



November 2022



# 2021-2022 State Assessment Report

Dr. Robert McGarry, Assistant Superintendent

# 2021-2022 State Assessment Report



## Included in this Report:

- ★ **New Jersey Student Learning Assessments**
- ★ **Dynamic Learning Maps**
- ★ **Access for ELLs**

# 2021-2022 State Assessment Report



## Thanks to our....

- ★ Supervisors
- ★ Director of Special Services
- ★ Principals and Assistant Principals
- ★ Testing Coordinators
  - Ms. Lisa Howard - Grades 3-8
  - Mr. Tim Donahue - Grades 9-12
- ★ Teachers, Specialists, CST Members and Aides
- ★ Students and their Families
- ★ Board of Education Curriculum Committee





# Dynamic Learning Maps®: Alternative Assessment

Spring, 2022

- The DLM is administered to students in the state with the most significant cognitive disabilities whose Individualized Education Program (IEP) designate the state's alternate assessment as the most appropriate academic assessment.
- Students in grades 3-8, and 11 *may* take the DLM in English Language Arts and Math.
- Students in grades 5, 8, and 11 *may* take the DLM Science.

# SPF DLM Results 2022

	Total	Emerging	Approaching	Target	Advanced
English Language Arts	33	10	7	12	2
Mathematics	31	15	6	7	4
Science	14	8	5	1	0

## How do we use DLM data?

- Curricular decisions
- Instructional feedback
- An additional data point to monitor student progress and growth.



English Language Proficiency Testing  
for  
English Language Learners

Spring, 2022

- Administered to Kindergarten through 12th-grade students who have been identified as English Language learners (ELL's)
- Given annually to monitor students' progress in learning academic English
- Meets U.S. federal requirements of the Every Student Succeeds Act (ESSA) for monitoring and reporting ELLs' progress toward English language proficiency
- Assesses the four language domains of Listening, Speaking, Reading and Writing

# SPF ACCESS for ELLs Results 2022

- Administered to 80 English Language Learners.
- Scored on English Language Proficiency Levels from 1 to 6.
- 19 students received a score of 4.5 or higher, qualifying them to exit the ESL program.

## How do we use ACCESS for ELLs data?

- To determine if an ELL is ready to exit the program or is eligible to continue receiving services.
- To identify English language proficiency levels to inform instruction in our ESL program and in the general classroom setting.

# New Jersey Learning Assessments



- ELA (Grades 3-9)
- Math (Grades 3-7, Algebra I and Geometry)
- Science (Grades 5, 8 and 12)

# The BIG Picture:



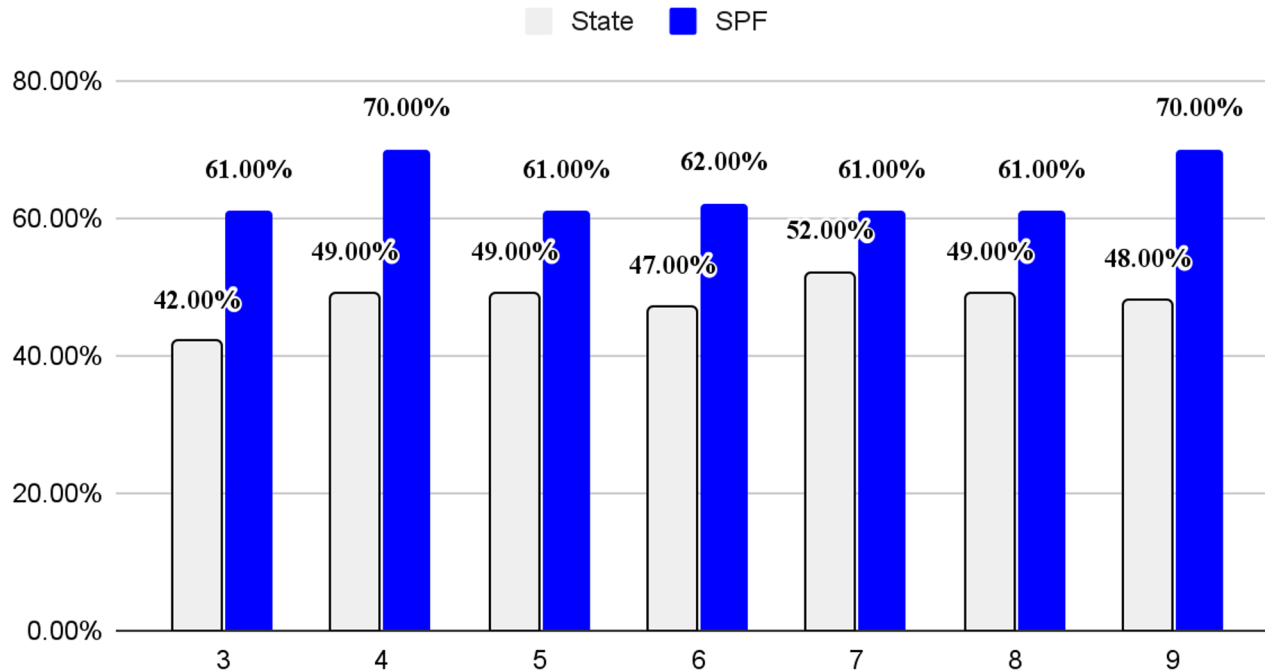
**How do SPF results compare to State results?**



# The Big Picture: ELA



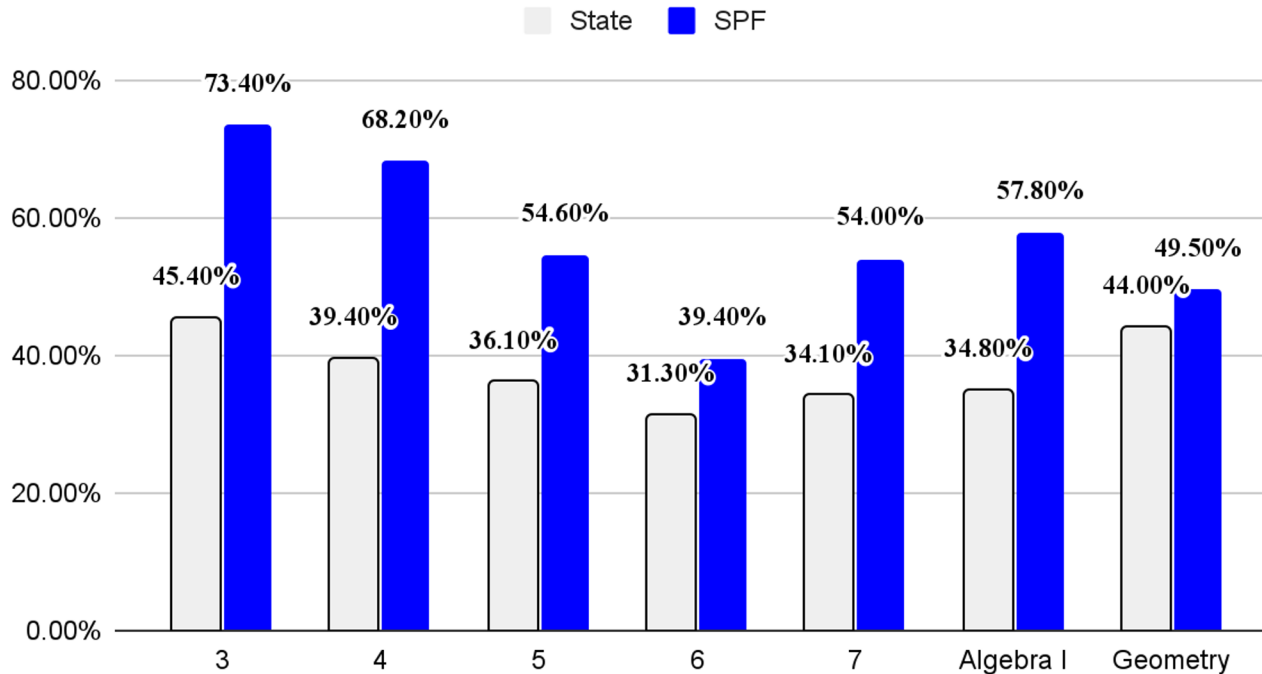
## ELA PERCENTAGE MEETING/EXCEEDING 2022



# The Big Picture: Mathematics



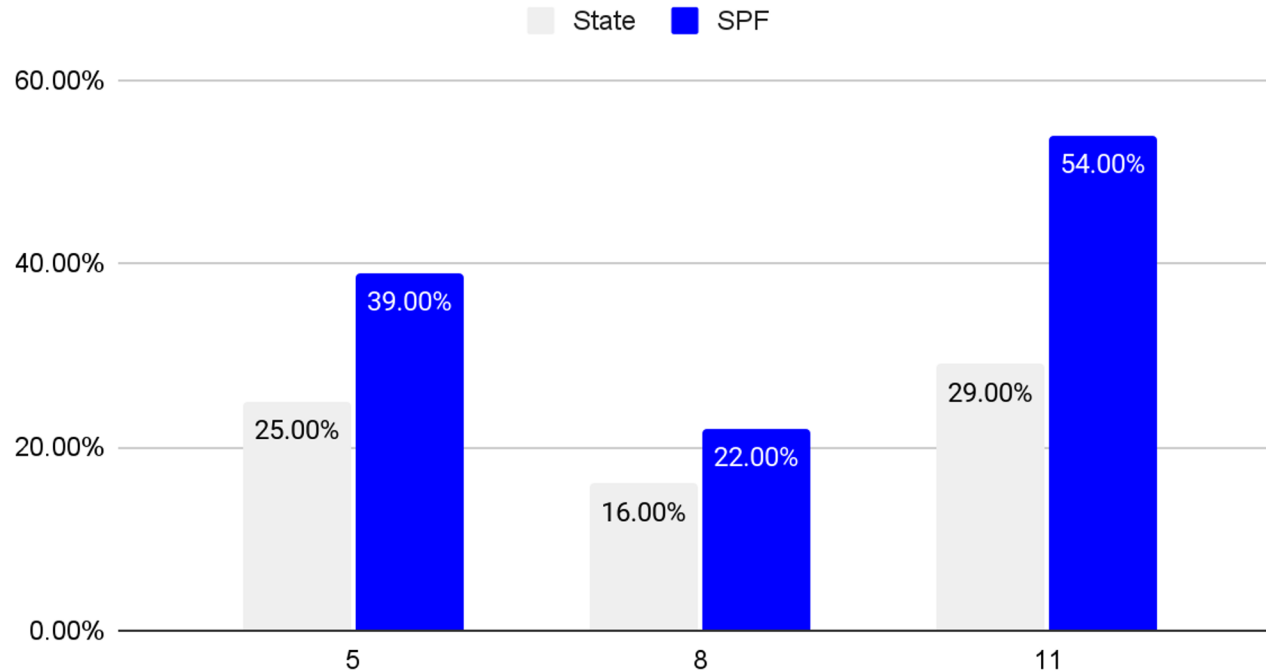
## MATH - PERCENTAGE MEETING/EXCEEDING 2022



# The Big Picture: Science



## SCIENCE % STUDENTS PROFICIENT/ADVANCED



# Setting our data lens for a closer look...



- Due to a lack of state testing in 2020 and 2021, year over year comparisons and cohort progress are not possible to report.
- State graduation requirements have been modified or have eliminated “passing” a state assessment over the last few years.
- The data sets presented here reflect one measure used in each subject to help us understand each learner and to plan for and promote each students’ growth.
- NJSLA only considers Mathematics, English Language Arts and Science in some grade levels and not all that we value in our district.

# Setting our Data Lens.... ELA and Math



**<SUBJECT AND GRADE >**

**2018-2019**

**2021-2022**

# Setting our Data Lens... Science



**<SUBJECT AND GRADE>**

**State 2022**

**SPF 2022**

# Setting our Data Lens....



## NJSLA ELA and Math Performance Levels

**EXCEEDING GRADE LEVEL EXPECTATIONS**

**MEETING GRADE LEVEL EXPECTATIONS**

**APPROACHING GRADE LEVEL EXPECTATIONS**

**PARTIALLY MEETING GRADE LEVEL EXPECTATIONS**

**NOT YET MEETING GRADE LEVEL EXPECTATIONS**

DATA IS PRESENTED BY PERCENTAGE OF STUDENTS SCORING AT EACH LEVEL



## NJSLA Science Performance Levels

**ADVANCED PROFICIENT**

**PROFICIENT**

**NEAR PROFICIENCY**

**BELOW PROFICIENT**

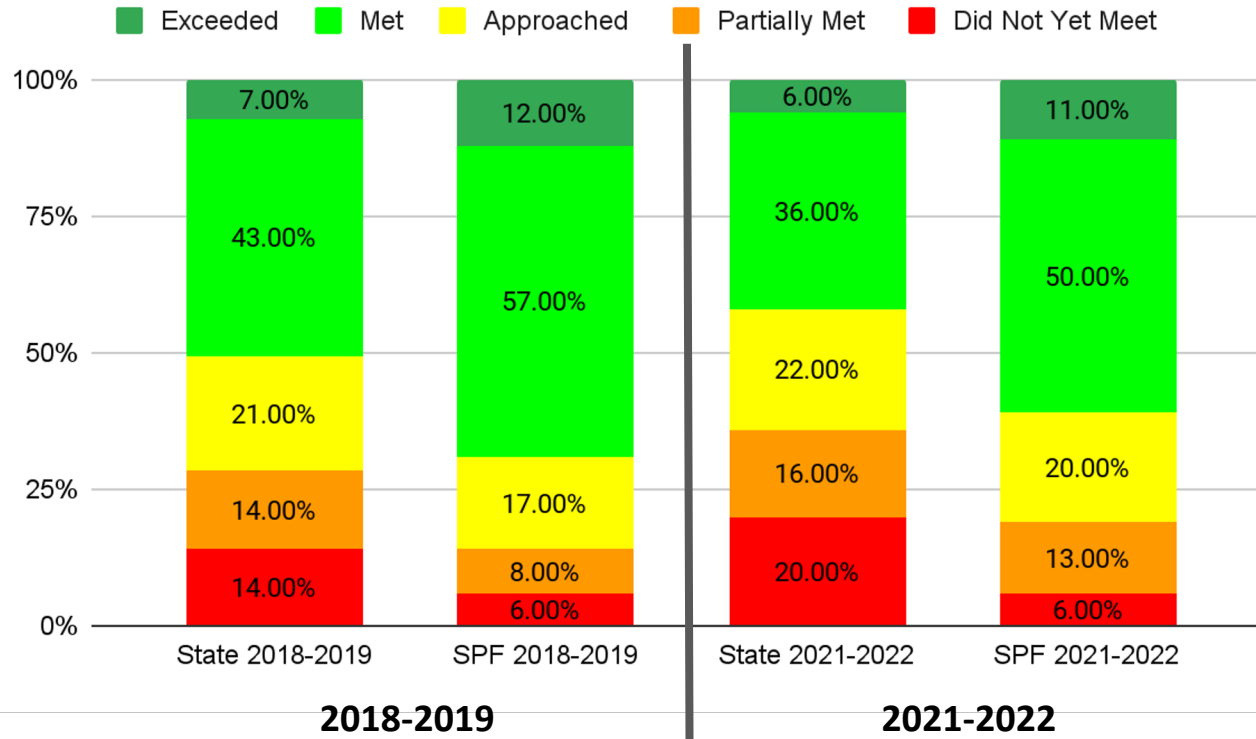
DATA IS PRESENTED BY PERCENTAGE OF STUDENTS SCORING AT EACH LEVEL



# Grades 3-5

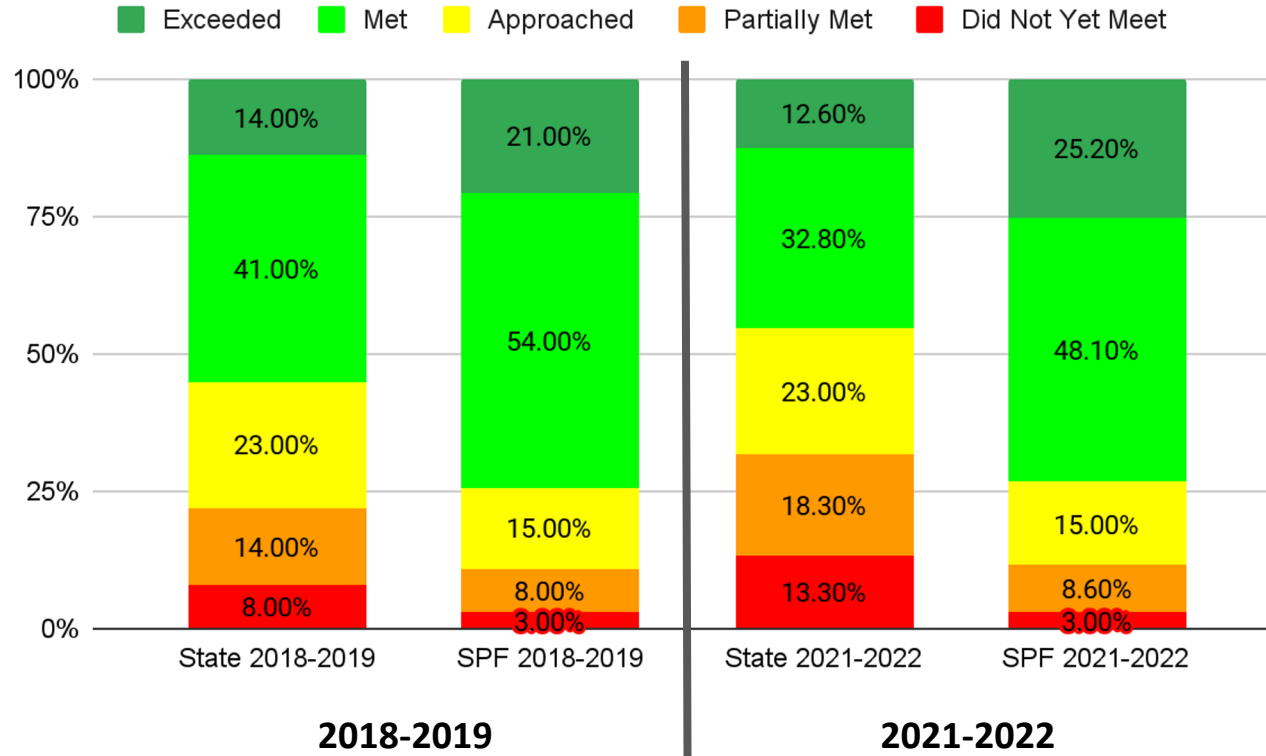
# ELA 3

## GRADE 3 - (2019 3rd Grade compared to 2022 3rd Grade)



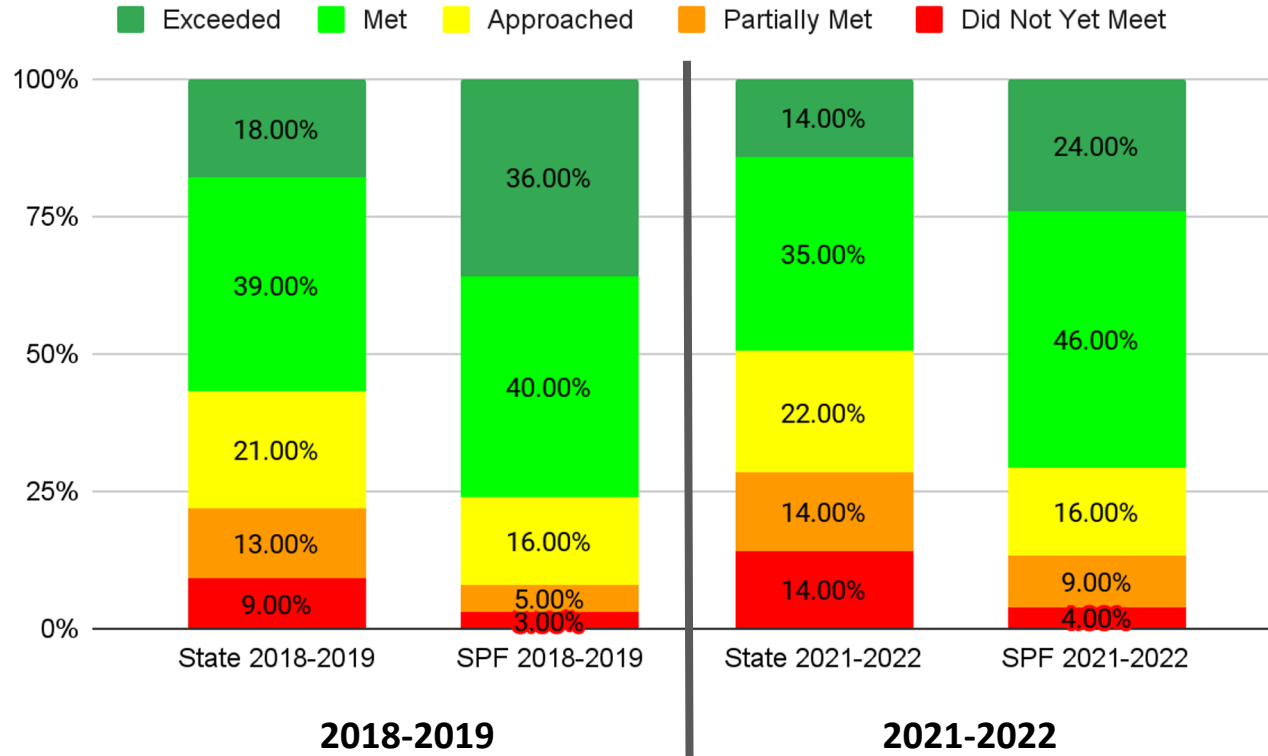
# Math 3

## GRADE 3 - (2019 3rd Grade compared to 2022 3rd Grade)



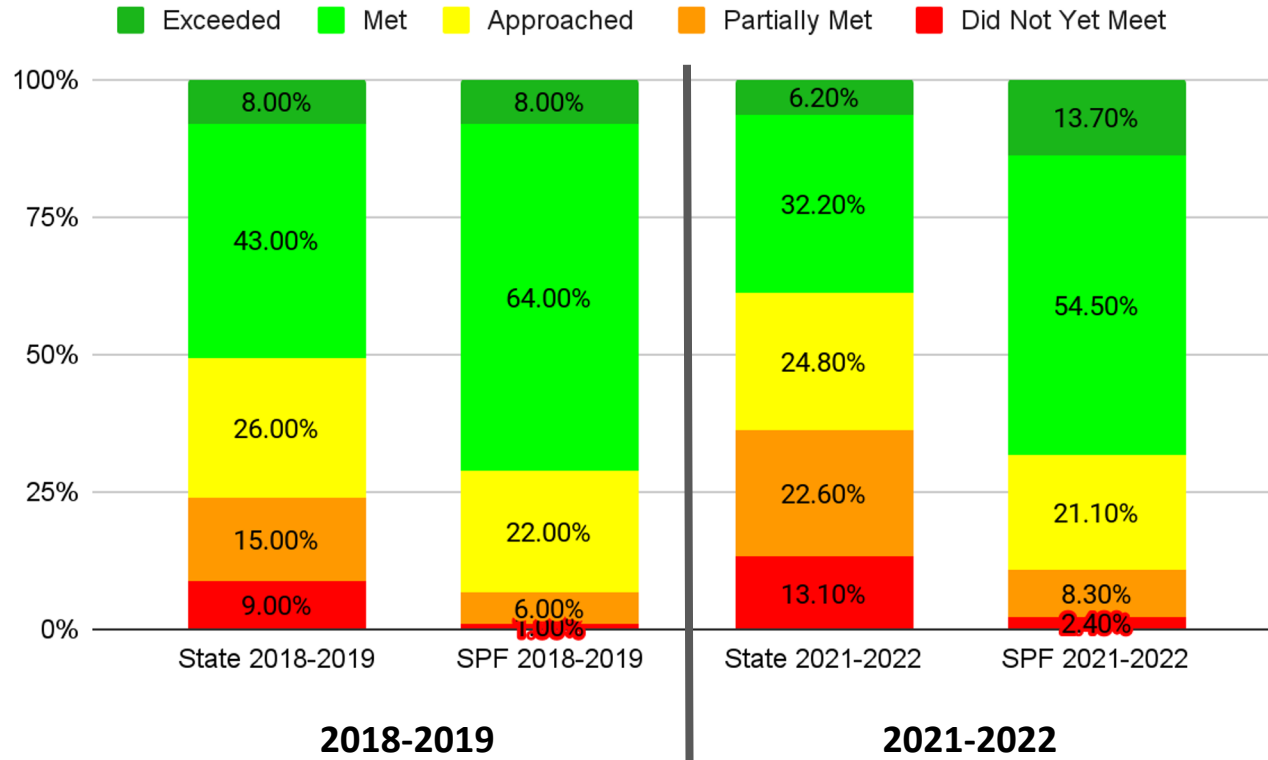
# ELA 4

## GRADE 4 - (2019 4th Grade compared to 2022 4th Grade)



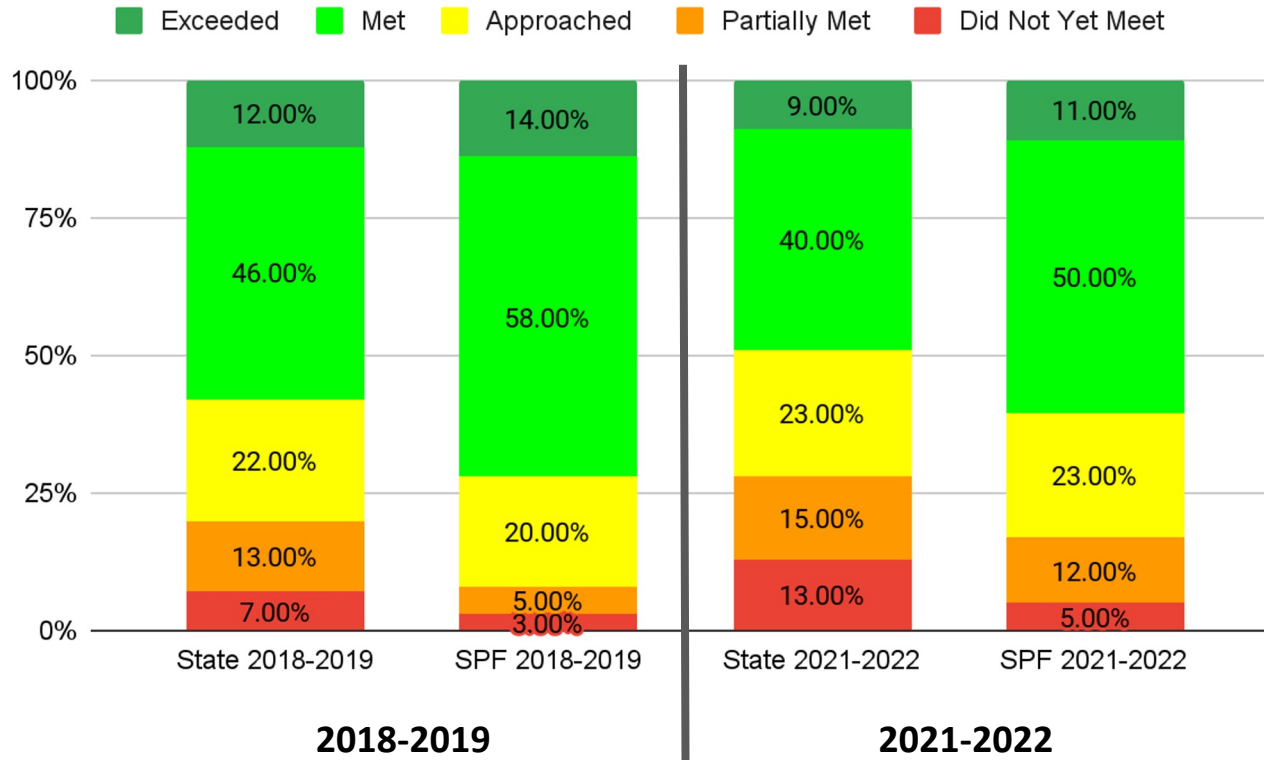
# Math 4

## GRADE 4 - (2019 4th Grade compared to 2022 4th Grade)



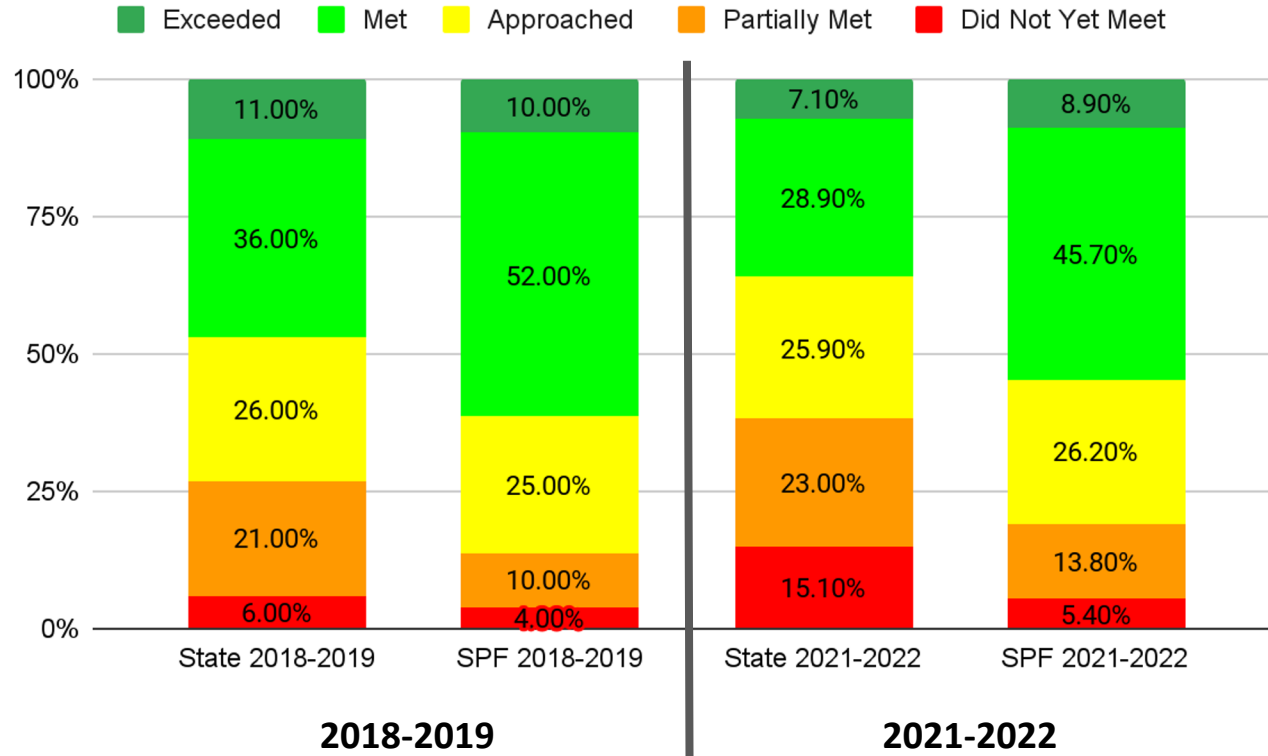
# ELA 5

## GRADE 5 - (2019 5th Grade compared to 2022 5th Grade)



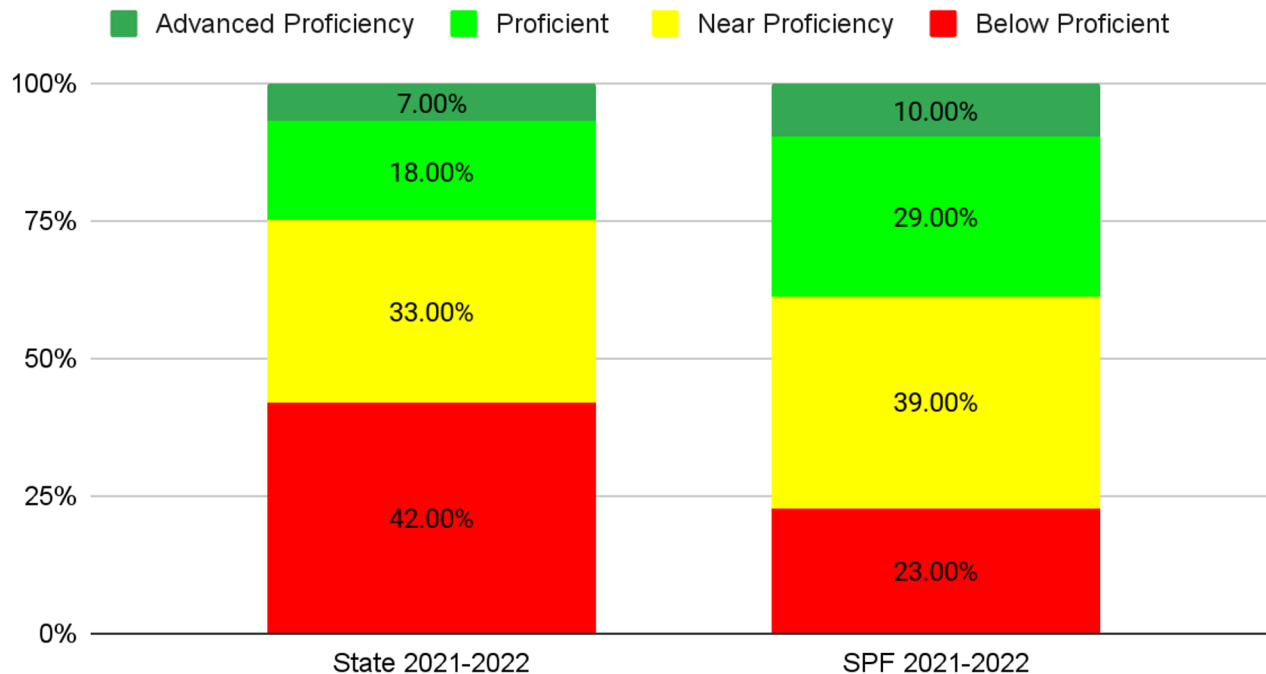
# Math 5

## GRADE 5 - (2019 5th Grade compared to 2022 5th Grade)



# Science 5

## GRADE 5 SCIENCE

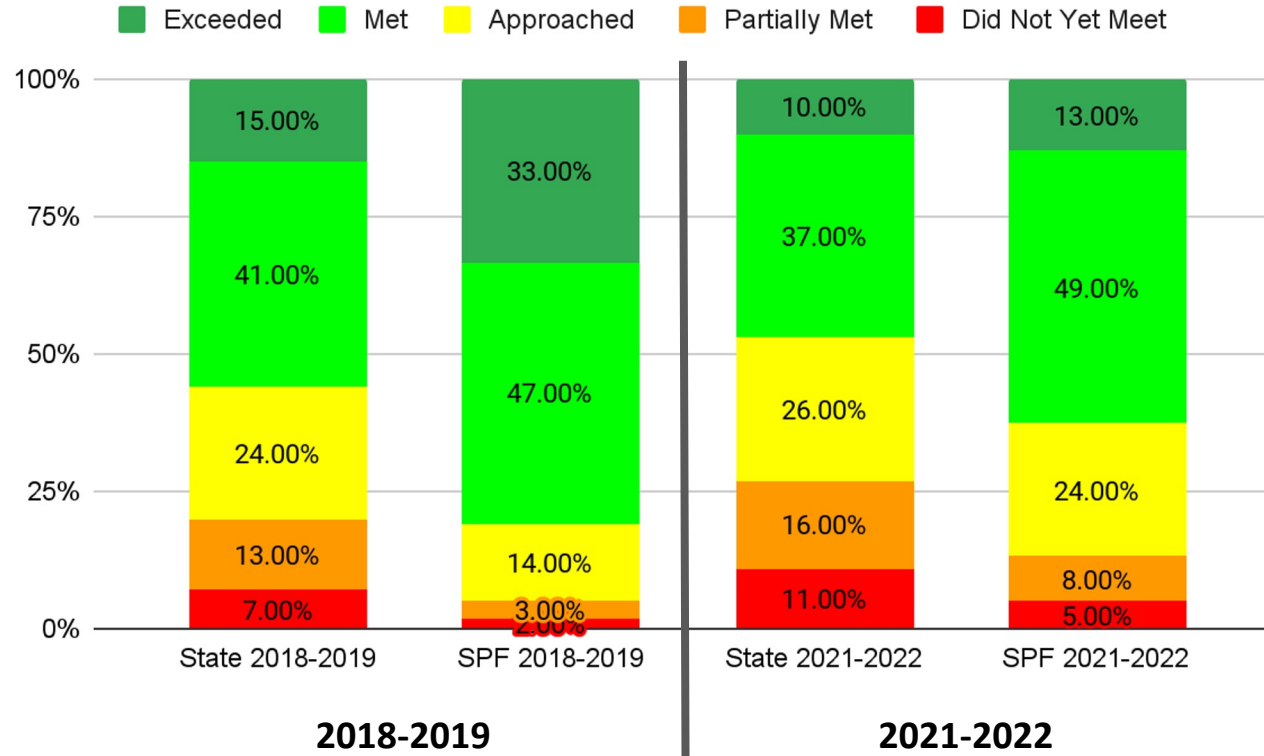




# Grades 6-8

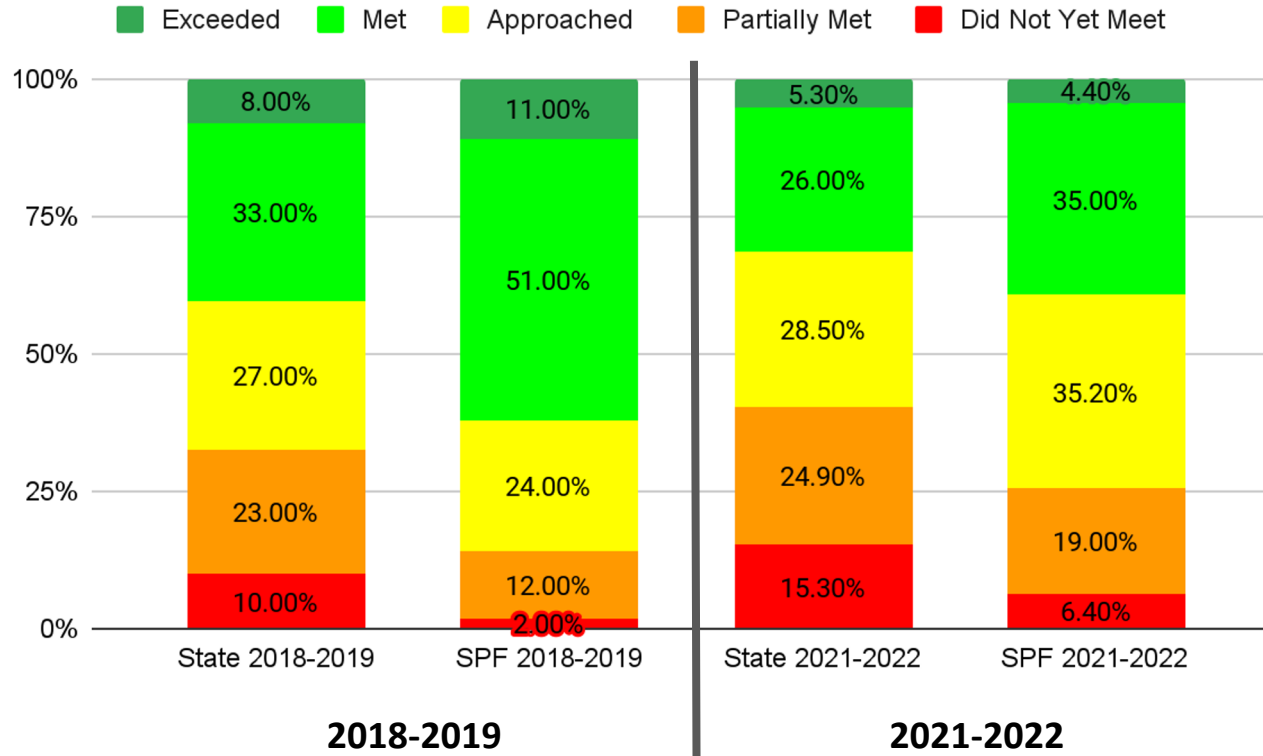
# ELA 6

## GRADE 6 - (2019 6th Grade compared to 2022 6th Grade)



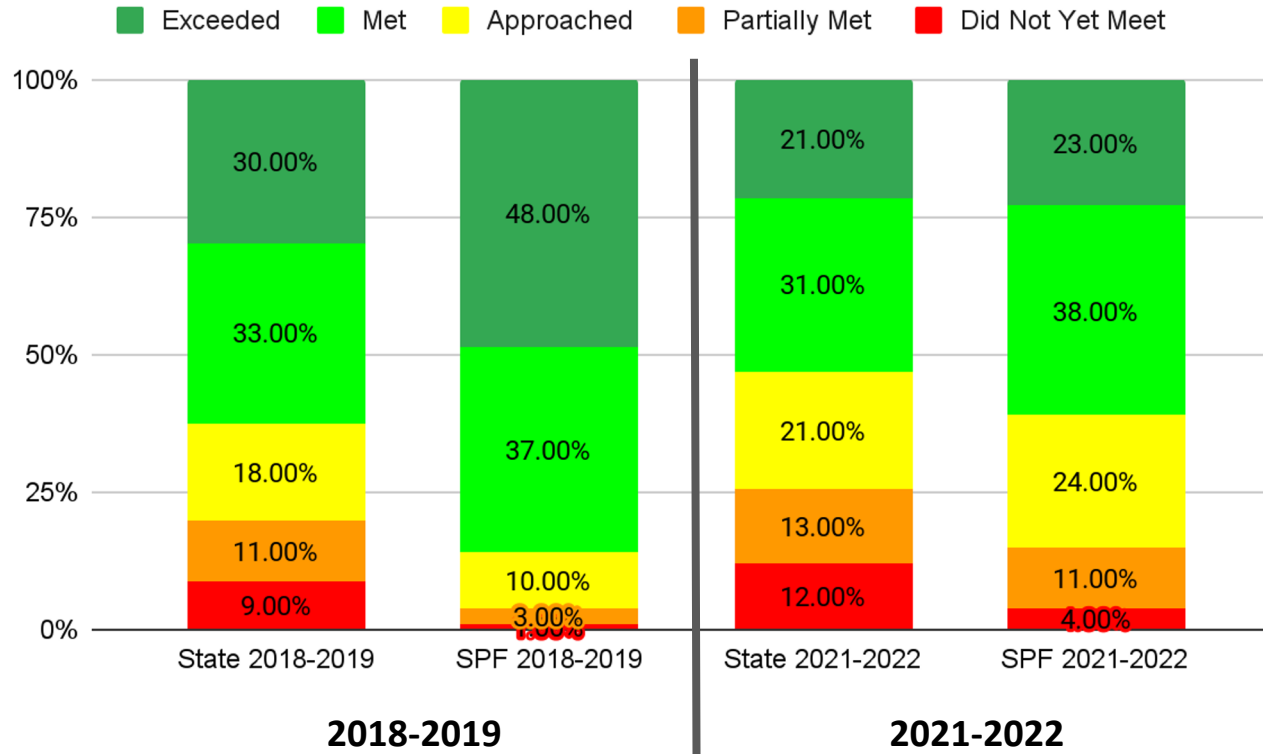
# Math 6

## GRADE 6 - (2019 6th Grade compared to 2022 6th Grade)



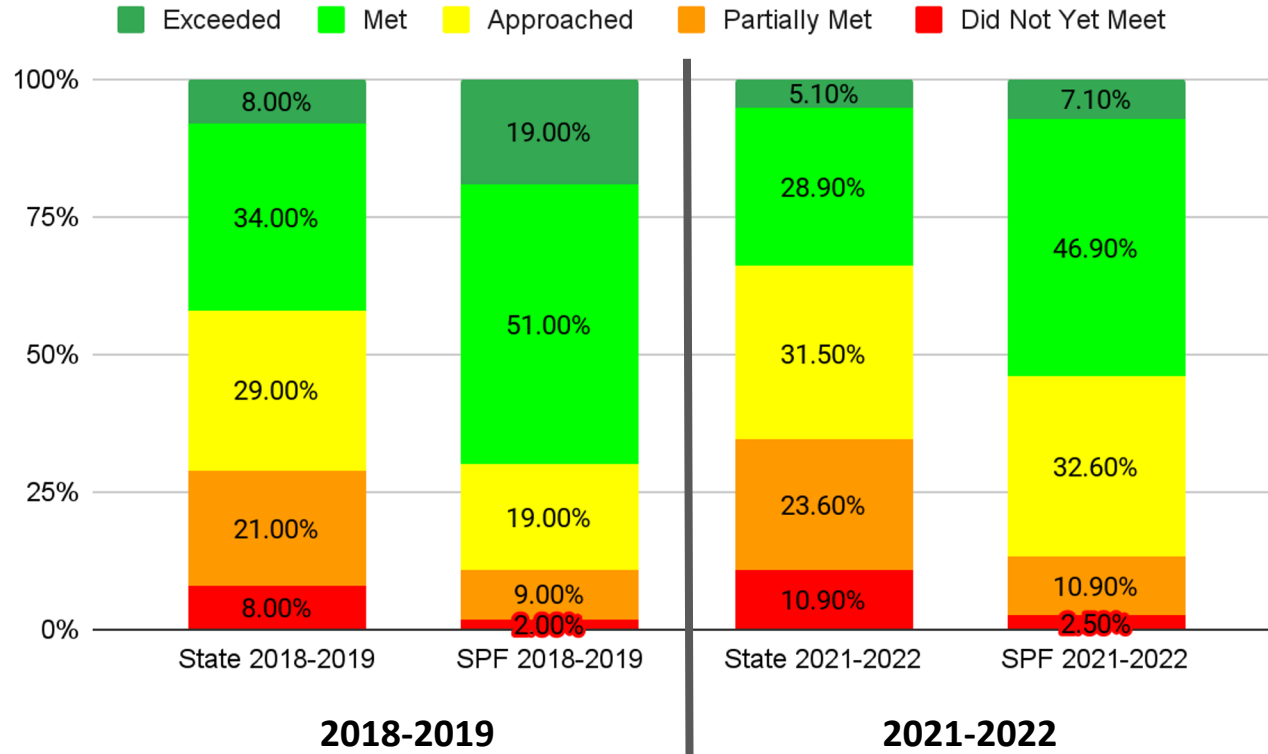
# ELA 7

## GRADE 7 - (2019 7th Grade compared to 2022 7th Grade)



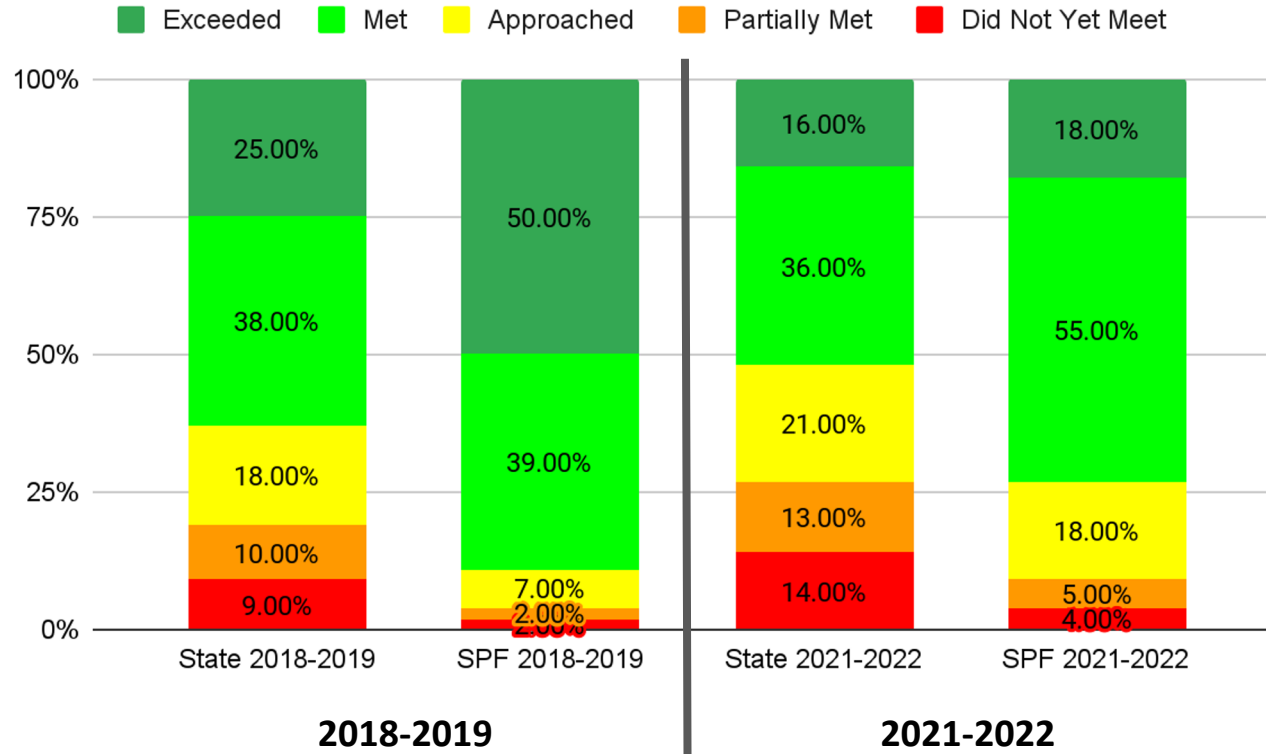
# Math 7

## GRADE 7 - (2019 7th Grade compared to 2022 7th Grade)



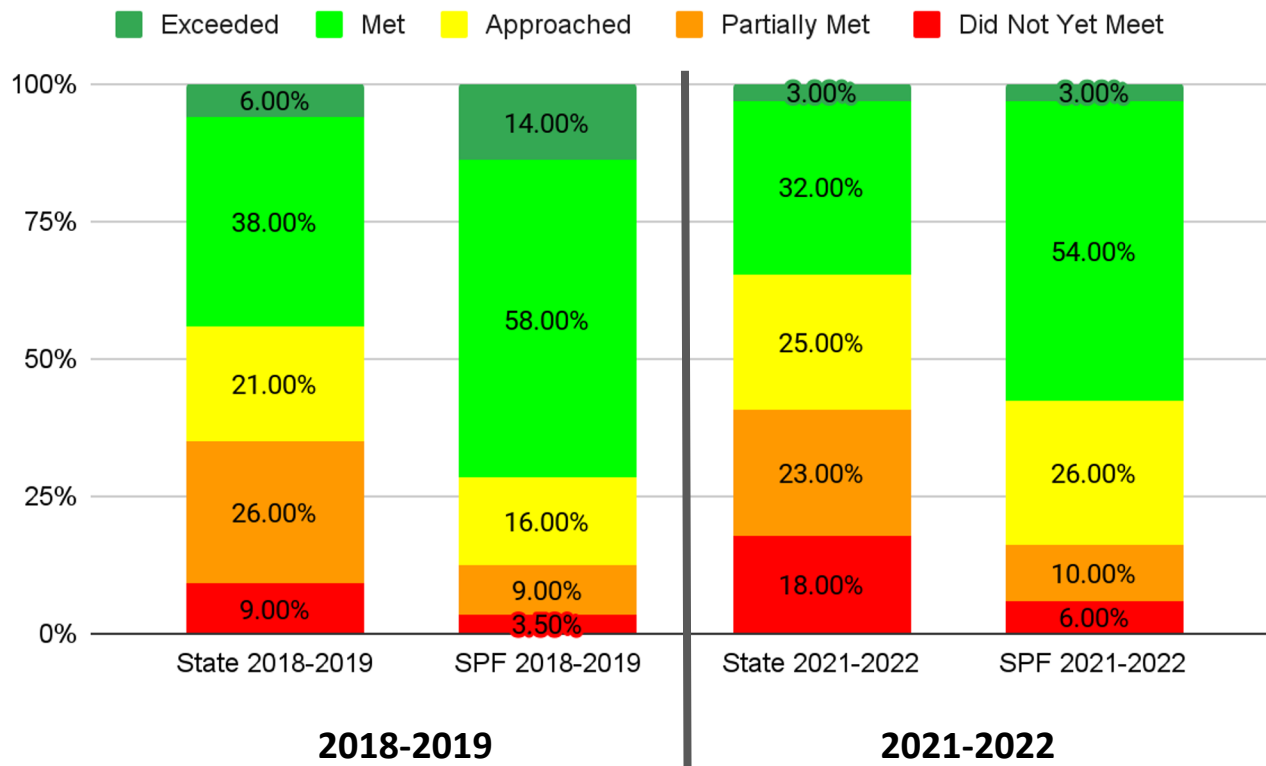
# ELA 8

## GRADE 8 - (2019 8th Grade compared to 2022 8th Grade)



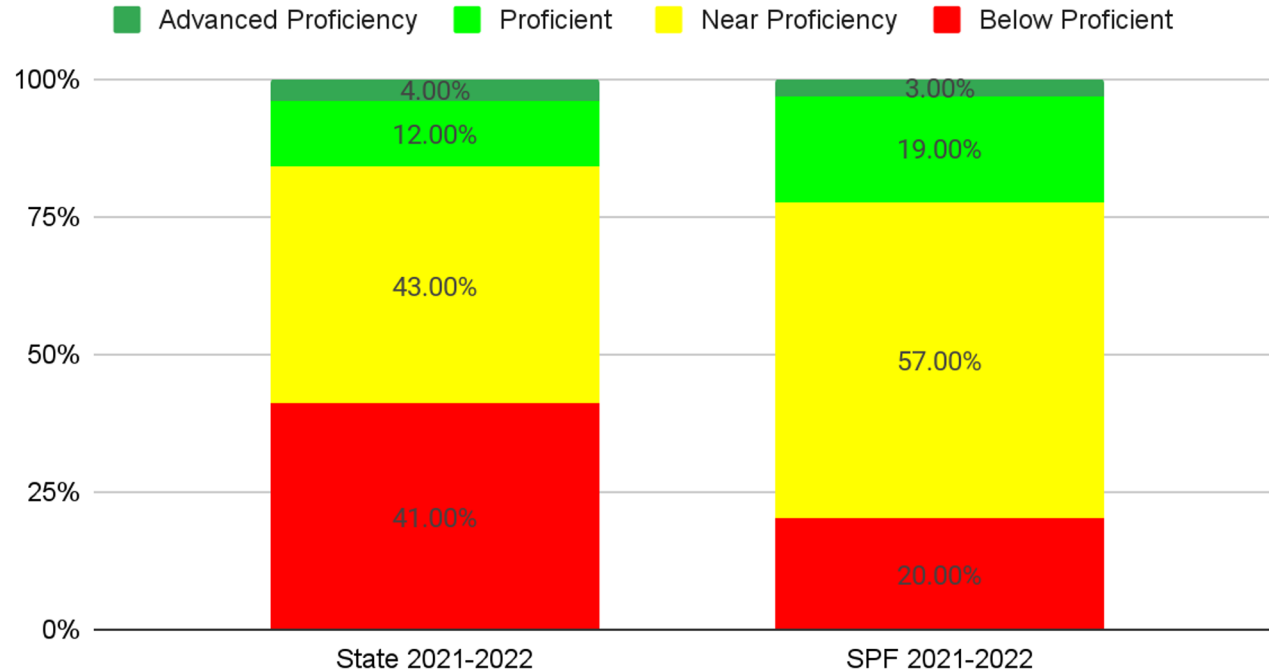
# Algebra I

## ALGEBRA I - (2019 Algebra I compared to 2022 Algebra I)



# Science 8

## GRADE 8 SCIENCE

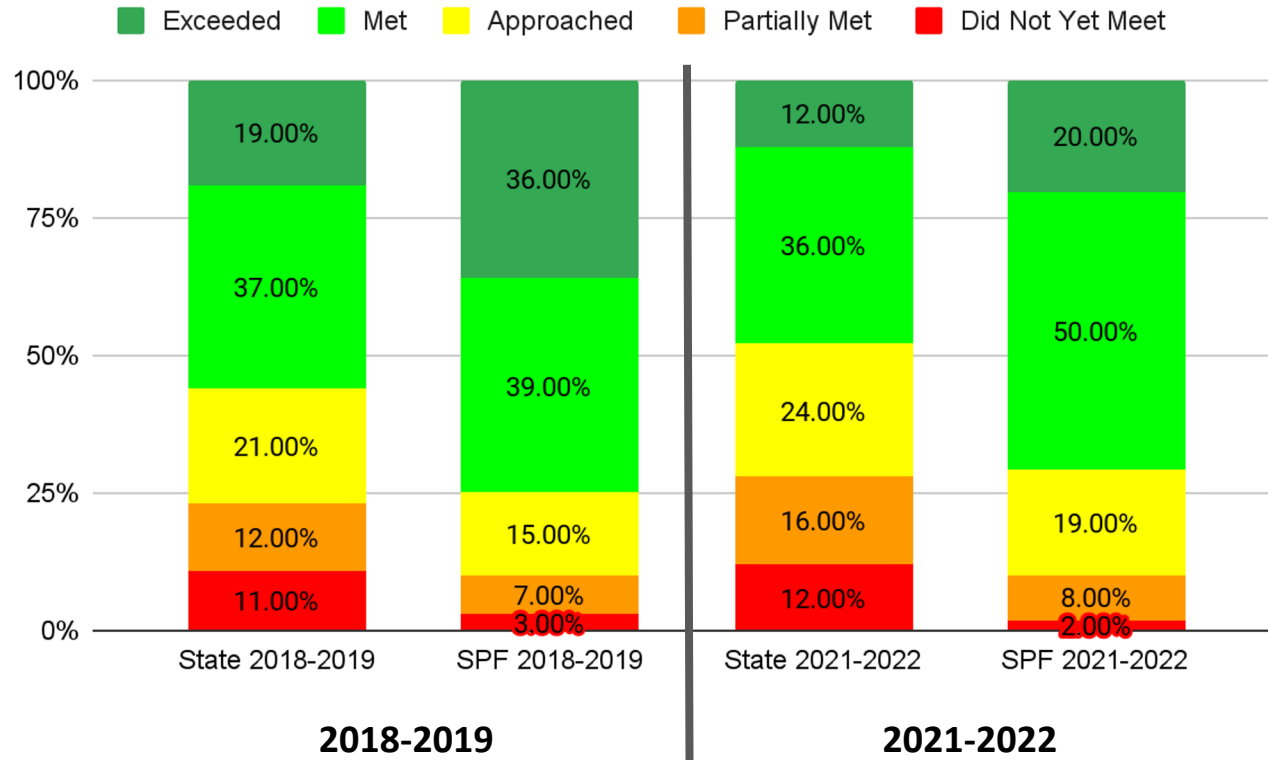




# High School

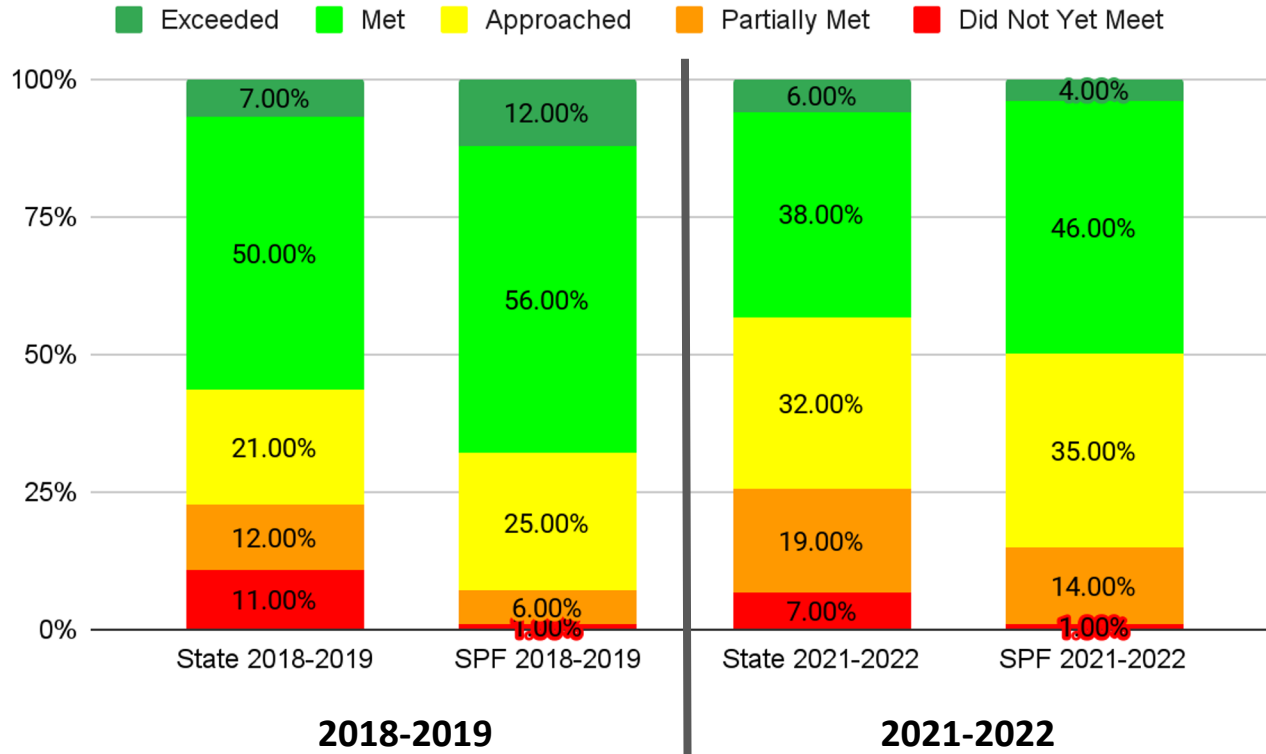
# ELA 9

## GRADE 9 - (2019 9th Grade compared to 2022 9th Grade)



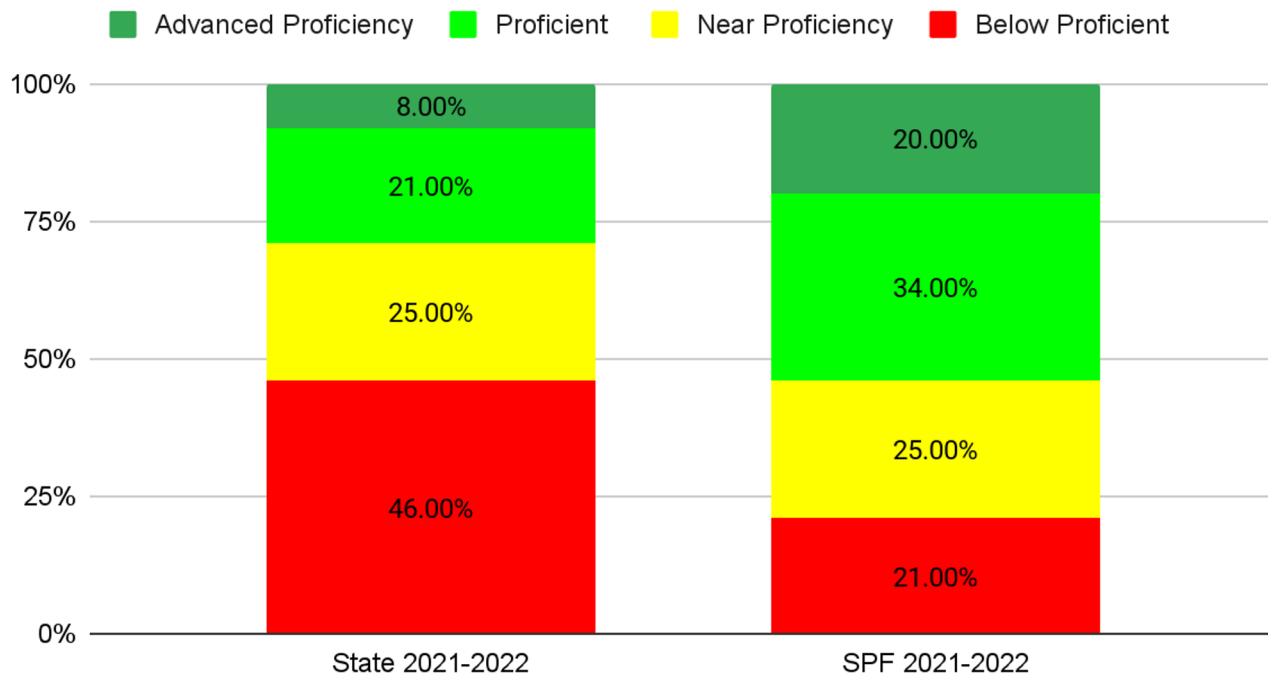
# Geometry

## Geometry - (2019 Geometry compared to 2022 Geometry)



# Science 11

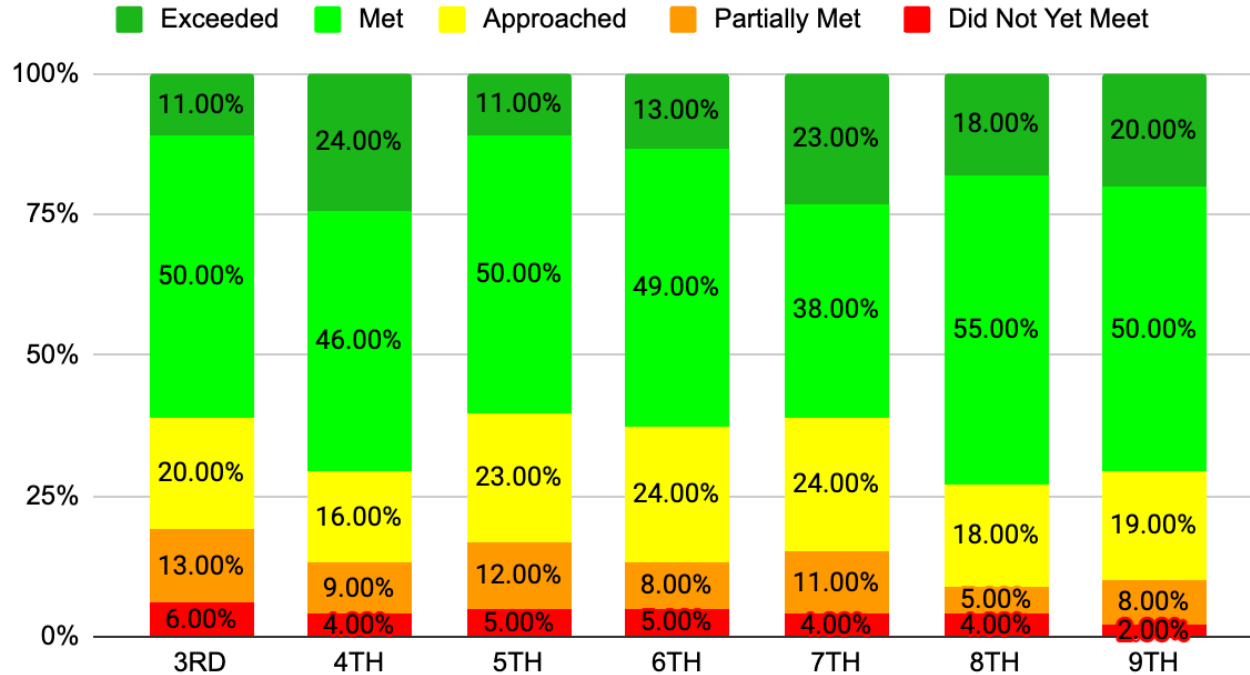
## GRADE 11 SCIENCE



# 2022 At A Glance

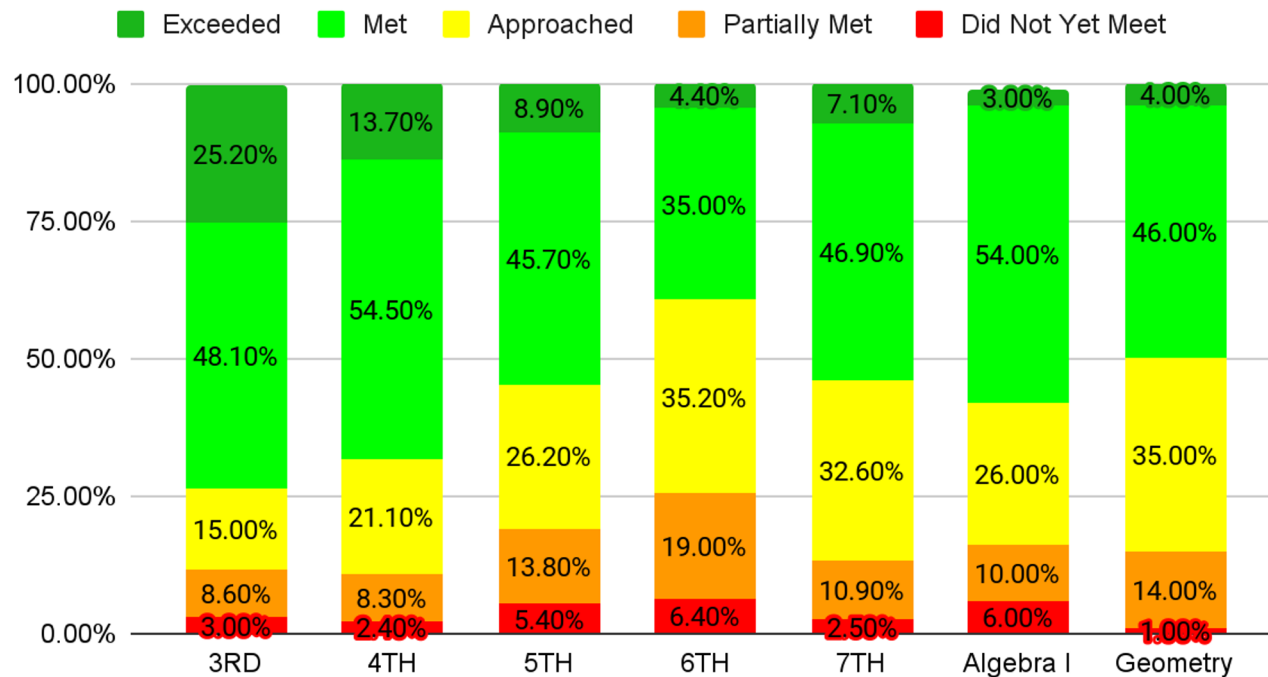
# ELA 2022 at a Glance

## GRADES 3-9 ELA DISTRICT



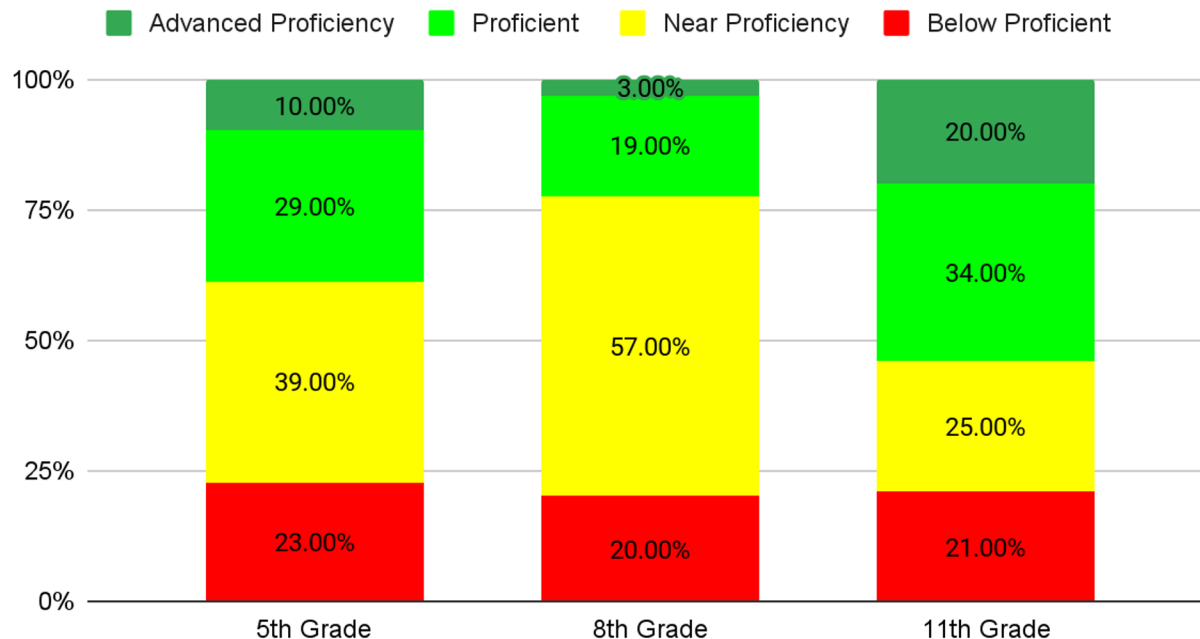
# Math 2022 at a Glance

## GRADE 3 MATH-GEOMETRY DISTRICT



# Science 5, 8 and 11 at a Glance

## Science 5th Grade, 8th Grade and 11th Grade 2022

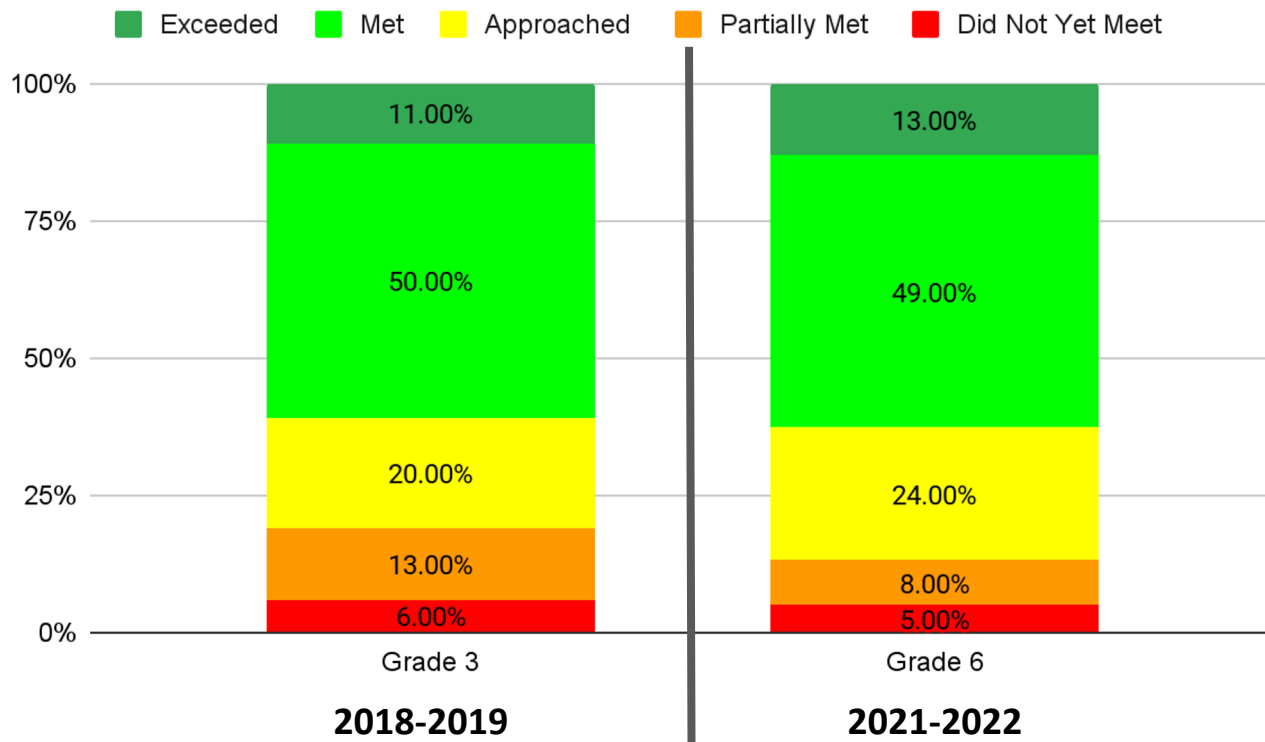




# Cohort Analysis 2019 to 2022

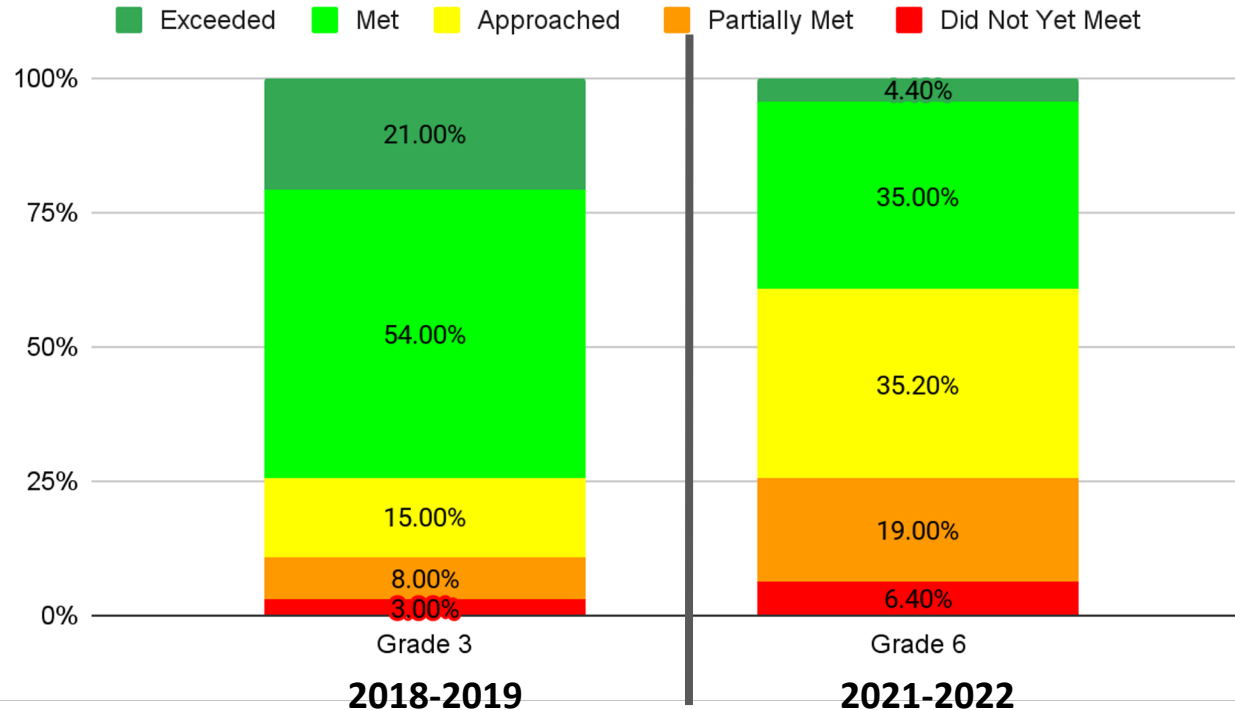
# ELA 6 Cohort Analysis

Cohort Analysis (Same Students - ELA Grade 3 to Grade 6)



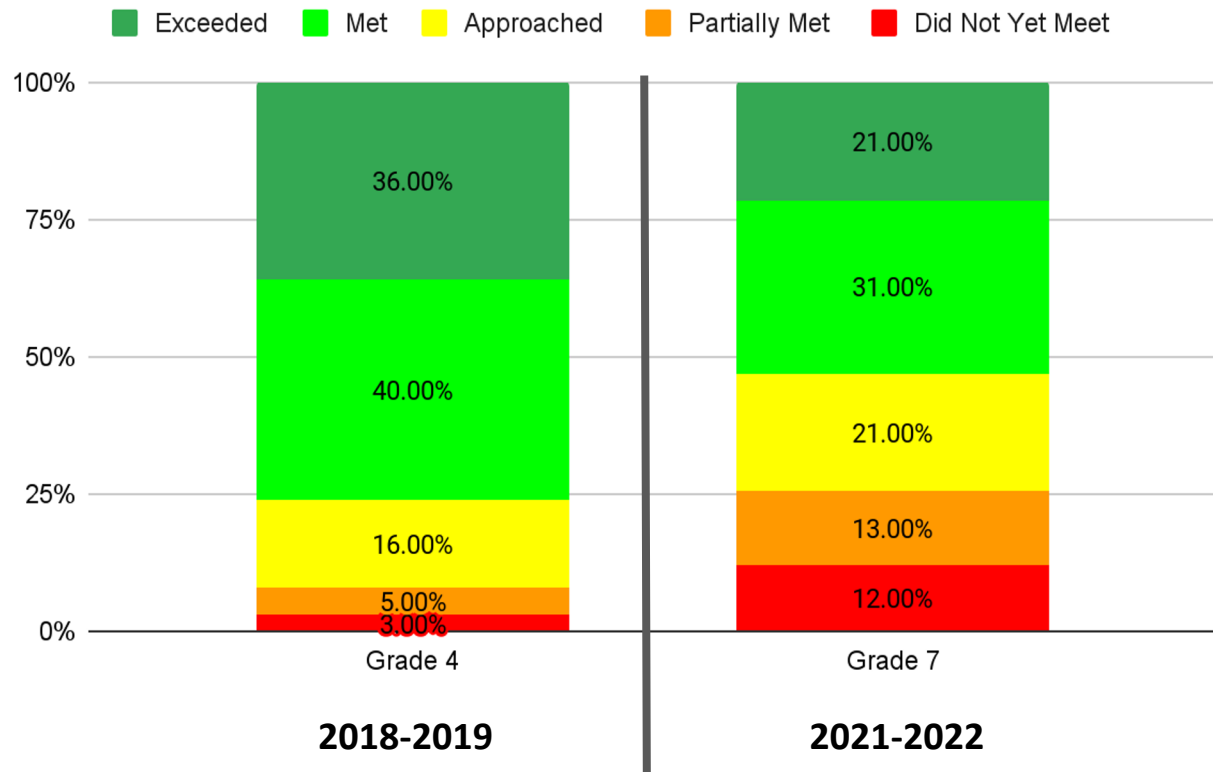
# Math 6 Cohort Analysis

## Cohort Analysis (Same Students - Math Grade 3 to Grade 6)



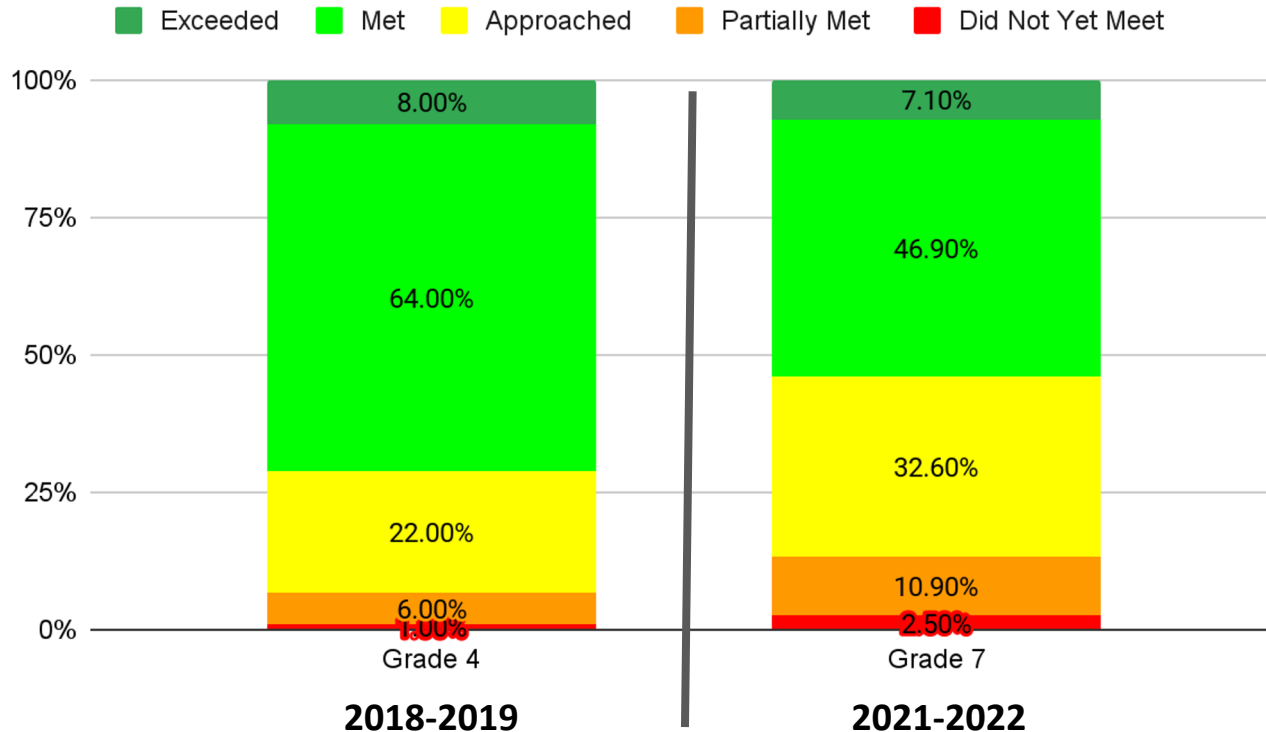
# ELA 7 Cohort Analysis

Cohort Analysis (Same Students - ELA Grade 4 to Grade 7)



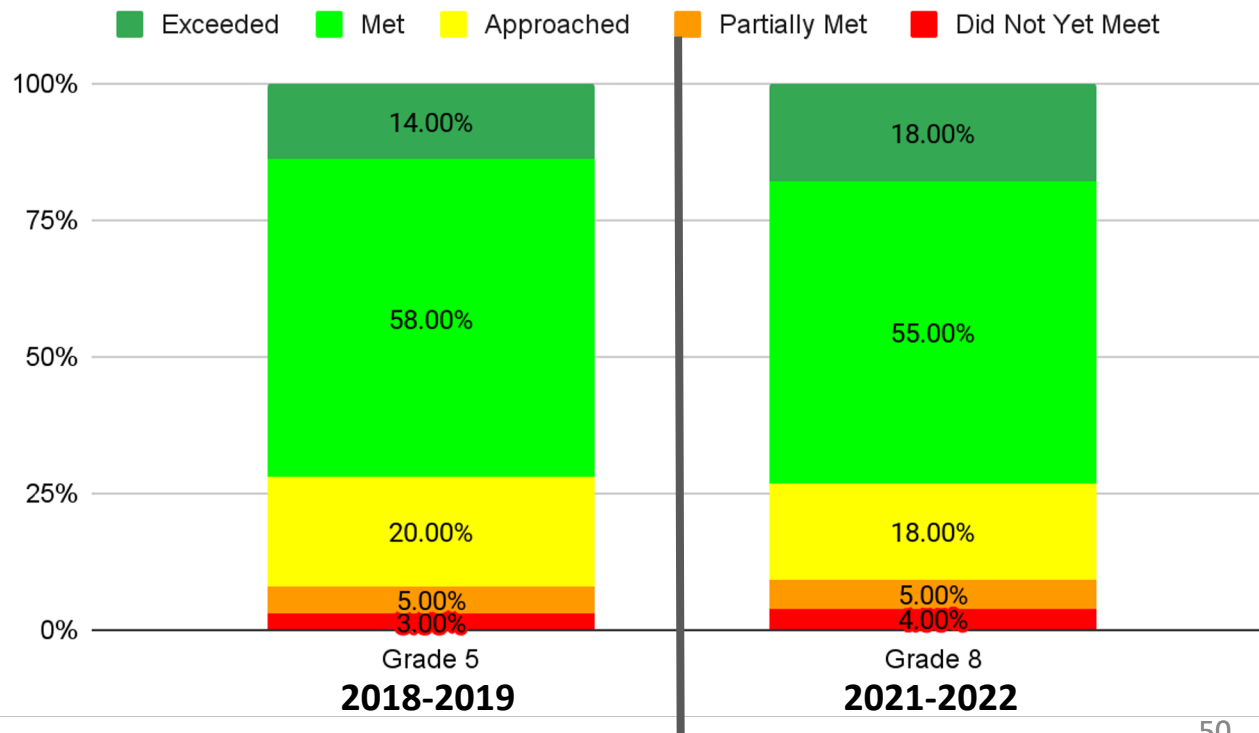
# Math 7 Cohort Analysis

## Cohort Analysis (Same Students - Math Grade 4 to Grade 7)



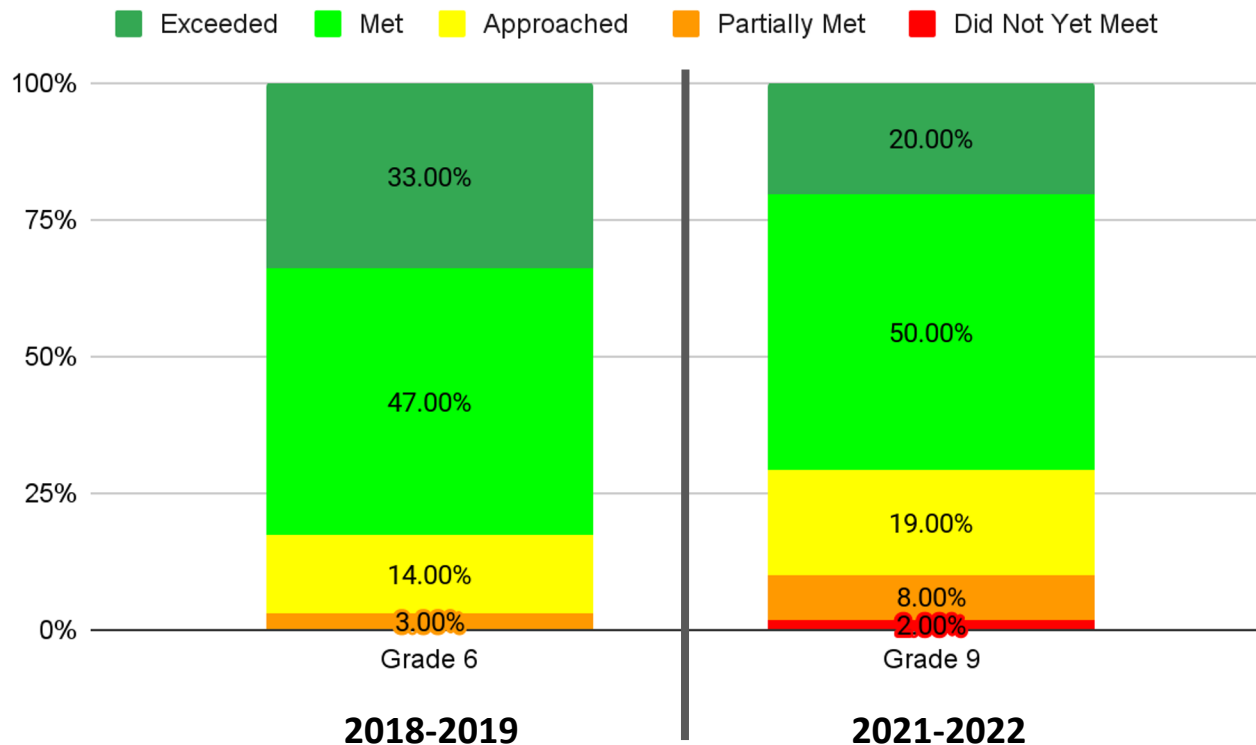
# ELA 8 Cohort Analysis

## Cohort Analysis (Same Students - ELA Grade 5 to Grade 8)



# ELA 9 Cohort Analysis

Cohort Analysis (Same Students - ELA Grade 6 to Grade 9)



# Deeper Dive:



## Disaggregated Results: ELA



## ELA % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY GENDER

	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9
<b>State</b>	42.00%	49.40%	49.60%	47.50%	52.70%	51.30%	48.90%
<b>Scotch Plains-Fanwood</b>	61.00% n=428	70.10% n=422	60.70% n=405	62.40% n=452	61.20% n=449	73.60% n=421	70.50% n=376
<b>Female</b>	70.00% n=213	79.50% n=219	65.00% n=217	71.20% n=222	68.50% n=200	79.40% n=199	79.50% n=200
<b>Male</b>	52.10% n=215	60.10% n=203	55.90% n=188	53.90% n=230	55.40% n=249	68.50% n=222	60.20% n=176
<b>Non-Binary/ Undesignated</b>	*	*	*	*	*	*	*

## ELA % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY RACE/ETHNICITY

	<b>Grade 3</b>	<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>	<b>Grade 7</b>	<b>Grade 8</b>	<b>Grade 9</b>
<b>State</b>	42.00%	49.40%	49.60%	47.50%	52.70%	51.30%	48.90%
<b>Scotch Plains-Fanwood</b>	61.00% n=428	70.10% n=422	60.70% n=405	62.40% n=452	61.20% n=449	73.60% n=421	70.50% n=376
<b>Hispanic/Latino</b>	54.70% n=53	60.60% n=66	52.60% n=57	50.00% n=74	49.20% n=59	58.30% n=60	62.30% n=61
<b>Asian</b>	83.30% n=48	80.40% n=56	72.40% n=58	81.00% n=58	81.00% n=42	81.40% n=43	78.80% n=33
<b>Black or African American</b>	50.00% n=30	63.20% n=22	44.00% n=25	50.00% n=32	36.40% n=33	50.00% n=32	60.70% n=28
<b>White</b>	57.80% n=263	69.80% n=252	60.80% n=250	63.30% n=267	61.80% n=283	78.40% n=273	72.50% n=233
<b>Two or More Races</b>	73.30% n=30	84.00% n=25	73.30% n=15	61.90% n=21	80.60% n=31	81.80% n=11	77.80% n=18

# ELA % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY PROGRAM

	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Grade 8	Grade 9
<b>State</b>	42.00%	49.40%	49.60%	47.50%	52.70%	51.30%	48.90%
<b>Scotch Plains-Fanwood</b>	61.00% n=428	70.10% n=422	60.70% n=405	62.40% n=452	61.20% n=449	73.60% n=421	70.50% n=376
<b>Students with Disabilities</b>	31.30% n=83	30.50% n=82	14.1% n=64	32.50% n=77	20.30% n=74	37.30% n=75	26.30% n=57
<b>Economically Disadvantaged</b>	40% n=10	40% n=10	*	10% n=10	42.9% n=14	*	66.70% n=15
<b>504</b>	33% n=15	37.5% n=16	20.8% n=24	45.5% n=22	43.2% n=37	60.6% n=33	61.1% n=18
<b>English Language Learners</b>	40% n=10	10% n=10	*	*	*	*	*

# Deeper Dive:



## Disaggregated Results: Math

# MATH % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY GENDER

	<b>Grade 3</b>	<b>Grade 4</b>	<b>Grade 5</b>	<b>Grade 6</b>	<b>Grade 7</b>	<b>Algebra I</b>	<b>Geometry</b>
<b>State</b>	45.40%	39.40%	36.10%	31.30%	34.10%	34.80%	44.00%
<b>Scotch Plains-Fanwood</b>	73.40% n=428	68.20% n=422	54.60% n=405	39.40% n=452	54.00% n=448	57.80% n=474	49.50% n=297
<b>Female</b>	75.10% n=215	68.50% n=219	52.10% n=217	38.30% n=222	49.00% n=200	55.10% n=225	44.80% n=163
<b>Male</b>	71.60% n=213	68.00% n=203	57.40% n=188	40.40% n=230	58.10% n=248	60.20% n=249	55.60% n=133
<b>Non-Binary/ Undesignated</b>	*	*	*	*	*	*	*

# MATH % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY RACE/ETHNICITY

	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Algebra I	Geometry
<b>State</b>	45.40%	39.40%	36.10%	31.30%	34.10%	34.80%	44.00%
<b>Scotch Plains-Fanwood</b>	73.40% n=428	68.20% n=422	54.60% n=405	39.40% n=452	54.00% n=448	57.80% n=474	49.50% n=297
<b>Hispanic/Latino</b>	56.60% n=53	45.50% n=66	47.40% n=57	28.40% n=74	42.40% n=59	45.90% n=74	34.20% n=38
<b>Asian</b>	89.60% n=48	78.60% n=56	74.10% n=58	69.00% n=58	71.40% n=42	82.20% n=45	63.30% n=30
<b>Black or African American</b>	66.70% n=30	45.50% n=22	28.00% n=25	28.10% n=32	31.20% n=33	39.50% n=38	35.3% n=17
<b>White</b>	73.00% n=263	72.20% n=252	54.80% n=250	35.20% n=267	56.00% n=282	59.80% n=301	51.10% n=196
<b>Two or More Races</b>	86.70% n=30	88.00% n=25	46.70% n=15	66.70% n=21	67.70% n=31	53.80% n=13	57.10% n=14

# MATH % Meeting/Exceeding Grade Level Expectations DISAGGREGATED BY PROGRAM

	Grade 3	Grade 4	Grade 5	Grade 6	Grade 7	Algebra I	Geometry
<b>State</b>	45.40%	39.40%	36.10%	31.30%	34.10%	34.80%	44.00%
<b>Scotch Plains-Fanwood</b>	73.40% n=428	68.20% n=422	54.60% n=405	39.40% n=452	54.00% n=448	57.80% n=474	49.50% n=297
<b>Students with Disabilities</b>	42.20% n=83	37.80% n=82	12.5% n=64	15.60% n=77	16.40% n=73	28.00% n=82	18.5% n=27
<b>Economically Disadvantaged</b>	*	30% n=10	*	20% n=10	21.4% n=14	40% n=15	*
<b>504</b>	66.7% n=15	56.3% n=16	33.3% n=24	36.4% n=22	48.6% n=37	45.9% n=37	64.3% n=14
<b>English Language Learners</b>	50% n=10	0% n=10	*	*	*	*	*

# Deeper Dive:



## Disaggregated Results: Science



# SCIENCE % Proficient/Advanced Proficient DISAGGREGATED BY GENDER

	Grade 5	Grade 8	Grade 11
State	25.50%	15.60%	29.00%
Scotch Plains-Fanwood	38.30% n=410	22.10% n=424	54.20% n=360
Female	36.40% n=221	22.60% n=199	55.20% n=183
Male	40.40% n=189	21.60% n=225	53.20% n=177
Non-Binary/Undesignated	*	*	*

# SCIENCE % Proficient/Advanced Proficient DISAGGREGATED BY RACE/ETHNICITY

	<b>Grade 5</b>	<b>Grade 8</b>	<b>Grade 11</b>
<b>State</b>	25.50%	15.60%	29.00%
<b>Scotch Plains-Fanwood</b>	38.30% n=410	22.10% n=424	54.20% n=360
<b>Hispanic/Latino</b>	24.60% n=58	13.3% n=60	47.40% n=60
<b>Asian</b>	48.30% n=58	34.90% n=43	73.70% n=39
<b>Black or African American</b>	16% n=25	6.3% n=33	34.8% n=25
<b>White</b>	40.80% n=254	24.20% n=275	54.30% n=218
<b>Two or More Races</b>	46.7% n=15	9.1% n=11	56.3% n=17

# SCIENCE % Proficient/Advanced Proficient DISAGGREGATED BY PROGRAM

	<b>Grade 5</b>	<b>Grade 8</b>	<b>Grade 11</b>
<b>State</b>	25.50%	15.60%	29.00%
<b>Scotch Plains-Fanwood</b>	38.30% n=410	22.10% n=424	54.20% n=360
<b>Students with Disabilities</b>	10.9% n=67	4.1% n=76	14.3% n=61
<b>Economically Disadvantaged</b>	*	*	*
<b>504</b>	*	27.3% n=33	58.30% 41
<b>English Language Learners</b>	*	*	*

# Summary Observations and Actions



# Summary Observations and Actions



- Our students continue to perform above state averages in all assessments given.
  - ELA
    - More than 61% of students scored in the “Met or Exceeded Expectations” levels at every grade level with greater than 70% doing so in Grades 4, 8 and 9.
    - Fewer than 6% of students scored in the “Not Yet Meeting Grade Level Expectations” range.
  - Math
    - On average, students in grades 3-5 performed similarly to pre-pandemic cohorts of students in these same grade levels.
    - Fewer than 7% of students scored in the “Not Yet Meeting Grade Level Expectations” range at every grade level.

# Summary **Observations** and Actions



- More students scored in the “Approaching Grade Level Expectations” range on the NJSLA ELA, Math and Science assessments than in years prior to the pandemic.
- Our teachers, students and families worked incredibly hard throughout the pandemic.

# Summary Observations and Actions



- Conduct data cycles to determine individual:
  - Areas of Strength
  - Areas for Support
  - Strategies for Individual Growth and Curriculum Pacing
- Conduct deeper data dives into subgroups with performance gaps.
- Continue to use this data as one of several measures to identify students for Basic Skills intervention, other in school-supports, enrichment, summer programming and progress monitoring.

# Summary Observations and Actions



- Professional Development
  - Culturally responsive instruction.
  - Trauma-informed instruction.
  - Using MAP data to differentiate instruction/promote growth
  - Provide greater grade band- focused curriculum supervision and teacher support in ELA and Math.
- Partner with the TriState Consortium
  - Study the supports in place in literacy instruction within our district's special education continuum to maximize student learning.
- Conduct Action Research
  - In collaboration w/NORC & The University of Chicago we will explore students' sense of belonging and inclusion in mathematics and how their perceived sense of belonging impacts their performance.





**What do state test results not tell us about you as a student?**

# Student Voices



The state test results don't show how I learn and participate in class. It only shows my understanding of the questions on the test and not about what I have learned and am learning in class. - A.C.

# Student Voices



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State test results don't show my other strengths in the classroom, such as my ability to teach others and my strong work ethic. – M.S.

# Student Voices



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State test results don't show my other strengths in the classroom, such as my ability to teach others and my strong work ethic. – M.S.

They don't tell us if we're a leader and who we really are as a person. It doesn't show that we are well rounded. L.M.

# Student Voices



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State test results don't show my other strengths in the classroom, such as my ability to teach others and my strong work ethic. - M.S.

State tests do not tell you about my capability as a student. - C.F.

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**Behind every data point there is a child.**

**Visit the district website to view the presentation and to learn more...**



**Thank you!**