

**New Jersey Student Learning
Assessment - Science
(NJSLA - S):**

Spring 2019 Administration

**South Hunterdon Regional
School District**

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Shared with
the BOE
during a
virtual public
meeting (due
to COVID-19)
on Monday,
April 27,
2020

NJSLA-Science – A Summative Assessment

Designed to measure student proficiency in:

- The knowledge specified by the NJSLA-Science grade band standards
- Students' ability to utilize the science and engineering practices to explain scientific phenomena appropriately
- Student's are assessed on the science taught to them over the year prior to the testing date (i.e. the 5th grade assessment assesses grades K-5, the 8th grade assessment assesses grades 6-8, and the 11th grade assessment assesses grades 9th-11th)

NJSLA-Science Assessment Time

Grade Level Assessment	Number of Units	Time Per Unit	Total Testing Time
Grade 5	4	45 minutes	3 hours
Grade 8	4	45 minutes	3 hours
Grade 11	4	60 minutes	4 hours

*Each grade level completes the test over 2 days (2 units per day)

**Data presented is based only on the 2019 administration as the NJSLA-S data cannot be compared with previous state assessments in the area of Science (i.e. PARCC or NJASK)

Number of Valid Scores for NJSLA-Science Spring 2019 (SHRSD & New Jersey)

Grade	SHRSD Students Tested NJSLA-S 2019	New Jersey Students Tested NJSLA-S 2019
5	68 (31 = LPS & 37=WAS)	101,220
8	68	99,852
11	77	90,024
TOTAL	213	291,096

Note: "Students Tested" represents individual valid test scores for Science.

Spring 2019 NJSLA-S Administration Comparison of SHRSD to New Jersey Percentages for 2019

Grade	Level 1		Level 2		Level 3		Level 4		> or = Level 3	
	District	State	District	State	District	State	District	State	District	State
5	39.7%	34.8%	27.9%	36.0%	29.4%	22.7%	2.9%	6.6%	32.4%	29.2%
8	27.9%	35.7%	50.0%	44.5%	20.6%	15.3%	1.5%	4.5%	22.1%	19.8%
11	42.9%	49.1%	29.9%	23.6%	23.4%	19.5%	3.9%	7.8%	27.3%	27.3%

Notes: Percentages may not total 100 due to rounding.

2019 SPRING NJSLA School, State, & Grade Level Outcomes Science

	Grade 5 % >= Level 3	Grade 8 % >= Level 3	Grade 11 % >= Level 3
District	32.4	22.1	27.3
LPS	25.8	N/A	N/A
WAS	37.8	N/A	N/A
SHR	N/A	22.1	27.3
State	29.2	19.8	27.3

Spring 2019 Dynamic Learning Maps (DLM) Assessment Results – Science

Grade Levels	Subject Area	Number of Students Assessed	At Target or Advanced
8 & 11 (no 5 th graders)	Science	2	50%

SHRSD Subgroup Average Scale Scores and Percentages by Grade Level - Science

Grade	# of Valid Scores	State	District	Gender				Students with Disabilities (IEPs/504s)		
				Female	% (F)	Male	% (M)	IEP	504	% (Y)
5	68	170	167	166	47	167	53	150	143	28
8	68	165	171	169	48.5	173	51.5	161	118	23.5
11	77	163	165	152	43	174	57	134	136	22
Total Scale Score/ Percentage Science Averages:	213	166	167.7	162.3	46.2	171.3	53.8	148.3	132.3	24.5

SHRSD Subgroup Average Scale Scores and Percentages by Grade Level – Science (cont.)

Grade	# of Valid Scores	State	District	Ethnicity				Economically Disadvantaged			English Language Learners (ELLs)	
				Hispanic/ Latino	% (H/L)	White	% (W)	No	Yes	% (Y)	Yes	% (Y)
5	68	170	167	136	16	175	75	175	137	22	100	3
8	68	165	171	154	13	175	78	176	136	13	146	6
11	77	163	165	121	12	174	75	172	123	14	102	5
Total Scale Score/ Percentage Science Averages:	213	166.0	167.6	137.0	13.7	174.7	76.0	174.3	132.0	16.3	116.0	4.7

2019 NJSLA-Science Scale Score Averages
Compared

Grade Level/Subject	LPS	WAS	District	South MS	South HS	State
Science-5	156	176	167	N/A	N/A	170
Science-8	N/A	N/A	171	171	N/A	165
Science-11	N/A	N/A	165	N/A	165	163

*Numbers in this table represent scale score averages

MORE THAN NJSLA

What other data is available to measure student progress?

- Science teachers formulate Student Growth Objectives (SGOs) and utilize that data to measure progress
- Data from both ELA and Math assessments also assist in better understanding student needs and growth
- Performance-based learning experiences assist teachers in monitoring student growth
- Teacher created assessments (i.e. experiments, projects, visuals, etc.) provide data regarding student growth

NEXT STEPS

How does the district utilize the data gained from these assessments?

This data assists districts in evaluating science curricula and instruction. The data can be used at the district level to answer a range of important questions about student learning, such as:

- How much have the students in a certain school or school system learned over the course of a grade band?
- Is one instructional technique or curricular program more effective than another?
- Is our curriculum equitable for all our students?

RESOURCES

- Presentation on SHRSD district website:
http://shrsd.org/district/curriculum_assessment_instruction/standardized_assessments
- NJ Statewide Assessment Data:
<https://www.nj.gov/education/schools/achievement/19/Spring2019.html>
- NJ Standardized Testing Resources for Parents:
<https://www.nj.gov/education/assessment/parents/>

QUESTIONS?

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