong assessment is aligned to a subset of the NJSLs for Grade 4 ELA.
- Example: Algebra I Start Strong assessment is aligned to Grade 8 learning standards relevant to algebraic concepts.
-  Used released high-quality items from the NJSLA item bank

October- November 2021





Sample Questions

Grade 4 Mathematics 3.OA.A.3

Ava uses stickers to decorate picture frames. She has a total of 60 stickers. She uses 10 stickers on each picture frame. When she uses all of her stickers, how many picture frames does Ava decorate? Enter your answer in the box. _____ picture frames

Grade 7 ELA RL.6.1:L.6.4:RL.6.4

Part A

Based on paragraphs 11 and 12, what does the word corpulent mean?

- A. intelligent
- B. hungry
- C. strong
- D. plump

Part B

Which phrase from paragraph 12 best supports the answer to Part A?

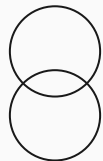
- A. "... isn't an ounce of fat on me ..."
- B. "... uninformed veterinarian ..."
- C. "... cat food ..."
- D. "... doesn't know muscle ..."

Grade 12 Science PACI:PS3.A:C and E

Identify the variables that should be measured to determine the relative change in energy within a bicycle tire if air molecules continue to be added once the pump handle becomes harder to push down.

Select **two** of the five variables.

- A. the change in tire pressure
- B. the volume of the bicycle tire
- C. the shape of the air molecules
- D. the dimensions of the bicycle pump
- E. the change in temperature of the tire



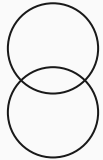
* How are we using Start Strong results?

Reports show three levels of support needed

- Strong Support May Be Needed
- Some Support May Be Needed
- Less Support May Be Needed

Helps in determining learning needs

- Accelerated learning
- Individual, Small Group or Whole Class
- Curricula Pacing



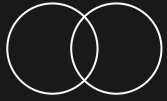
Analysis of questions can help zero in on specific standards that need to be revisited so students can access grade level content



The impact of Covid-19 on learning and testing should be considered when examining and reporting results. Comparisons and predictions should not be made.



October 2021- January 2022



Student Results

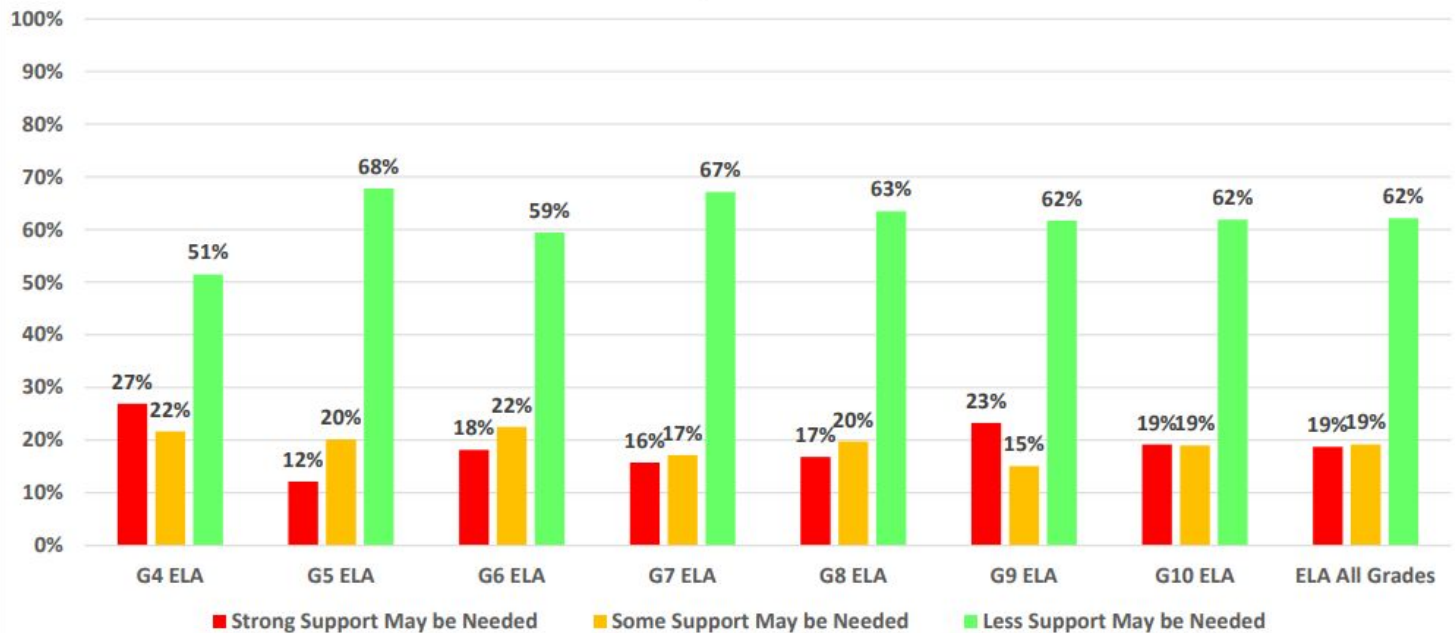


BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong

ELA/Language Arts

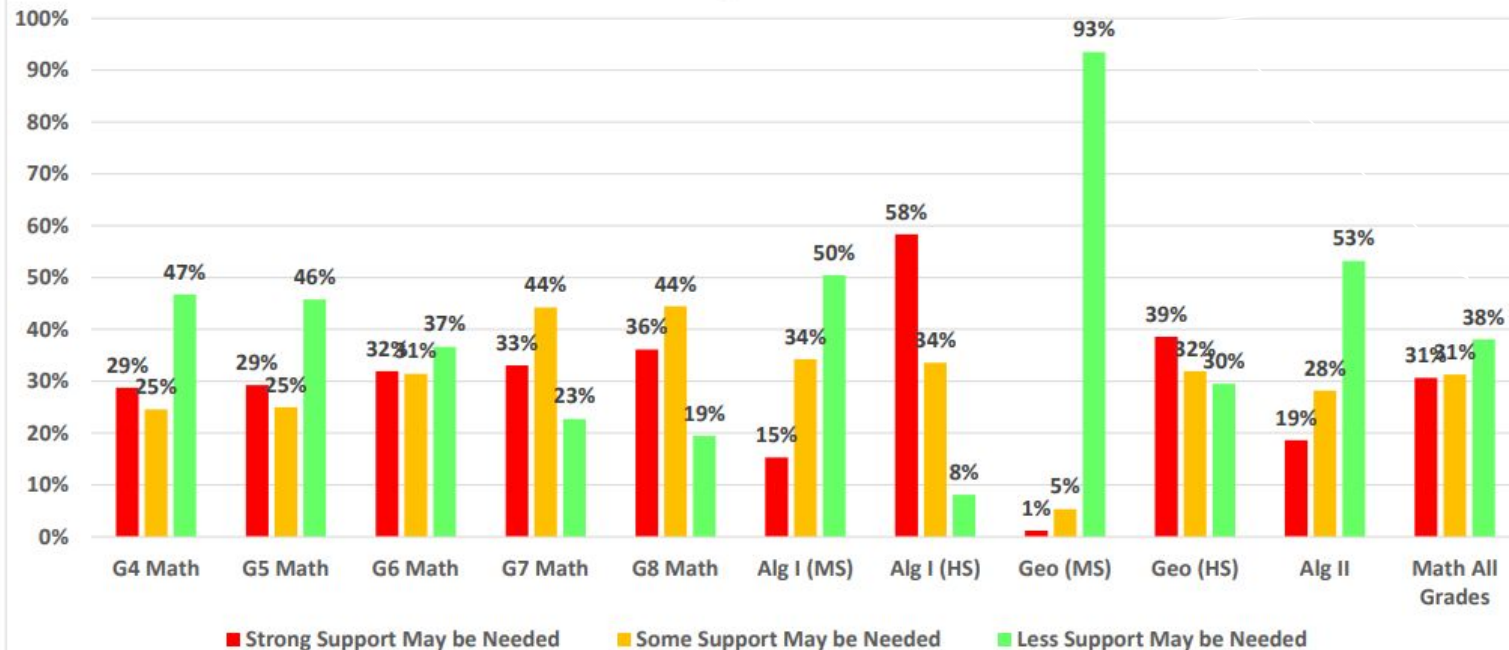
Distribution by Achievement Level



BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong Mathematics

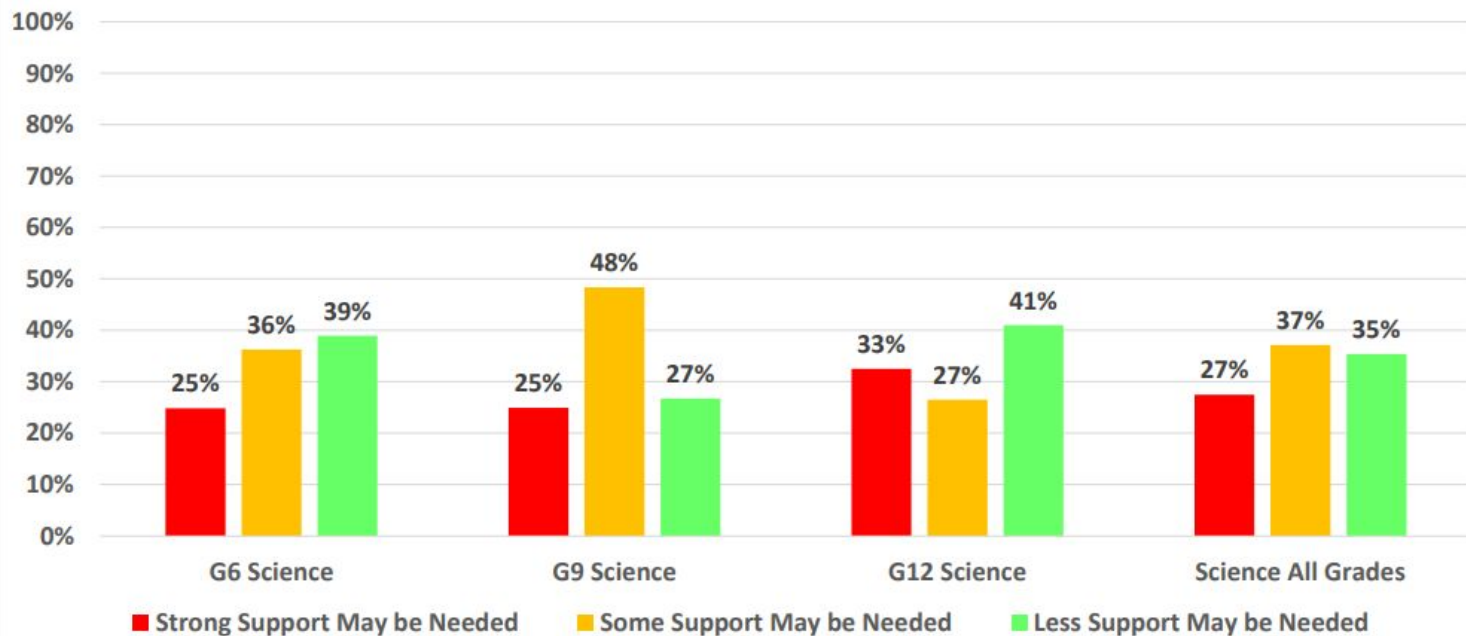
Distribution by Achievement Level

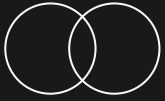


BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong Science

Distribution by Achievement Level





School Analysis



BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong

ELA/Language Arts Grade 4

School Comparison

School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Crim PS	77	15	19%	17	22%	45	58%
Milltown PS	55	15	27%	11	20%	29	53%
Bradley Gardens PS	40	12	30%	9	23%	19	48%
Van Holten PS	66	8	12%	15	23%	43	65%
Hamilton PS	132	26	20%	24	18%	82	62%
Adamsville PS	105	40	38%	22	21%	43	41%
John F. Kennedy PS	75	32	43%	21	28%	22	29%

Primary Schools Grade 4 ELA

BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong

Mathematics Grade 4

School Comparison

School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Crim PS	77	16	21%	29	38%	32	42%
Milltown PS	55	11	20%	13	24%	31	56%
Bradley Gardens PS	40	6	15%	11	28%	23	58%
Van Holten PS	66	14	21%	17	26%	35	53%
Hamilton PS	132	29	22%	19	14%	84	64%
Adamsville PS	105	45	43%	28	27%	32	30%
John F. Kennedy PS	75	37	49%	18	24%	20	27%

Primary Schools Grade 4 Math

Intermediate Schools Grade 5-6 ELA

BRIDGEWATER-RARITAN REG							
2021-22 Fall Start Strong							
ELA/Language Arts Grade 5							
School Comparison							
School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Hillside IS	272	30	11%	62	23%	180	66%
Eisenhower IS	335	42	13%	60	18%	233	70%

BRIDGEWATER-RARITAN REG							
2021-22 Fall Start Strong							
ELA/Language Arts Grade 6							
School Comparison							
School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Hillside IS	267	49	18%	66	25%	152	57%
Eisenhower IS	327	58	18%	68	21%	201	61%

Intermediate Schools Grade 5-6 Math

BRIDGEWATER-RARITAN REG							
2021-22 Fall Start Strong							
Mathematics Grade 5							
School Comparison							
School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Hillside IS	273	79	29%	78	29%	116	42%
Eisenhower IS	335	97	29%	75	22%	163	49%

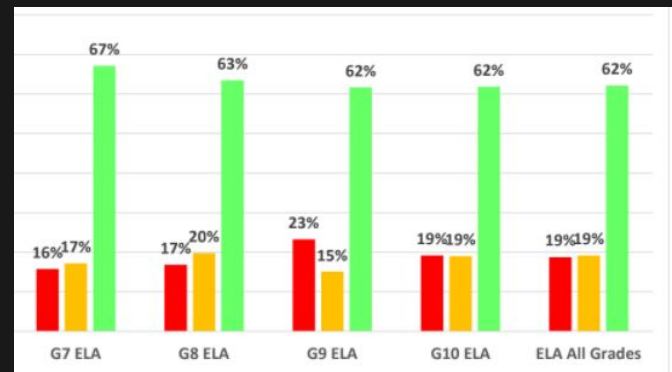
BRIDGEWATER-RARITAN REG							
2021-22 Fall Start Strong							
Mathematics Grade 6							
School Comparison							
School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Hillside IS	269	95	35%	88	33%	86	32%
Eisenhower IS	327	95	29%	99	30%	133	41%

Intermediate Schools Grade 6 Science

BRIDGEWATER-RARITAN REG							
2021-22 Fall Start Strong							
Science Grade 6							
School Comparison							
School	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	2021-22	2021-22	2021-22	2021-22	2021-22
		# of students	% of total	# of students	% of total	# of students	% of total
Hillside IS	268	69	26%	100	37%	99	37%
Eisenhower IS	327	78	24%	116	35%	133	41%

BRIDGEWATER-RARITAN REG
2021-22 Fall Start Strong
ELA/Language Arts

Grade	Total # students Tested	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22 # of students	2021-22 % of total	2021-22 # of students	2021-22 % of total	2021-22 # of students	2021-22 % of total
4	550	148	27%	119	22%	283	51%
5	611	74	12%	129	21%	414	68%
6	596	108	18%	134	22%	354	59%
7	705	111	16%	121	17%	473	67%
8	684	115	17%	135	20%	434	63%
9	671	156	23%	101	15%	414	62%
10	658	126	19%	125	19%	407	62%
All Grades	4,475	838	19%	858	19%	2,779	62%

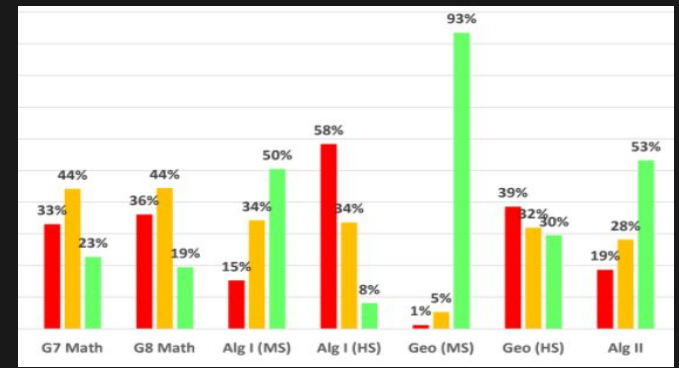


7	705	111	16%	121	17%	473	67%
8	684	115	17%	135	20%	434	63%
9	671	156	23%	101	15%	414	62%
10	658	126	19%	125	19%	407	62%
All Grades	4,475	838	19%	858	19%	2,779	62%

Middle School and High School ELA

BRIDGEWATER-RARITAN REG
2021-22 Fall Start Strong
Mathematics

Grade	Total # students	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22 # of students	2021-22 % of total	2021-22 # of students	2021-22 % of total	2021-22 # of students	2021-22 % of total
5	550	158	29%	135	25%	260	47%
6	632	179	28%	158	25%	295	47%
7	592	166	28%	133	23%	293	50%
8	396	143	36%	103	26%	150	38%
Alg I (MS)	321	49	15%	110	34%	162	51%
Alg I (HS)	408	238	58%	137	34%	33	8%
Geo (MS)	169	2	1%	9	5%	158	93%
Geo (HS)	498	192	39%	159	32%	147	30%
Alg II	639	119	19%	180	28%	340	53%
All Grades	4,693	1,437	31%	1,469	31%	1,787	38%

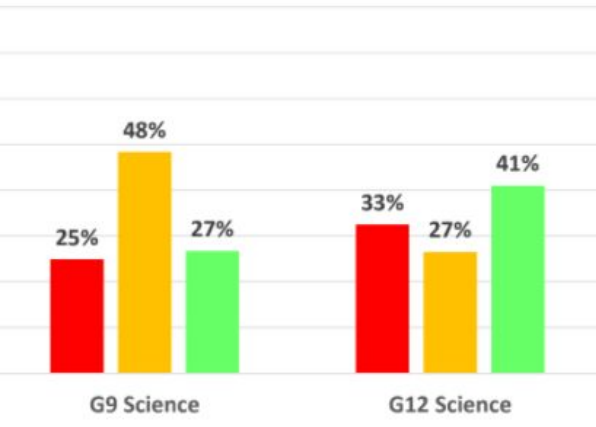


7	502	166	33%	222	44%	114	23%
8	396	143	36%	176	44%	77	19%
Alg I (MS)	321	49	15%	110	34%	162	50%
Alg I (HS)	408	238	58%	137	34%	33	8%
Geo (MS)	169	2	1%	9	5%	158	93%
Geo (HS)	498	192	39%	159	32%	147	30%
Alg II	639	119	19%	180	28%	340	53%
All Grades	4,693	1,437	31%	1,469	31%	1,787	38%

Middle School and High School Math

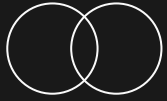
BRIDGEWATER-RARITAN REG
2021-22 Fall Start Strong
Science

Grade	Total # students	Support Levels					
		Strong Support May be Needed (Level 1)		Some Support May be Needed (Level 2)		Less Support May be Needed (Level 3)	
		2021-22	% of total	2021-22	% of total	2021-22	% of total
6	596	148	25%	216	36%	232	39%
9	662	165	25%	320	48%	177	27%
12	649	211	33%	172	27%	266	41%
All Grades	1,907	524	27%	708	37%	675	35%



9	662	165	25%	320	48%	177	27%
12	649	211	33%	172	27%	266	41%
All Grades	1,907	524	27%	708	37%	675	35%

Middle School and High School Science

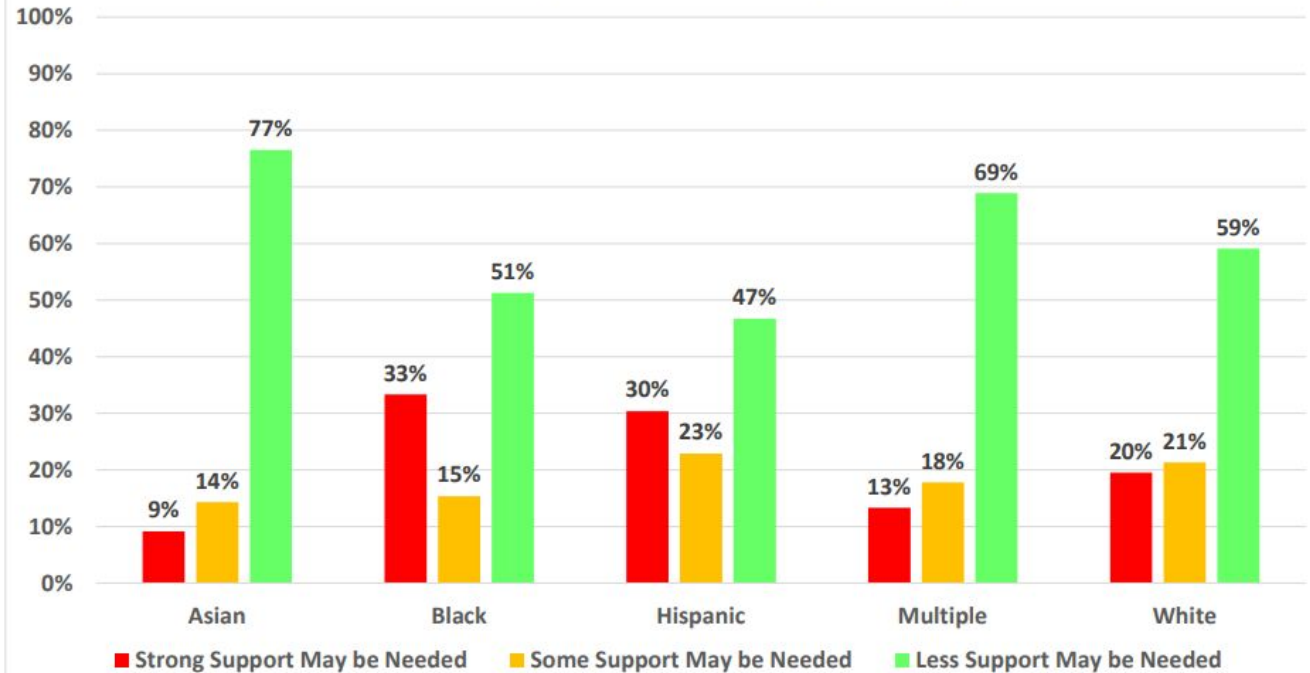


Demographic Analysis



BRIDGEWATER-RARITAN REG
2021-22 Fall Start Strong Performance by Subgroup **Race**
ELA/Language Arts

Distribution by Achievement Level (All Grades)

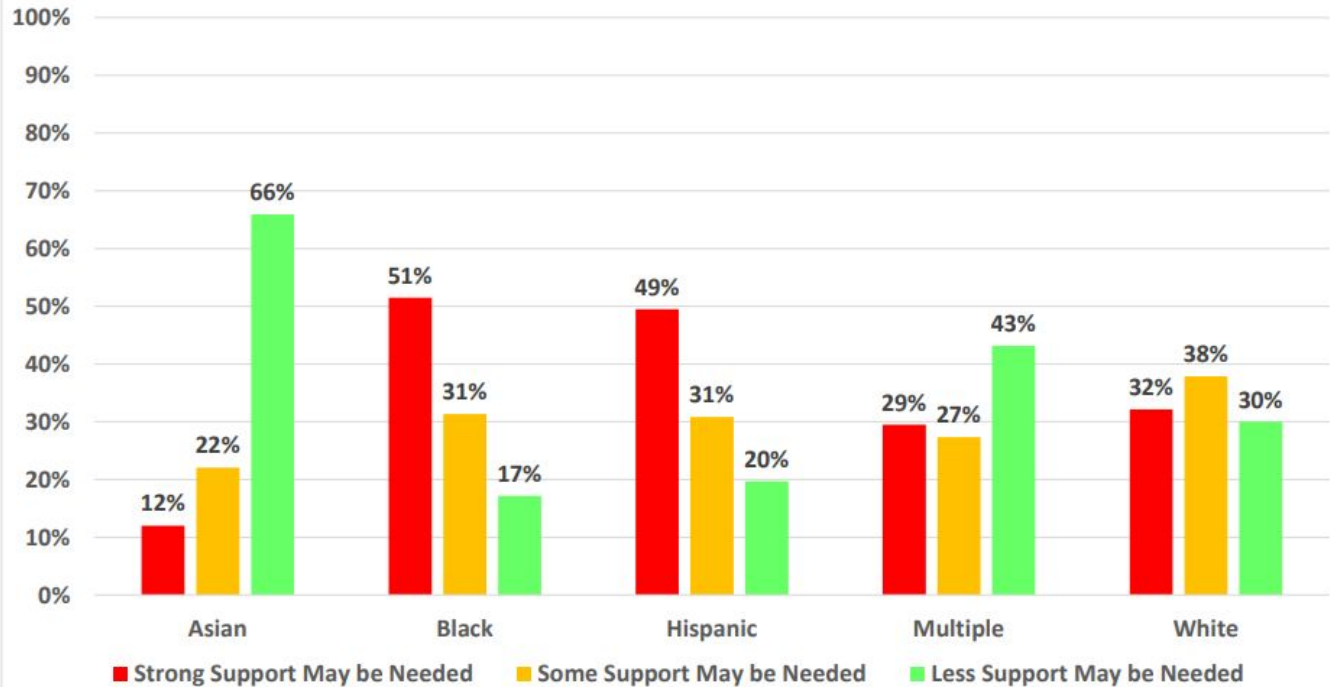


Race

Race

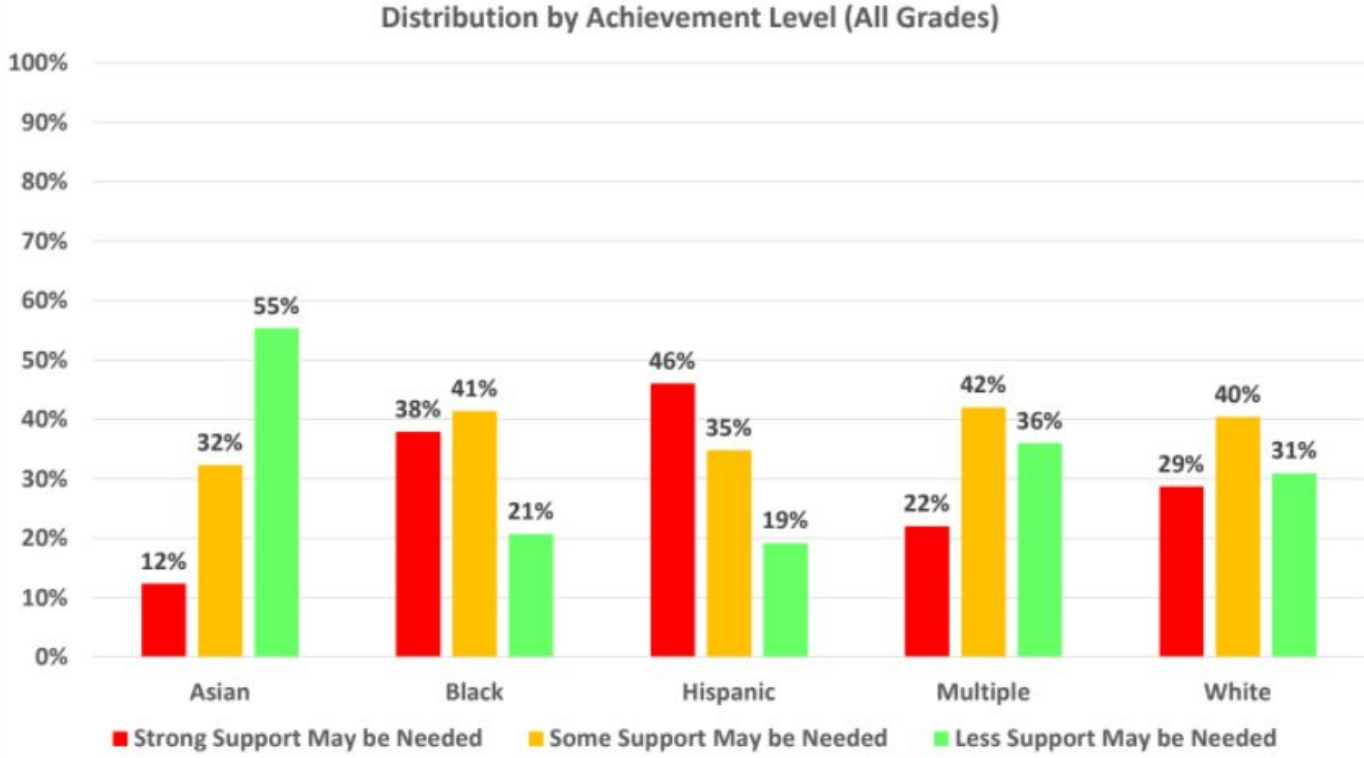
BRIDGEWATER-RARITAN REG 2021-22 Fall Start Strong Performance by Subgroup Race Mathematics

Distribution by Achievement Level (All Grades)

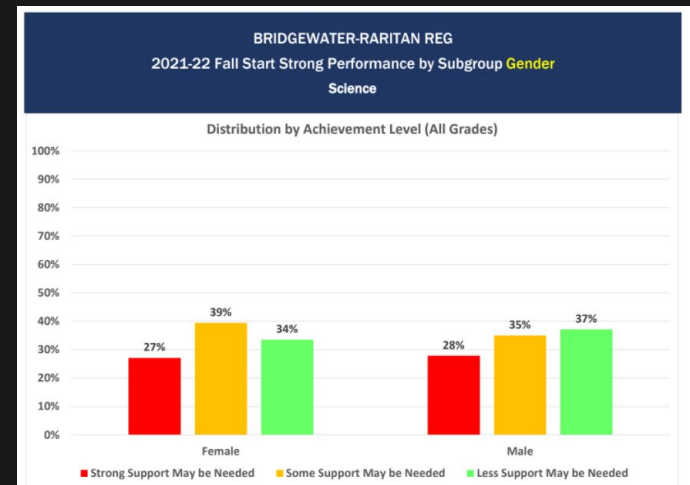
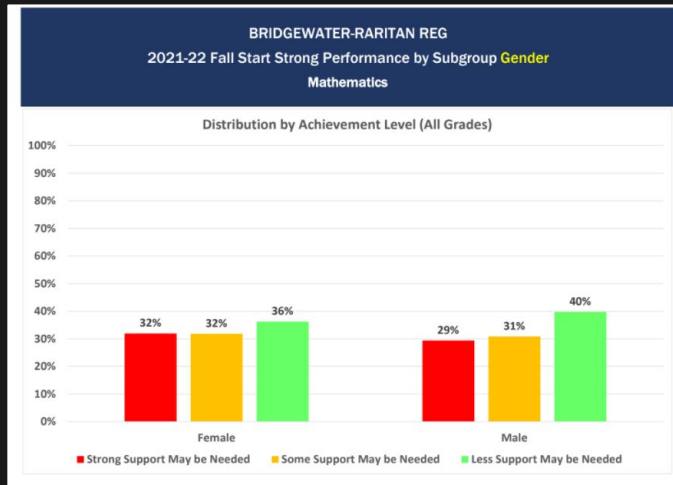
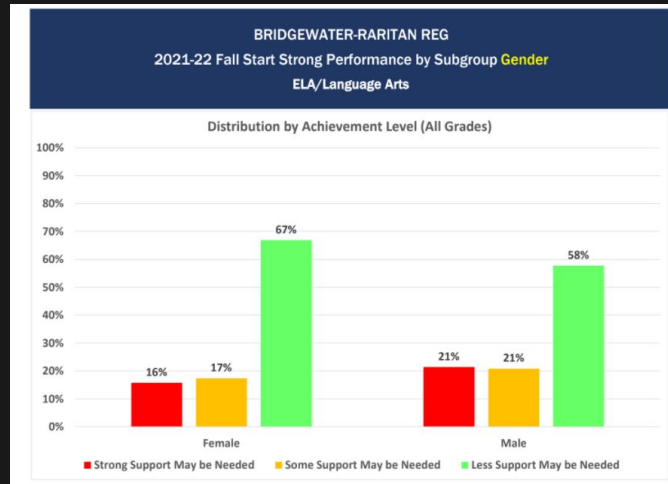


Race

BRIDGEWATER-RARITAN REG 2021-22 Fall Start Strong Performance by Subgroup Race Science



Gender



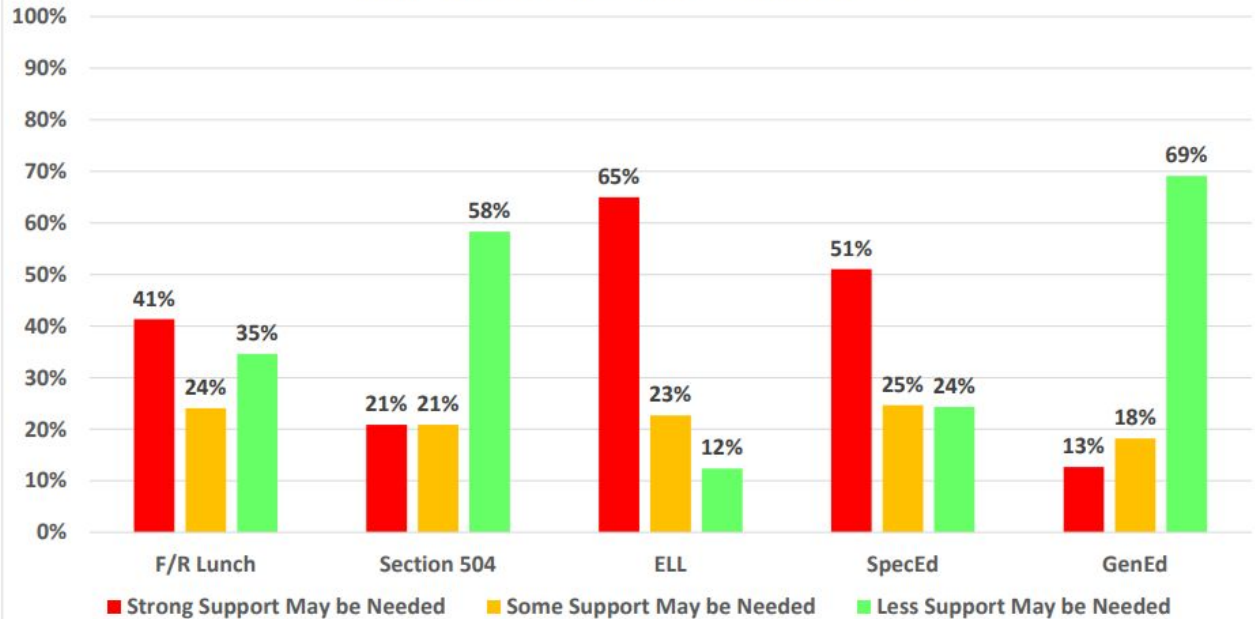
Program

BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong Performance by Subgroup Program

ELA/Language Arts

Distribution by Achievement Level (All Grades)



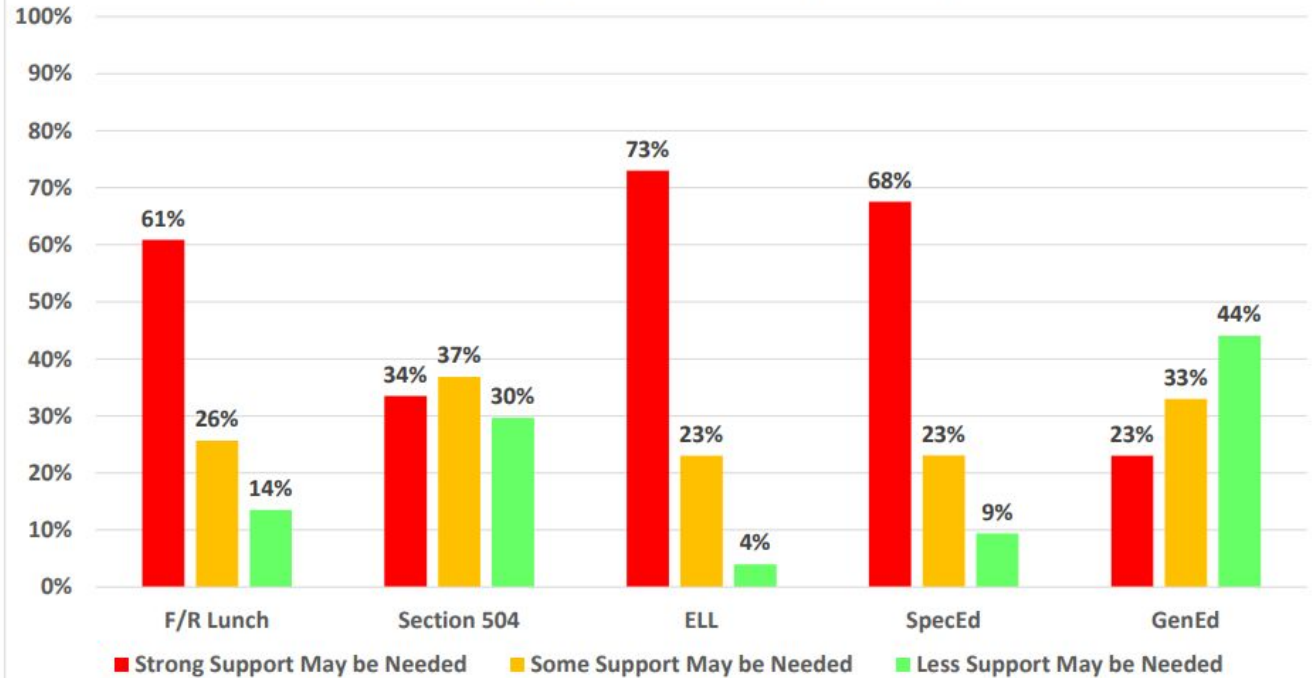
Program

BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong Performance by Subgroup Program

Mathematics

Distribution by Achievement Level (All Grades)



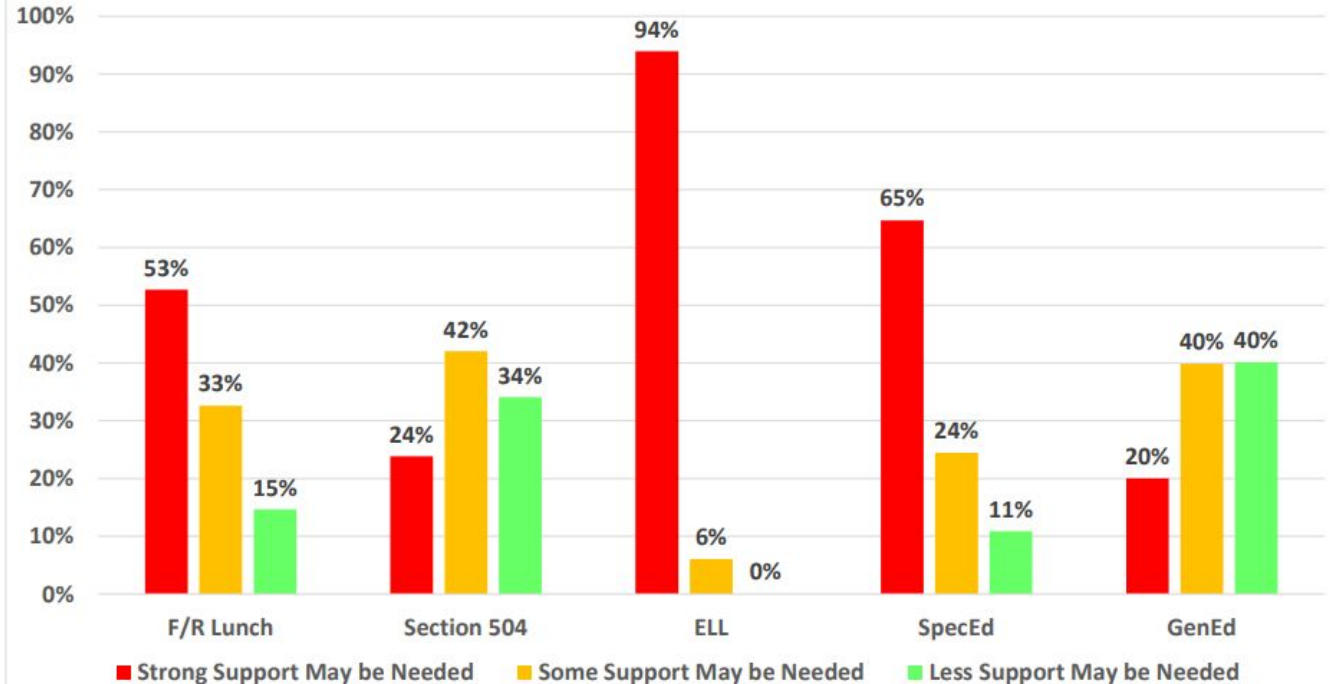
Program

BRIDGEWATER-RARITAN REG

2021-22 Fall Start Strong Performance by Subgroup Program

Science

Distribution by Achievement Level (All Grades)





What are the big takeaways?

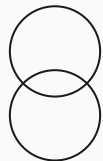
OVERALL

Students had the highest percentage of success in ELA.

- ❑ At every grade level, over 50% of students showed less need for support.

Student performance varied by grade level and course in Mathematics, but in general, students need more support.

- ❑ Students working above grade level showed the need for less support while students working on grade level showed the need for more support.



Given the recent changes to the NJSLA-Science, student performance in Science should be considered along with their performance on other course assessments.

- ❑ Another point to consider is that the science content tested is taken from the prior grade band (Grades 3-5, 6-8, 9-12).



* What are the big takeaways?

BY DEMOGRAPHICS

RACE

- ❑ Math and Science reflect similar trends in student performance across race subgroups.
 - ❑ Asian students had the strongest performance across all content areas.
 - ❑ Black and Hispanic students had the greatest need for more support in all content areas, but had stronger performance in ELA.

GENDER

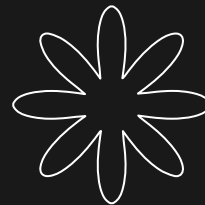
- ❑ Across all content areas, females and males performed similarly.
 - ❑ Females performed slightly better than males in ELA.
 - ❑ Females and males performed comparably in science and math.

PROGRAM



The subgroups of ELL, Special Education and Economically Disadvantaged showed the greatest need for More Support across all assessments.





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2022

