



# NJSLA/DLM Science Results

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## Background Information

The NJSLA-Science was designed to measure student proficiency on the New Jersey Student Learning Standards for Science. The results for this assessment will count towards the NJQSAC starting with the 2020-2021 administration of the assessment. There are 4 performance levels. The lowest score is 100 and the highest score is 300.

# Who Must Be Tested?



# 5th Grade Performance %

Performance	# of Students	Mean Score	1 100-149	2 150-199	3 200-242	4 243-300	Level 3 or higher
State	102,627	170	34.8	36	22.7	6.6	29.2
<b>District</b>	<b>248</b>	<b>180</b>	23.8	41.1	29.0	6.0	35.1
Franklin E.	58	186	24.1	27.6	36.2	12.1	48.3
Hoover Elementary	47	171	31.9	34.0	29.8	4.3	34.0
Jefferson E.	44	183	22.7	38.6	27.3	11.4	38.6
Lincoln Elementary	48	177	18.8	56.3	25.0	0.0	25.0
Washington E.	51	180	21.6	51.0	25.5	2.0	27.5

\*97% Participation rate

# 8th Grade Performance %

Performance	# of Students	Mean Score	1 100-149	2 150-199	3 200-230	4 231-300	Level 3 or higher
State	102,040	165	35.7	44.5	15.3	4.5	19.8
<b>District</b>	<b>267</b>	<b>167</b>	29.2	54.3	15.4	1.1	16.5

\*100% Participation rate

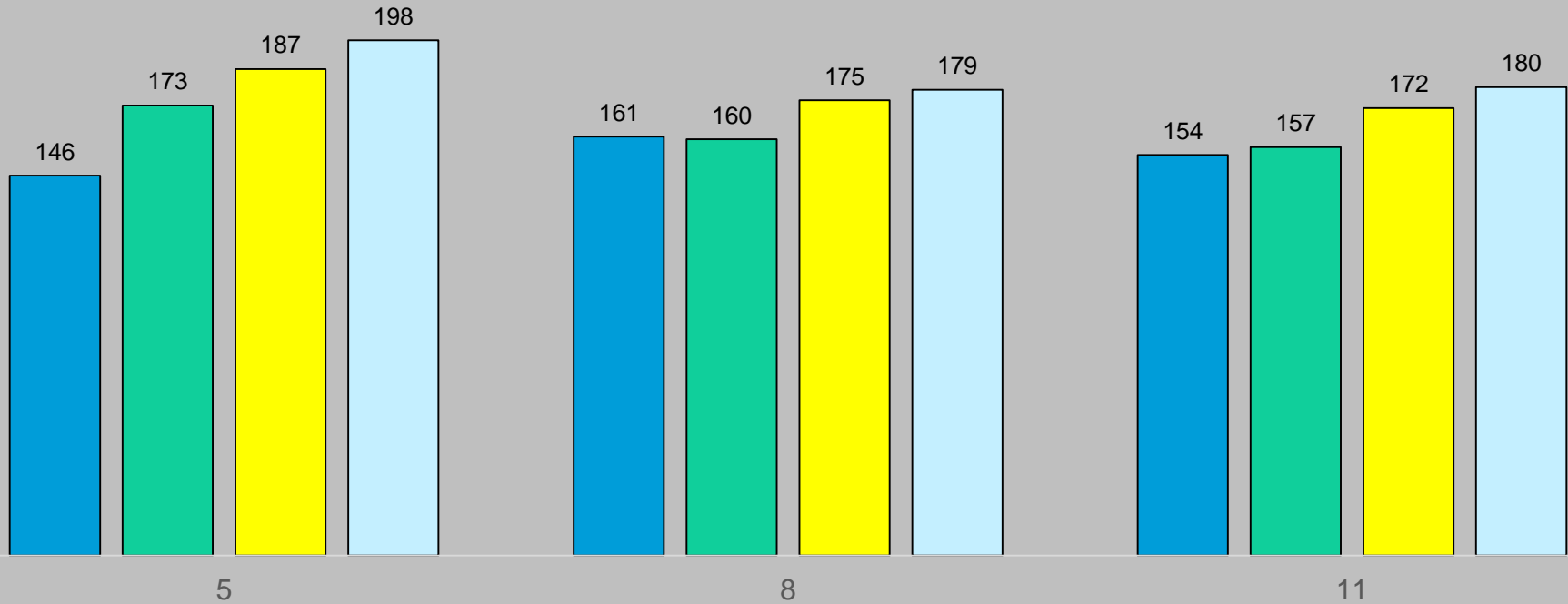
# 11th Grade Performance %

Performance	# of Students	Mean Score	<b>1</b> <b>100-157</b>	<b>2</b> <b>158-199</b>	<b>3</b> <b>200-249</b>	<b>4</b> <b>250-300</b>	Level 3 or higher
State	95,572	163	49.1	23.6	19.5	7.8	27.3
<b>District</b>	<b>248</b>	<b>180</b>	41.1	34.5	20.0	4.4	24.4

\*98% Participation rate

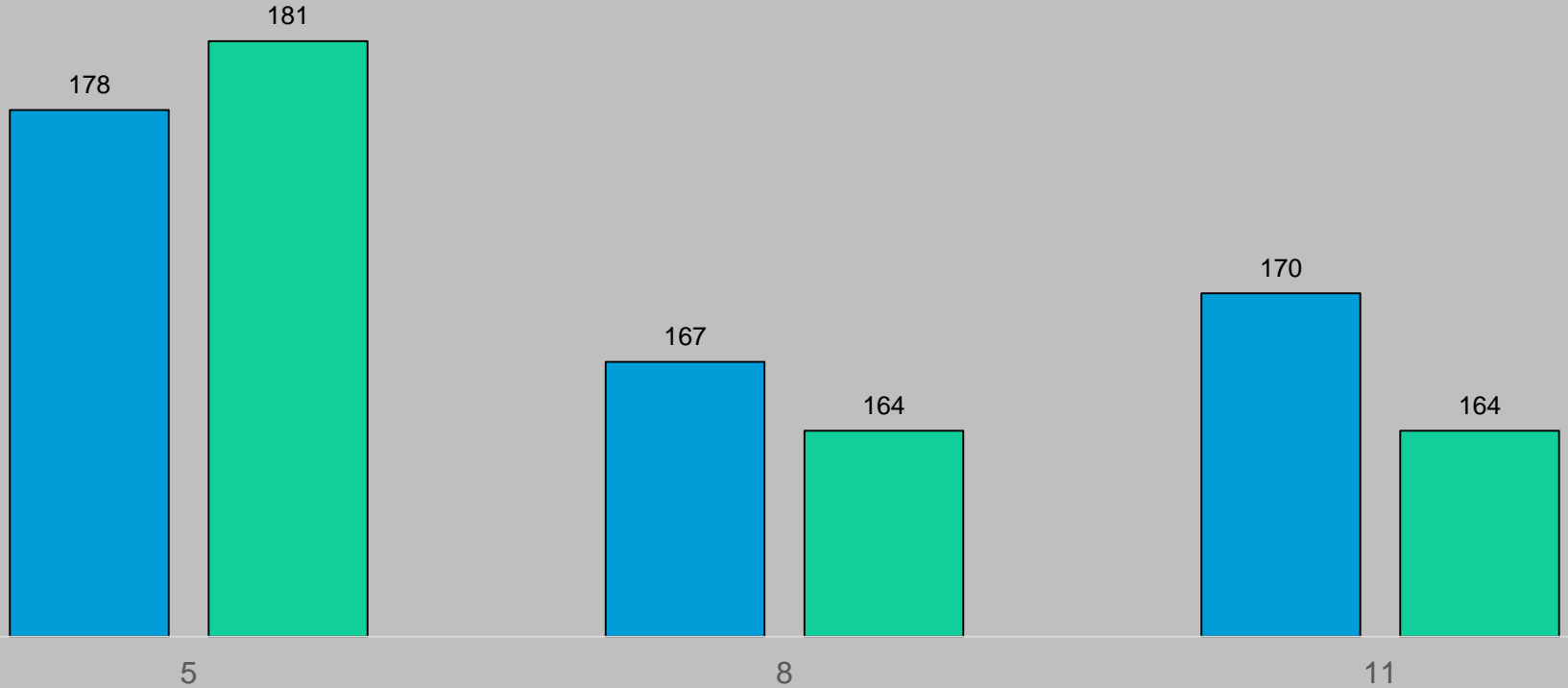
# 2019 Demographics Comparison By Race

■ Black ■ Hispanic ■ White ■ Asian



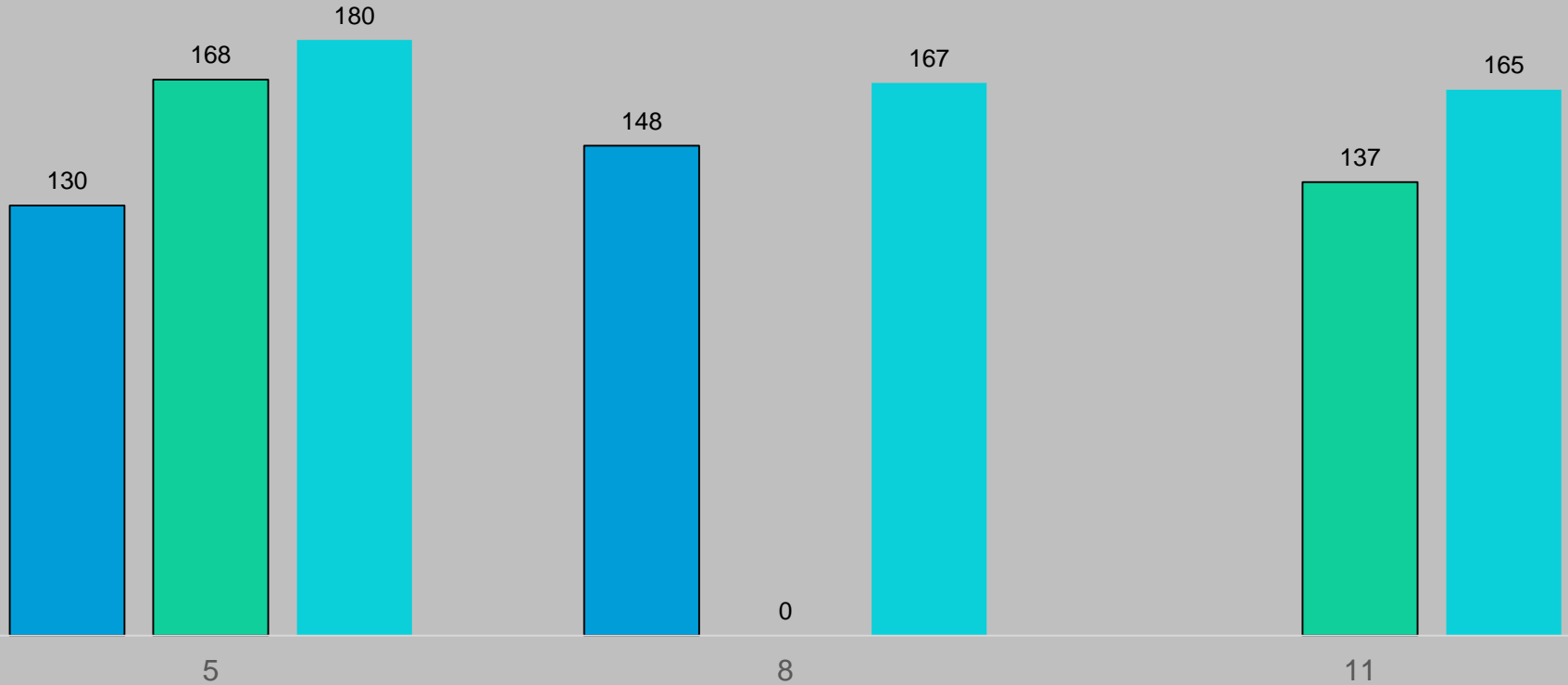
# 2019 Demographics Comparison By Gender

Female Male



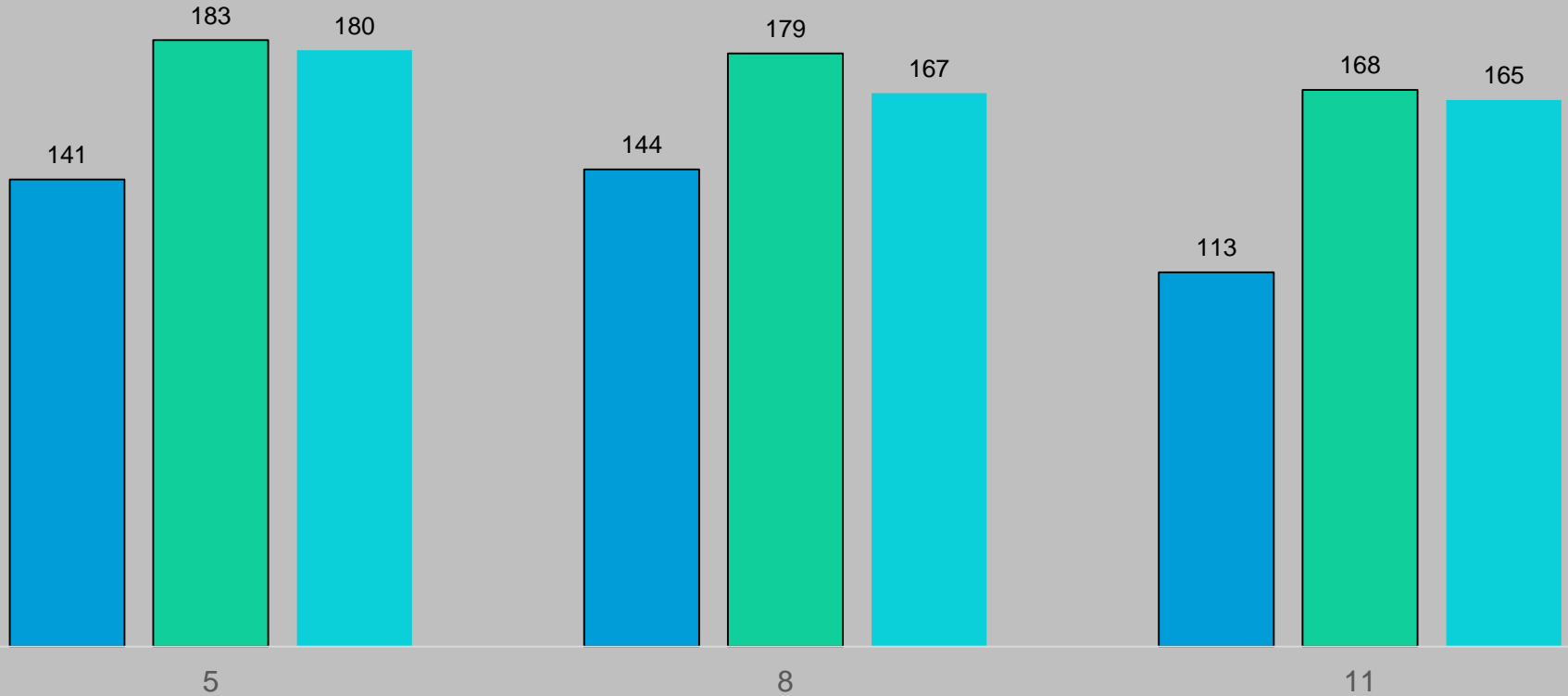
# 2019 Demographics Comparison ELL/Former ELL

■ ELL ■ Former-ELL ■ District



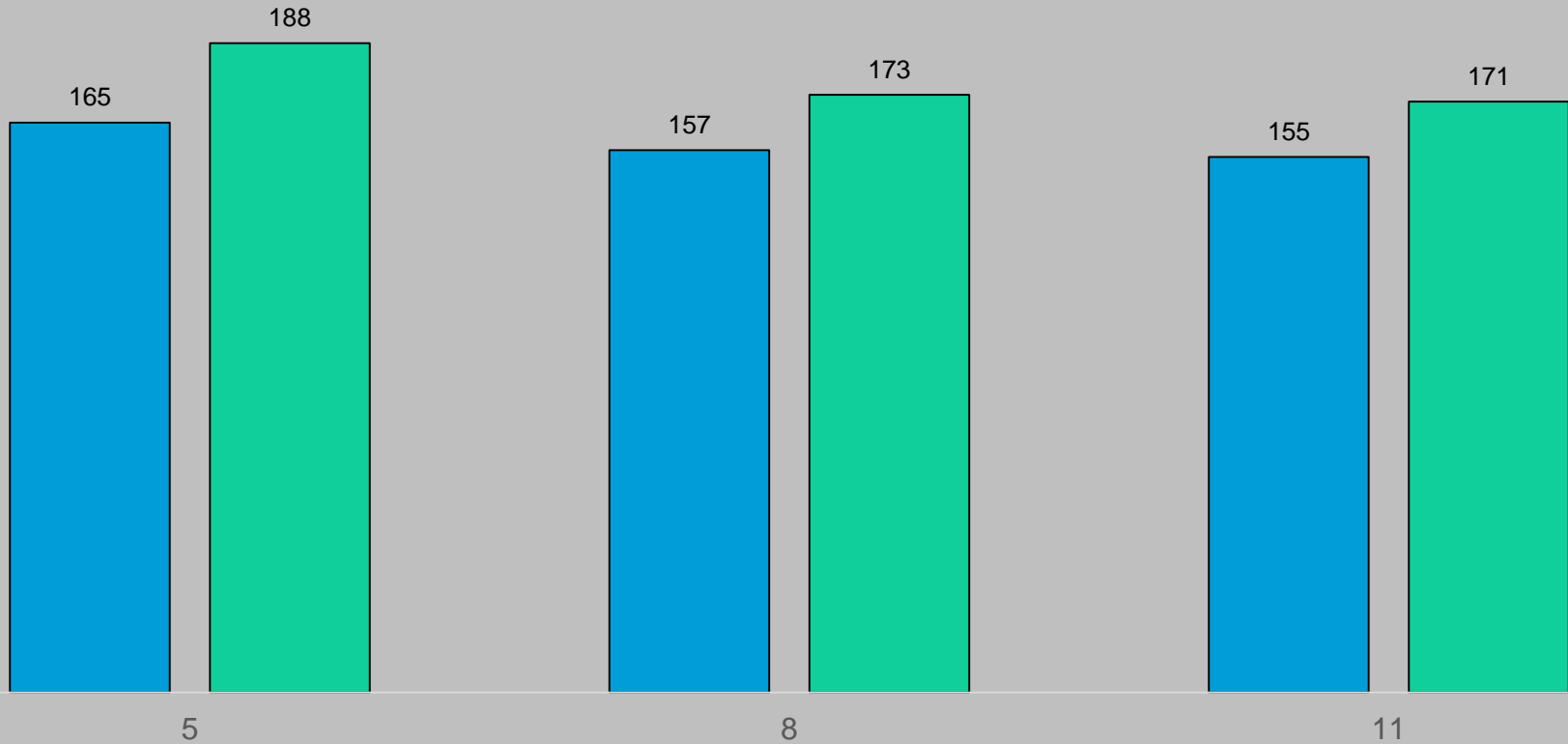
# 2019 Demographics Comparison By IDEA/504

■ IDEA ■ 504 ■ District



# 2019 Demographics Comparison By SES

■ SES ■ Non-SES



# Analysis/Interventions

## Analysis

- 5<sup>th</sup>, 8<sup>th</sup> and 11<sup>th</sup> grade students had a higher average score when compared to the state cohort.
- Overall, the district had a smaller percent of students scoring a 1, as well as a smaller percent of students scoring 4 than the state cohort
- Former ELL students on average performed higher than current ELL students.
- IDEA students on average performed lower than 504 students.
- The subgroups of ELLs, special education, and economically disadvantaged students on average scored below the district mean score.
- In general, the average score for females was slightly higher than that for males, with the exception of 5<sup>th</sup> grade.
- The average score for White and Asian students was consistently higher than other ethnicities represented.
- Data with fewer than 10 participants is not included.

## Interventions

### Professional Development

- Increase Sheltered English Instruction for teachers of science to address vocabulary, reading and written responses for ELLs.
- Increase training for science resource and LLD staff on science content and best practice modifications and accommodations in science.
- Increase training on the application and practice of science standards, specifically in the area of Engineering Practices.
- Continue to provide training for science content in K-5 and literacy in science 6-12.



# Interventions

## Programs

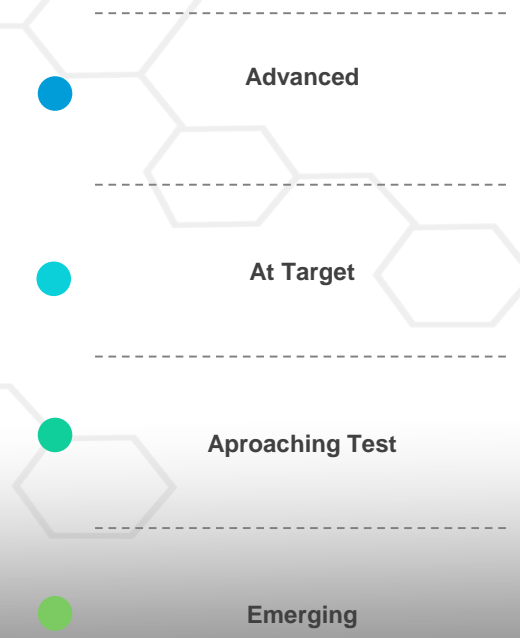
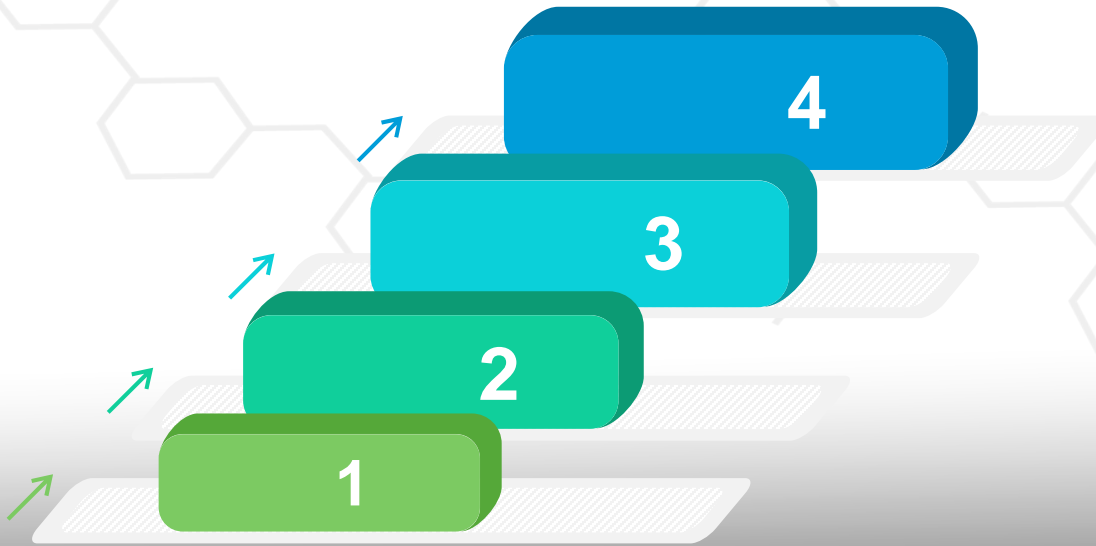
- New Elevate Science K-5
  - Create shared resources that include a database of higher order thinking questions by grade level that address:
    - Reading, interpreting and drawing conclusions from graphs and data tables
    - Problem-solving and experimental design
  - Audit curriculum and make revisions based on formative, summative and state testing data to ensure depth of coverage and appropriate scope and sequence
- ## Extended Day
- Continue STEM programs in grades 2 and 3 through Title IV
  - Continue BHS STEM program
  - Continue Peer Tutoring through BHS Science Honors Society
  - Continue before and after school homework help through Title I
  - Provide NJSLA-Science Preparation in grades 5, 8 and 11
  - Peer Tutoring





***DLM Science  
Participation***

# DLM Performance Levels



# ***DLM Science Participation***

**In the school year  
2018-2019 a total of  
5 students took the  
assessment in  
grade 5**

**In the school year  
2018-2019 a total of  
3 students took the  
assessment in  
grade 8**

**In the school year  
2018-2019 a total of  
2 students took the  
assessment in grade  
11**

# Questions?

We are happy to help you!

