

NJ Start Strong
Assessments: ELA, Math, &
Science Results
Fall 2020 Administration

IRVINGTON SCHOOL DISTRICT
DECEMBER 11, 2020

New Jersey Start Strong Assessment

- These assessment tools were designed to provide educators with an early indication of the level of support students may need for this year.
- The information would be used in conjunction with other measures to identify some potential gaps in students' understanding of the New Jersey Student Learning Standards
- Start Strong assessments are based on prior-year academic standards. They were available in:
 - English language arts (ELA) grades 4-10;
 - Mathematics grades 4-8, Algebra I, Geometry and Algebra II; and
 - Science grades 6, 9, and 12

New Jersey Start Strong Assessment Participation Rates*

- Participation rate for ELA 4-8 was 97.4%.
- Participation rate for Math 4-8 (including Algebra I was 95.1%.
- Participation rate for Algebra I, grade 8 was 90.3%.
- Participation rate for Science, grade 6 was 98.9%.
- Participation rates for ELA 9 & ELA 10 were 67.0% & 74.2%.
- Participation rates for Algebra I, Geometry, & Algebra II were 56.1%, 61.4%, & 68.8%
- Participation rates for Science 9 & Science 12 were 49.3% & 75.1%

*Participation rates were based on the number of Students Tested (individual valid test scores) and Enrollment as of the date of administration

New Jersey Start Strong Assessment

- Results were reported for each tested subject as follow:
- Strong Support may be needed
- Some Support may be needed
- Less Support may be needed

The expectation is to have less number of students reported as needed strong support

New Jersey Start Strong Assessment

Levels of Support that may be needed for ELA*

- For ELA 4, 33.2% of our students may need some and/or less support while 66.7% may need strong support
- For ELA 5, 38.4% of our students may need some and/or less support while 61.6% may need strong support
- For ELA 6, 30.5% of our students may need some and/or less support while 69.5% may need strong support
- For ELA 7, 40.5% of our students may need some and/or less support while 59.5% may need strong support
- For ELA 8, 28.1% of our students may need some and/or less support while 71.9% may need strong support
- For ELA 9, 45.6% of our students may need some and/or less support while 54.4% may need strong support
- For ELA 10, 58.7% of our students may need some and/or less support while 41.3% may need strong support

New Jersey Start Strong Assessment

Levels of Support that may be needed for Math*

- For Math 4, 42.1% of our students may need some and/or less support while 58.0% may need strong support
- For Math 5, 38.4% of our students may need some and/or less support while 61.6% may need strong support
- For Math 6, 24.5% of our students may need some and/or less support while 75.5% may need strong support
- For Math 7, 33.4% of our students may need some and/or less support while 66.6% may need strong support
- For Math 8, 26.9% of our students may need some and/or less support while 73.1% may need strong support

*Based on performance on the assessments

New Jersey Start Strong Assessment

Levels of Support that may be needed for Math*

- For 8th grade Algebra I, 68.8% of our students may need some and/or less support while 31.2% may need strong support
- For Grades 9-12, Algebra I, 58.8% of our students may need some and/or less support while 41.3% may need strong support
- For Grades 9-12, Geometry, 36.0% of our students may need some and/or less support while 64.0% may need strong support
- For Grades 9-12, Algebra II, 49.2% of our students may need some and/or less support while 50.7% may need strong support

*Based on performance on the Math assessments

Irvington School District's

Number of Students Tested for Grades 4 - 8

2020 Start Strong Assessment

Grade	Students Tested*		
	ELA	Math ¹	Science
4	520 (96.5%)	483 (89.6%)	NA
5	490 (92.1%)	489 (91.7%)	NA
	535 (99.3%)	537 (99.1%)	536 (98.9%)
7	508 (99.4%)	509 (99.6%)	NA
8	509 (99.8.0%)	420 (100.0%)	NA
8 – Algebra I	NA	93 (90.3%)	NA
Total	2,562 (97.4%)	2,532 (95.1%)	536 (98.9%)

*“Students Tested” represents individual valid test scores

% by Performance Level; % may not add up to 100 because of rounding

¹Excludes students enrolled in 8th grade Algebra I

Irvington School District's

Number of Students Tested for Grades 9 - 12

2020 Start Strong Assessment

Grade	Students Tested *					
	ELA 9	ELA 10	Algebra I	Geometry	Algebra II	Science
9	263 (71.9%)	6 (33.3%)	247 (59.5%)	21 (53.9%)	2 (100.0%)	219 (49.4%)
10	9 (30%)	257 (79.8%)	1 (4.3%)	222 (64.5%)	32 (56.1%)	NA
	0 (0.0%)	0 (0.0%)	7 (46.7%)	3 (20.0%)	226 (74.1%)	NA
12	0 (0.0%)	1 (10.0%)	2 (40.0%)	4 (44.4%)	20 (42.6%)	260 (75.1%)
Total	272 (67.0%)	264 (74.2%)	257 (56.1%)	250 (61.4%)	280 (68.8%)	479 (60.6%)

*"Students Tested" represents individual valid test scores
 % by Performance Level; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA Grade 4

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	539	520 /96.5%	347 (66.7%)	86 (16.5%)	87 (16.7%)
	42	42 /100.0%	31 (73.8%)	5 (11.9%)	6 (14.3%)
Chancellor	78	78 /100.0%	57 (73.1%)	10 (12.8%)	11 (14.1%)
Florence	117	117/100.0%)	77 (65.8%)	19 (16.2%)	21 (17.9%)
Grove	50	50 /100.0%	32 (64.0%)	7 (14.0%)	11 (22.0%)
Madison	64	64 /100.0%	37 (57.8%)	13 (20.3%)	14 (21.9%)
Mt. Vernon	94	75 / 79.8%	44 (58.7%)	.17 (22.7%)	14 (18.7%)
Thurgood Marshall	34	34 /100.0%	25 (73.5%)	6 (17.6%)	3 (8.8%)
University Elementary	60	60 /100.0%	44 (73.3%)	9 (15.0%)	7 (11.7%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA Grade 5

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	532	490 /92.1%	302 (61.6%)	94 (19.2%)	94 (19.2%)
	43	43 /100.0%	25 (58.1%)	4 (9.3%)	14 (32.6%)
Chancellor	78	78 /100.0%	57 (73.1%)	13 (16.7%)	8 (10.3%)
Florence	112	112 /100.0%	68 (60.7%)	26 (23.2%)	18 (16.1%)
Grove	60	60 /100.0%	42 (70.0%)	13 (21.7%)	5 (8.3%)
Madison	53	52 /98.1%	28 (53.8%)	11 (21.2%)	13 (25.0%)
Mt. Vernon	81	40 /49.4%	21 (52.5%)	6 (15.0%)	13 (32.5%)
Thurgood Marshall	32	32 /100.0%	16 (50.0%)	10 (31.3%)	6 (18.8%)
University Elementary	73	73 /100.0%	45 (61.6%)	11 (15.1%)	17 (23.3%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Math Grade 4 2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	539	483 /89.6%	280 (58.0%)	135 (28.0%)	68 (14.1%)
	42	42 /100.0%	22 (52.4%)	11 (26.2%)	9 (21.4%)
Chancellor	78	78 /100.0%	55 (70.5%)	17 (21.8%)	6 (7.7%)
Florence	117	91/77.8%)	53 (58.2%)	26 (28.6%)	12 (13.2%)
Grove	50	48 /96.0%	20 (41.7%)	18 (37.5%)	10 (20.8%)
Madison	64	64 /100.0%	32 (50.0%)	18 (28.1%)	14 (21.9%)
Mt. Vernon	94	66 / 70.2%	30 (45.5%)	22 (33.3%)	14 (21.2%)
Thurgood Marshall	34	34 /100.0%	24 (70.6%)	10 (29.4%)	0 (0.0%)
University Elementary	60	60 /100.0%	44 (73.3%)	13 (21.7%)	3 (5.0%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Math Grade 5

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	533	489 /91.7%	369 (75.5%)	72 (14.7%)	48 (9.8%)
	43	43 /100.0%	31 (72.1%)	5 (11.6%)	7 (16.3%)
Chancellor	78	78 /100.0%	69 (88.5%)	7 (9.0%)	2 (2.6%)
Florence	113	113 /100.0%	89 (78.8%)	15 (13.3%)	9 (8.0%)
Grove	60	60 /100.0%	49 (81.7%)	7 (11.7%)	4 (6.7%)
Madison	53	52 /98.1%	32 (61.5%)	12 (23.1%)	8 (15.4%)
Mt. Vernon	81	38 /46.9%	24 (63.2%)	10 (26.3%)	4 (10.5%)
Thurgood Marshall	32	32 /100.0%	23 (71.9%)	6 (18.8%)	3 (9.4%)
University Elementary	73	73 /100.0%	52 (71.2%)	10 (13.7%)	11 (15.1%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA Grade 6

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	539	535 /99.3%	372 (69.5%)	84 (15.7%)	79 (14.8%)
Union Ave MS	263	260 /98.9%	187 (71.9%)	37 (14.2%)	36 (13.9%)
University MS	276	275 /99.6%	185 (67.3%)	47 (17.1%)	43 (15.6%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA Grade 7

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	511	508 /99.4%	302 (59.5%)	116 (22.8%)	90 (17.7%)
Union Ave MS	250	250 /100.0%	135 (54.0%)	69 (27.6%)	46 (18.4%)
University MS	261	258 /98.9%	167 (64.7%)	47 (18.2%)	44 (17.1%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA Grade 8

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	510	509 /99.8%	366 (71.9%)	53 (10.4%)	90 (17.7%)
Union Ave MS	266	265 /99.6%	191 (72.1%)	28 (10.6%)	46 (17.4%)
University MS	244	244 /100.0%	175 (71.7%)	25 (10.2%)	44 (18.0%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Math Grade 6

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	542	537 /99.1%	405 (75.4%)	81 (15.1%)	51 (9.5%)
Union Ave MS	266	261 /98.1%	195 (74.7%)	39 (14.9%)	27 (10.3%)
University MS	276	276 /100.0%	210 (76.1%)	42 (15.2%)	24 (8.7%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Math Grade 7

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	511	509 /99.6%	339 (66.6%)	96 (18.9%)	74 (14.5%)
Union Ave MS	250	250 /100.0%	175 (70.0%)	44 (17.6%)	31 (12.4%)
University MS	261	259 /99.2%	164 (63.3%)	52 (20.1%)	43 (16.6%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Math Grade 8¹

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	420	420 /100.0%	307 (73.1%)	94 (22.4%)	19 (4.5%)
Union Ave MS	221	221 /100.0%	161 (72.9%)	47 (21.3%)	13 (5.9%)
University MS	199	199 /100.0%	146 (73.4%)	47 (23.6%)	6 (3.0%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

¹Exclude students enrolled in 8th grade Algebra I

Irvington School District's

Number of Students by Performance Level for Algebra I Grade 8 2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	103	93 /90.3%	29 (31.2%)	43 (46.2%)	21 (22.6%)
Union Ave MS	46	46 /95.7%	18 (39.1%)	16 (34.8%)	12 (26.1%)
University MS	57	47 /82.5%	11 (23.4%)	27 (57.4%)	9 (19.1%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding)

Irvington School District's

Number of Students by Performance Level for Algebra I 2020 Start Strong Assessment

Grades 8-12

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	509	350 /68.8%	180 (51.4%)	119 (34.0%)	51 (14.6%)
Union Ave MS	46	46 /100.0%	18 (39.1%)	16 (34.8%)	12 (26.1%)
University MS	57	47 /82.5%	11 (23.4%)	27 (57.4%)	9 (19.1%)
Irvington HS	458	257 /56.1%	151 (58.8%)	76 (29.6%)	30 (11.7%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Science - Grade 6

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	542	536 /98.9%	448 (83.6%)	63 (11.8%)	25 (4.7%)
Union Ave MS	266	260 /97.7%	223 (85.8%)	22 (8.5%)	15 (5.8%)
University MS	276	276 /100.0%	225 (81.5%)	41 (14.9%)	10 (3.6%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Science 2020 Start Strong Assessment

Grades 6, 9, &12

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	542	536 /98.9%	448 (83.6%)	63 (11.8%)	25 (4.7%)
Grade 9	443 ¹	219 /49.4%	157 (71.7%)	60 (27.4%)	2 (0.9%)
Grade 12	347 ²	260 /74.9%	200 (76.9%)	30 (11.5%)	30 (11.5%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

¹Target grade for Integrated Science

²12th grade students who were expected to test regardless of enrollment in a Science course. Hence participation rate will be skewed

Irvington School District's

Number of Students by Performance Level for Algebra I 2020 Start Strong Assessment

Grades 9-12

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	415	247 /59.5%	145 (58.7%)	73 (29.6%)	29 (11.7%)
Grade 10	23	1 /4.3%	1 (100.0%)	0 (0.0%)	0 (0.0%)
Grade 11	15	7 /46.7%	4 (57.1%)	2 (28.6%)	1 (14.3%)
Grade 12	5	2 /40.0%	1 / 50.0%	1 /50.0%0	0 (0.0%)
Total	458	257 /56.1%	151 (58.8%)	76 (29.6%)	30 (11.7%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Geometry 2020 Start Strong Assessment

Grades 9-12

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	39	21 /53.8%	5 (23.8%)	12 (57.1%)	4 (11.7%)
Grade 10	344	222 /64.5%	150 (67.6%)	48 (21.6%)	24 (10.8%)
Grade 11	15	3 /20.0%	2 (66.7%)	0 (0.0%)	1 (33.3%)
Grade 12	9	4 /44.4%	3 / 75.0%	1 /25.0%	0 (0.0%)
Total	407	250 /61.4%	160 (64.0%)	61 (24.4%)	29 (11.6%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for Algebra II Grades 9-12

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	2	2 /100.0%	1 (50.0%)	1 (50.0%)	0 (0.0%)
Grade 10	57	32 /56.1%	12 (37.5%)	9 (28.1%)	11 (34.4%)
Grade 11	301	226 /75.1%	118 (52.2%)	48 (21.2%)	60 (26.5%)
Grade 12	47	20 /42.6%	11 / (55.0%)	4 /20.0%	5 (25.0%)
Total	407	280 /68.8%	142 (50.7%)	62 (22.1%)	76 (27.1%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Irvington School District's

Number of Students by Performance Level for ELA 9 & ELA 10

2020 Start Strong Assessment

	Enrollment	Students Tested* / Participation Rate	Number of Students by Performance Level*		
			Strong Support May be Needed	Some Support May be Needed	Less Support May be Needed
	406	272 /67.0%	148 (54.4%)	34 (12.5%)	90 (33.1%)
ELA 10	356	264 /74.2%	109 (41.3%)	41 (15.5%)	114 (43.2%)

*Students Tested represents individual valid test scores

% by Performance Level (Number of students by each performance level is compared to Students tested; ; % may not add up to 100 because of rounding

Intervention Strategies

- **Align instructions to learning standards:** Instructions are aligned to the learning target and task for mastering a learning standard
- **Use of formative assessment:** Using assessments in an intentional way to improve the quality teaching practices and students' learning
- **Deliver Cycle/Benchmarks tests on the TestNav:** Administer tests using a platform with technology-enhanced items, similar to what students will experience during NJSLA
- **Pacing guide:** Adequate time is provided to ensure that all students are engaged in mastering the content
- **Use cooperative learning and other strategies, including Kagan:** These will promote critiquing practices around the content during instruction
- **Use the feedback loop concept:** This involves teachers and students simultaneously determine where students are and where they need improvement

Intervention Strategies

- **Professional development:** This is to target instructional practices specific to core subjects. These practices are to support the instructional focus in all classrooms
- **Implementation of cross curriculum:** This to strengthen reading and comprehension across contents
- **Align assessments to the NJSLs:** Ensure that all assessments are aligned to teaching and Standards (NJSLs)
- **Recording and enforcing time on tests:** This is to provide experience similar to NJSLA
- **Use data to inform instruction:** Analyze data to reveal instructional needs. This is to support student learning and provide continuity of instruction aligned to NJSLs
- **Use of other reports:** These include reports from i-Ready, Savvas, Reading Wonders, and Science program

Intervention Strategies

- **Encourage the use of critical-thinking questioning:** This make space for curiosity during the learning process
- **Emphasize conceptual understanding** over procedure: This will promote an in-depth understanding of concepts in Math and Science classes
- **Use authentic problems:** This is to increase students engagement in standard-based lessons
- **Engaging students through technology:** Today's era of rapidly advancing technology should be used as a tool for engagement



Thank you