Start Strong:
Fall 2021 Administrations

Shrewsbury Borough School District
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Support in Identifying Student Needs

When Interpreting Start Strong Data We MUST Keep in Mind the Following Considerations…

Note from NJDOE: The test design, which allowed for ***shortened testing time*** and ***immediate results***, means that Start Strong results must be interpreted and **used differently** than NJSLA results. They **do not cover the breadth and depth** of standards as seen on the NJSLA and do not support the same comparisons or inferences about student proficiency."

- Were administered **quickly**, in person, and provided i**mmediate** results.
- Based on a **SUBSET** of **prioritized prior-year** academic standards to provide a data point on the level of support a student may need to engage in current grade-level standards.
  - *NOTE: The Start Strong Assessment for Algebra 1 contains more items from the Grade 8 learning standards relevant to algebraic concepts, but included others (ex. Pythagorean Theorem)*
- Used **released** high-quality items from the NJSLA item bank (students and students may have seen then before)

Considerations Continued…

- When publicly reporting assessment results, **consider the impacts of COVID-19** on learning and testing conditions, as well as the impact on student participation in the assessments, which were administered in person.
- Districts **should not** compare any individual student/school/district Start Strong data to any state-level data for Start Strong, nor should comparisons be made to any NJSLA data.
- Please note that the Start Strong assessments **were not designed to predict future student performance** on the NJSLA, nor was it designed to estimate what score a student would have received if they had taken the NJSLA in spring 2021.

Consideration Example
ELA

- Only **10 questions** per grade level
- Writing was **NOT** assessed
- Number AND Type of Standards assessed Depended on Grade Level

Grade	Vocabulary	Reading Literature	Reading Informational
4	L.3.4.A	RL.3.1, RL.3.2, RL.3.3, RL.3.7	RI.3.1, RI.3.2, RI.3.4
5	L.4.4.A, L.4.5	RL.4.1, RL.4.2, RL.4.3, RL.4.4	RI.4.1, RI.4.2, RI4.3, RI4.4, RI.4.5
6	L.5.4.A, L.5.5.A	RL.5.1, RL.5.2, RL.5.3, RL. 5.4, RL.5.5	RI.5.1, RI.5.3, RI.5.4, RI.5.8
7	L.6.4	RL.6.1, RL.6.4, RL.6.6	RI.6.1, RI.6.3, RI.6.4, RI.6.5, RI.6.6, RI.6.8
8	L.7.4, L.7.5	RH.7.2, RH.7.3, RL.7.1, RL.7.2, RL.7.3	RI.7.1, RI.7.3, RI.7.4,

Shrewsbury Borough School District
Number of Students Tested
Start Strong Fall 2021 Administrations

English Language Arts	Students Tested	Mathematics	Students Tested	Science	Students Tested
ELA04	51	MAT04	51		
ELA05	31	MAT05	31		
ELA06	48	MAT06	48	SC06	48
ELA07	56	MAT07	56		
ELA08	34	MAT08	19		
		Algebra I	15		
Total	220	Total	220	Total	48

Note: "Students Tested" represents individual valid test scores for English Language Arts, Mathematics and Science

Shrewsbury Borough School District's
Start Strong Fall 2021 Administrations
English Language Arts – Support Levels

Grade	Strong Support Needed (Count)	Strong Support Needed (Percentage)	Some Support Needed (Count)	Some Support Needed (Percentage)	Less Support Needed (Count)	Less Support Needed (Percentage)
4	10	**20%**	9	18%	**32**	**63%**
5	4	**13%**	10	32%	**17**	**55%**
6	7	**15%**	7	15%	**34**	**71%**
7	6	**11%**	17	30%	**33**	**59%**
8	2	**6%**	2	6%	**30**	**88%**
Total	29	**13%**	45	29%	**146**	**66%**

Shrewsbury Borough School District's
Start Strong Fall 2021 Administrations
Mathematics – Support Levels

Grade	Strong Support Needed (Count)	Strong Support Needed (Percentage)	Some Support Needed (Count)	Some Support Needed (Percentage)	Less Support Needed (Count)	Less Support Needed (Percentage)
4	9	**18%**	5	10%	**37**	**73%**
5	7	**23%**	13	42%	**11**	**35%**
6	7	**15%**	11	23%	**30**	**63%**
7	3	**5%**	24	43%	**29**	**52%**
8*	3	**16%**	6	32%	**10**	**53%**
Algebra I	0	**0%**	2	13%	**13**	**87%**
All Grades	29	**13%**	61	28%	**130**	**59%**

*Approximately 30,000 New Jersey students in grade 8 participated in the Algebra I assessment. Thus, Math 8 outcomes are not representative of grade 8 performance as a whole.

Shrewsbury Borough School District's
Start Strong Fall 2021 Administrations
Science – Support Levels

Grade	Strong Support Needed (Count)	Strong Support Needed (Percentage)	Some Support Needed (Count)	Some Support Needed (Percentage)	Less Support Needed (Count)	Less Support Needed (Percentage)
6	9	**19%**	13	**27%**	26	**54%**

Notable Achievements: Comparing State Scores

"About half of all New Jersey students in grades 4 through 6 began this school year in need of "strong support" to catch up in math. More than 60% of students enrolled in Algebra 1 may have fallen behind. "
New test scores show COVID's staggering impact on student learning
nj.com, 1.5.22

Grade/ Course	Level 1: Strong Support May Be Needed		Level 2: Some Support May Be Needed		Level 3: Less Support May Be Needed	
	ELA	Math	ELA	Math	ELA	Math
Grade 4	41.5%	49.3%	21.8%	22.2%	36.7%	28.5%
Grade 5	26.9%	55.0%	25.3%	21.0%	47.8%	24.0%
Grade 6	33.1%	53.7%	26.2%	24.3%	40.7%	22.1%
Grade 7	28.2%	42.5%	24.5%	33.0%	47.3%	24.4%
Grade 8	30.6%	47.0%	19.9%	34.8%	49.5%	18.1%
Grade 9	31.7%	-	14.8%	-	53.5%	-
Grade 10	25.9%	-	19.5%	-	54.6%	-
Algebra 1	-	60.4%	-	24.0%	-	15.6%
Geometry	-	47.3%	-	23.8%	-	29.0%
Algebra 2	-	30.9%	-	28.9%	-	40.2%

ELA Peninsula Comparison

	Peninsula District Percentage by Category of Support - ELA		
District	Needs Strong Suppor	Needs Some Support	Needs Less Support
FH 4th	10%	30%	60%
LS 4th	13%	21%	66%
Rum 4th	10%	21%	69%
Shrews 4th	19%	17%	64%
FH 5th	11%	16%	73%
LS 5th	3%	20%	77%
Rum 5th	3%	20%	77%
Shrews 5th	16%	31%	53%
FH 6th	15%	24%	61%
LS 6th	11%	31%	58%
Rum 6th	8%	17%	75%
Shrews 6th	14%	15%	71%
FH 7th	9%	20%	71%
LS 7th	15%	14%	70%
Rum 7th	4%	22%	74%
Shrews 7th	12%	30%	58%
FH 8th	8%	17%	75%
LS 8th	7%	8%	85%
Rum 8th	5%	5%	90%
Shrews 8th	6%	6%	88%

Math Peninsula Comparison

	Peninsula District Percentage by Category of Support - Math		
District	Needs Strong Support	Needs Some Support	Needs Less Support
FH 4th	6%	33%	61%
LS 4th	5%	24%	71%
Rum 4th	9%	22%	68%
Shrews 4th	18%	10%	71%
FH 5th	14%	28%	58%
LS 5th	15%	18%	66%
Rum 5th	3%	16%	81%
Shrews 5th	25%	38%	37%
FH 6th	13%	32%	55%
LS 6th	18%	30%	52%
Rum 6th	11%	18%	71%
Shrews 6th	15%	23%	62%
FH 7th	7%	34%	59%
LS 7th***	14%	35%	51%
Rum 7th	9%	26%	66%
Shrews 7th	7%	42%	51%
FH 8th	6%	22%	72%
LS 8th***	16%	30%	54%
Rum 8th	2%	15%	83%
Shrews 8th	16%	32%	52%

Math Peninsula Continued

	Peninsula District Percentage by Category of Support - Math		
District	Needs Strong Support	Needs Some Support	Needs Less Support
***LS Algebra I (14 7th Graders & 34 - 8th Graders)	0%	6%	94%
***LS Geometry (20 8th Graders)	0%	0%	100%
Shrews Algerbra I (15 Students)	0%	13%	87%
Rumson Algebra I	0%	7%	93%
Rumson Geometry	0%	0%	100%
Rumson Algebra II	0%	0%	100%

Science Peninsula Comparison

	Peninsula District Percentage by Category of Support - Science		
District	Needs Strong Support	Needs Some Support	Needs Less Support
FH 6th	18%	40%	41%
LS 6th	14%	37%	49%
Rum 6th	15%	28%	57%
Shrews 6th	19%	27%	54%

ELA
Celebrations and Reinforcements

	Celebrations	Reinforcements
Grade 4	L & RI: Determine meaning of unknown, multiple mean words;	RI: Determining main idea
Grade 5	L & RI:Determine meaning of unknown words; general academic and domain-specific	RI: Determining main idea
Grade 6	RL: Determine key ideas to identify theme and summarize	RI: analyze relationships b/w 2 or more people, events, ideas in history, science, technological text.
Grade 7	L & RI: Determine meaning of unknown words	RI: Analyze how particular sentence or paragraph fits into overall structure
Grade 8	RI: Analyze the interactions b/w indiv, events and ideas in a text	RL: how particular elements of a story or drama interact

Mathematics
Celebrations and Reinforcements

	Celebrations	Reinforcements
Grade 4	MD: tell and write time to the nearest minute and measure time intervals in minute; solve word problems OA: Use multiplication and division w/in 100 to solve word problems...	Fractions: recognize generate simple equivalent fraction; explain why fractions are equivalent
Grade 5	NBT: recognize that in a multi-digit whole number, a digit in one place represents ten times what it represents in the place to its right	**OA: Solve multistep word problems posed with whole numbers and having whole-numbered answers using the four operations, including problems in which remain
Grade 6	NBT: Find whole number quotients of whole numbers with up to 4-digit dividends and 2-digit divisors NBT: compare two decimals to thousandths using base-ten numerals, number bases and expanded forms.	MD: recognize volume as additive; find volumes of solid figures composed of two nonoverlapping right triangular prisms by adding the volumes of the nonoverlapping parts; applying this technique to real world problems

Mathematics
Celebrations and Reinforcements cont.

	Celebrations	Reinforcements
Grade 7	RP: understand the concept of a unit rate a/b associated with a ratio a:b with b ≠0...	RP: understand the concept of a ratio and use ratio language to describe a ratio relationship between two quantities
Grade 8	Fractions: Understand subtraction of rational numbers as adding the additive inverse; show distance....is absolute value of their difference; apply to real world contexts	EE: solve multi-step real life and mathematical problems with positive and negative rational numbers in any form...
Algebra I	EE: solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions...	G: Apply the Pythagorean Theorem to to find the distance between two points in a coordinate system.

Science
Celebrations and Reinforcements

	Celebrations	Reinforcements
Grade 6	Weather and Climate	Plate Tectonics and Large Scale Systems Interactions

Intervention: So What Do We Do with this Data? How Do We Use it to Impact Student Achievement?

Create a mentality that they are “all our children”

- ALL teachers are responsible for Math & ELA achievement

Teachers use Start Strong data to plan instruction within current units of study for:

- Individuals
- small group
- whole class

Teachers provide this differentiated instruction through

- I-Ready
  - Personalized Instruction
  - Tools for Instruction
  - Teacher Toolbox