

NJ SLA - Science Results: Spring 2019 Administration



Oradell Public School District
March 11, 2020

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An Introduction to the NJSLA - Science

- Prior to Spring 2018, elementary students were assessed in Grade 4 and middle school students were assessed in Grade 8.
- In Spring 2018, a new assessment was administered: The New Jersey Student Learning Standards Assessment - Science. It is administered in grade 5 instead of grade 4.
- The assessment requires students to draw, write, calculate and manipulate data. It is not a recall-based assessment.
- There were no scores shared with districts or with parents after the Spring 2018 assessment.
- In May 2019, the NJSLA-Science was administered again in 5th grade. Results were received the first week of March 2020.
- The scores from the Spring 2019 assessment are not being factored into district's accountability scores.

2019 NJSLA - SCIENCE RESULTS

An Overview of State and District Performance

	Level 1 (100 - 149)	Level 2 (150-199)	Level 3 (200-242)	Level 4 (243-300)	Level 3 & 4 (Combined)
STATE <i>Percent of Students at Each Level</i>	34.8%	36.0%	22.7%	6.6%	29.2%
DISTRICT <i>Percent of Students at Each Level</i>	12.5%	26.8%	36.6%	24.1%	60.7%
DISTRICT <i>Number of Students at Each Level</i>	14	30	41	27	68

2019 NJSLA - SCIENCE RESULTS

Gender Comparison

	Level 1 (100-149)	Level 2 (150-199)	Level 3 (200-242)	Level 4 (243-300)	Level 3 & 4 (Combined)
DISTRICT <i>Female</i>	15.7%	20.0%	40.0%	24.3%	64.3%
DISTRICT <i>Males</i>	7.1%	38.1%	31.0%	23.8%	54.8%

**Interesting Note about the cohort --- 71 females were assessed compared to 42 males.

2019 NJSLA - SCIENCE RESULTS

Ethnicity and Race Sub-Groups

	Level 1 (100 - 149)	Level 2 (150-199)	Level 3 (200-242)	Level 4 (243-300)	Level 3 & 4 (Combined)
Hispanic or Latino	20.0%	40.0%	20.0%	20.0%	40.0%
Asian	4.5%	31.8%	36.4%	27.3%	63.6%
Black or African American	50.0%	0.0%	50.0%	0.0%	50.0%
White	14.1%	26.8%	35.2%	23.9%	59.2%
Two or More Races	0%	0.0%	71.4%	28.6%	100%

2019 NJSLA - SCIENCE RESULTS

	Number of Students	Level 1 (100 - 149)	Level 2 (150-199)	Level 3 (200-242)	Level 4 (243-300)	Level 3 & 4 (Combined)
IEP	20	52.6%	36.8%	5.3%	5.3%	10.5%
504	5	40.0%	0.0%	40.0%	20.0%	60.0%
Current ELL	1	0.0%	0.0%	100.0%	0.0%	100%
Former ELL	8	12.5%	12.5%	50.0%	25.0%	75.0%

2019 NJSLA - SCIENCE RESULTS

Domains & Practices

SPRING 2019

New Jersey Student Learning Assessment - Science (NJSLA-S) Grade 5

Purpose: This report describes group performance in using the domains and practices, in comparison to state and district averages.	Number of Students with valid Scores	Student Performance Using Domains and Practices (Percent)					
		EARTH & SPACE SCIENCE	LIFE SCIENCE	PHYSICAL SCIENCE	INVESTIGATING PRACTICES	SENSEMAKING PRACTICES	CRITIQUING PRACTICES
STATE	101,220	 50 38 11	 52 40 8	 48 39 13	 48 44 8	 53 34 12	 48 43 9
DISTRICT	112	 24 40 36	 21 58 21	 21 44 35	 20 59 21	 22 41 37	 21 54 25
ORADELL PUBLIC SCHOOL	112	 24 40 36	 21 58 21	 21 44 35	 20 59 21	 22 41 37	 21 54 25

Definitions

Earth and Space Science - explores the interconnections between the land, ocean, atmosphere, life of our planet, and the Solar System.

Life Science - study of life and organisms – such as microorganisms, plants, and animals including human beings.

Physical Science - the sciences concerned with the study of inanimate natural objects, including physics, chemistry, astronomy, and related subjects.

Investigating Practices - analyze the data looking for patterns and relationships in order to develop *Explanations* and *Models*.

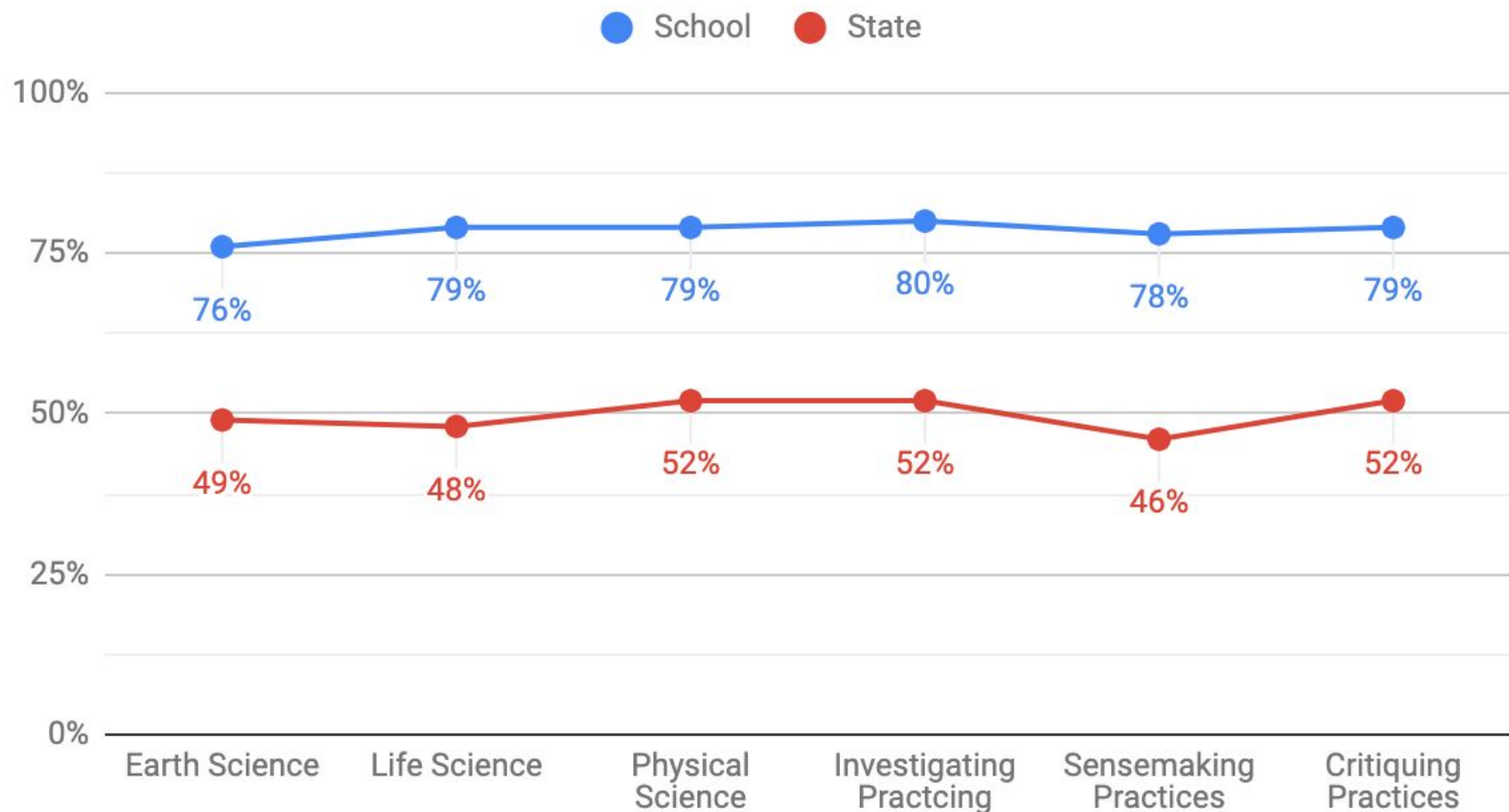
Sensemaking Practices - focus on asking questions and conducting experiments about the *Natural World*.

Critiquing Practices - focus on evaluating and arguing about the different explanations and models in order to develop a stronger understanding of the natural world.

2019 NJSLA - SCIENCE RESULTS

Domains & Practices

Domains and Practices



Next Steps

- Currently fifth grade teachers are looking at scores and reflecting on their practices from last year.
- The District is in the process of purchasing an online science test preparation program to provide students with additional experiences.
- This year, support for special education students in science and social studies has been increased with a special education teacher co-teaching during these periods in grades 4-6.
- Continue research about how our peer districts did to see if we can learn from any successes around us.

RESOURCES FOR FAMILIES

- OPS will send home NJSLA - Science scores the week of March 16th.
- More Information about the NJSLA - Science Assessment can be found at: <https://measinc-nj-science.com/>
- [Score Interpretation Guide](#)
- [OPS Science Curriculum](#)