

NJ SLA Science 2019 Score Report Presentation

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Curriculum Bands

Kindergarten:

- Motion, Stability, Forces and Interactions
- Energy
- Molecules to Organisms
- Earth Systems
- Earth and Human Activity

***Engineering and Design in all grade levels K-8

Grade 1:

- Waves
- Molecules to Organisms
- Heredity and Variation of Traits
- Earth's place in the Universe

Grade 2:

- Matter and its interactions
- Ecosystems
- Biological Evolution
- Earth's Place in the Universe
- Earth's Systems

Curriculum Bands

Grade 3:

- Motion, Stability, Forces and Interactions
- Molecules to Organisms
- EcoSystems: Interactions, Energy and Dynamics
- Heredity: Inheritance and Variation of Traits
- Biological Evolution: Unity and Diversity
- Earth Systems
- Earth and Human Activity

***Engineering and Design in all grade levels K-8

Grade 4:

- Energy
- Waves: Application in Technology and information transfer
- Molecules to Organisms: Structure and Processes
- Earth's Systems
- Earth's Place in the Universe
- Earth and Human Activity

Grade 5:

- Matter and its interactions
- Motion, Stability, Forces and Interactions
- Energy
- Molecules to Organisms: Structure and Processes
- EcoSystems: Interactions, Energy and Dynamics
- Earth's Place in the Universe
- Earth's Systems
- Earth and Human Activity

Curriculum Bands 6-8 cluster

Life Sciences

- Molecules to Organisms: Structure and Processes
- EcoSystems: Interactions, Energy and Dynamics
- Heredity: Inheritance and Variation of Traits
- Biological Evolution: Unity and Diversity

***Engineering and Design in all grade levels K-8

Earth and Space Sciences

- Earth's Systems
- Earth's Place in the Universe
- Earth and Human Activity

Physical Sciences:

- Matter and its interactions
- Motion, Stability, Forces and Interactions
- Energy
- Waves: Application in Technology and information transfer

North Haledon Specific:

Grade 6 - Life Science
Grade 7 - Earth and Space Sciences
Grade 8 - Physical Sciences

Tested Domains

Investigating Practices	Sensemaking Practices	Critiquing Practices
Asking questions and defining problems	Developing and using models	Engaging in argument from evidence
Planning and carrying out investigations	Analyzing and interpreting data	Obtaining, evaluating, and communicating information
Using mathematical and computational thinking	Constructing explanations and designing solutions	

Sample Questions

Given a table with data on deer population:

- Choose a bar graph showing the number of deer recorded for each given year.
- Which questions should scientists study in order to best understand the changing deer populations throughout the last 25 years (select two)?

Given a table with four solutions to deer overpopulation:

- Choose two solutions for reducing deer population and explain why each of these solutions would be more effective than the solutions not chosen. Support your answer with information from the table.
- Explain why each of the other two solutions would be less effective. Support your answer with information from the table.

Proficiency Levels

Grade	Level 1	Level 2	Level 3	Level 4
5	100-149	150-199	200-242	243-300
8	100-149	150-199	200-230	231-300
11	100-157	158-199	200-249	250-300

Levels 3 and 4 are considered Proficient and Above.

Grade 5 Scores - Overall

	Level 1	Level 2	Level 3	Level 4	Level 3+
State Level	34.8%	36%	22.7%	6.6%	29.2%
North Haledon	27%	42.9%	28.6%	1.6%	30.2%

Grade 5 Scores - By Domain and Practices

	Earth and Space Science	Life Science	Physical Science	Investigating Practices	Sensemaking Practices	Critiquing Practices
State Level	50/38/11	52/40/8	48/39/13	48/44/8	53/34/12	48/43/9
North Haledon	46/44/10	43/51/6	37/52/11	38/59/3	49/37/14	46/49/5

*Reported as percentages: Below expectations, near/met expectations, above expectations

Grade 5 Scores - By Domain and Practices

	Earth and Space Science	Life Science	Physical Science	Investigating Practices	Sensemaking Practices	Critiquing Practices
State Level	49%	48%	52%	52%	46%	52%
North Haledon	54%	57%	63%	62%	51%	54%

Percentages of students near, meeting or above expectations

Grade 8 Scores - Overall

	Level 1	Level 2	Level 3	Level 4	Level 3+
State Level	35.7%	44.5%	15.3%	4.5%	19.8%
North Haledon	23%	49.2%	19.7%	8.2%	27.9%

Grade 8 Scores - By Domain

	Earth and Space Science	Life Science	Physical Science	Investigating Practices	Sensemaking Practices	Critiquing Practices
State Level	54/40/6	60/33/7	65/28/7	64/30/6	62/31/7	59/34/7
North Haledon	43/51/7	52/36/11	51/33/16	57/34/8	52/38/10	41/51/8

*Reported as percentages: Below expectations, near/met expectations, above expectations

Grade 8 Scores - By Domain

	Earth and Space Science	Life Science	Physical Science	Investigating Practices	Sensemaking Practices	Critiquing Practices
State Level	46%	40%	35%	36%	38%	41%
North Haledon	58%	47%	49%	42%	48%	59%

Percentages of students near, meeting or above expectations

Next Steps

- Data being used for Baseline as this is the first year scores have been released
- Individual Student Score reports mailed home (current Grade 6 and HS Freshman)
- Presentation of data to district
- Curriculum Review
 - Timing on units of study
 - Structure of schedule
 - Middle school bands: Scaffold versus departmentalized
- Instructional Review
 - Depth of knowledge
 - Gradual release of responsibility
 - Hands on approach
 - Real world connections
 - Build on strengths
 - Student data review
 - Cusp students
 - Modifications and accommodations

Questions?

For more information about the assessment, the school wide data or your child's individual performance, please contact your child's teacher, either building principal or Mrs. Mazzola.

Thank you for your continued support of our programming and instructional efforts.