

Student Academic Data

Presented to School Committee November 21, 2024

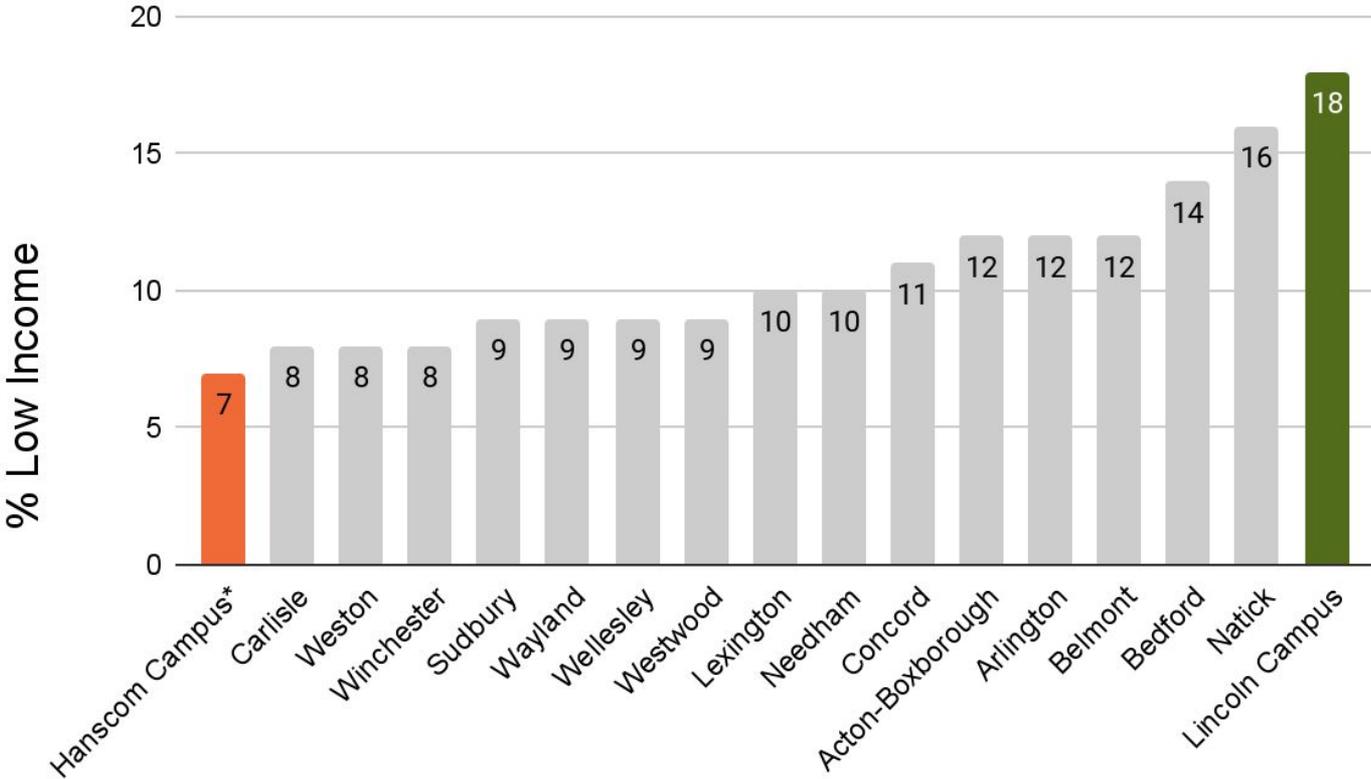


How we use academic data...

- Internally
- Externally



% Low Income



* Hanscom Campus undercounted due to DESE methodology based on participation in state assistance programs

2024 MCAS



Achievement

- Performance in relationship to grade level expectations (as measured by the assessment)
- Typically reported out as Achievement Levels:
 - Not Meeting Expectations
 - Partially Meeting Expectations
 - Meeting Expectations
 - Exceeding Expectations
- Sensitive to changes in cohort, small cohort sizes, assessment bias

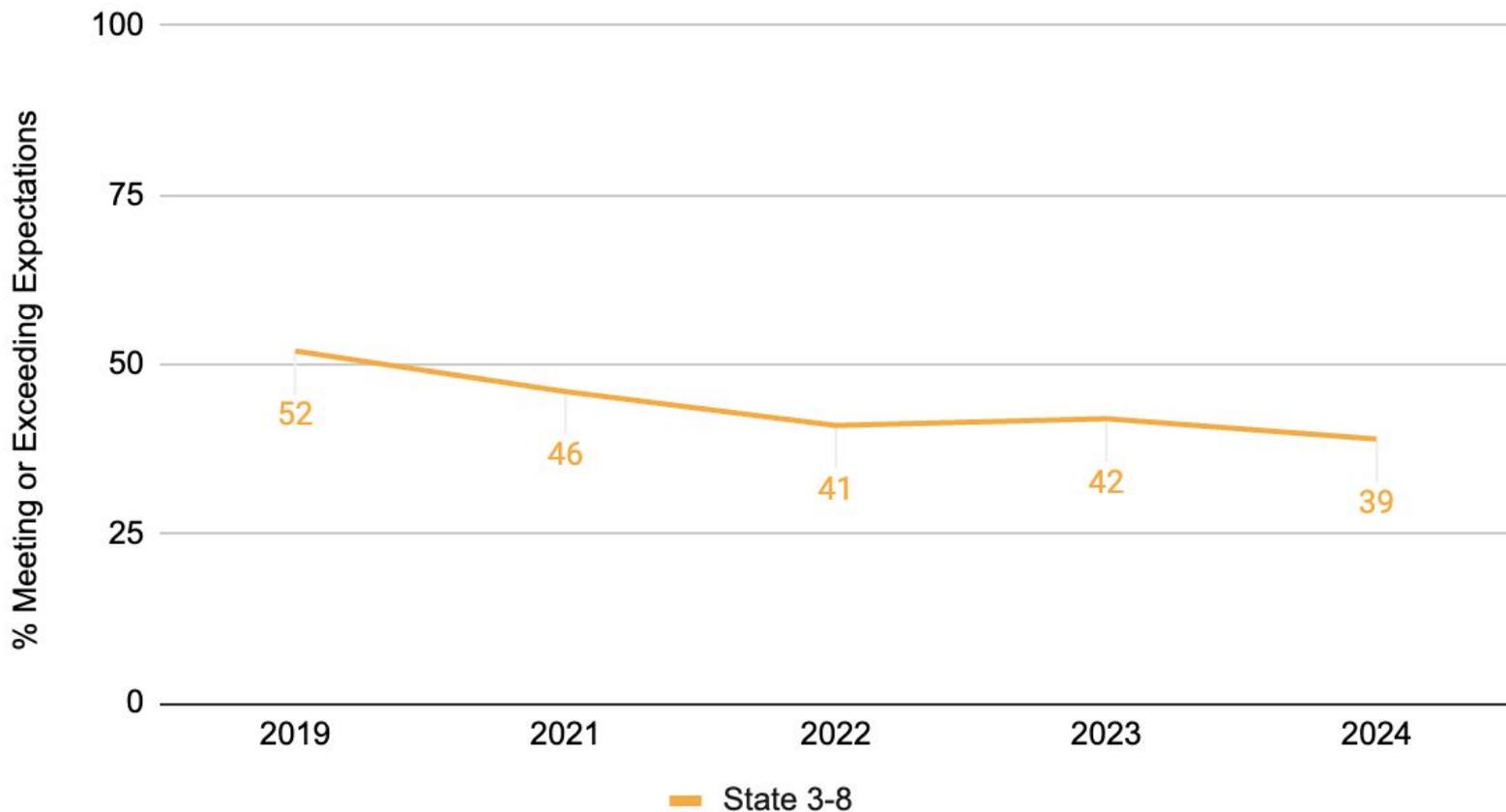
Growth

- Performance relative to peers state-wide with similar prior performance
- Reported as SGP (Student Growth Percentile)
- Limitations at Hanscom due to the large percentage of students (~30%) taking MCAS for the first time each year.

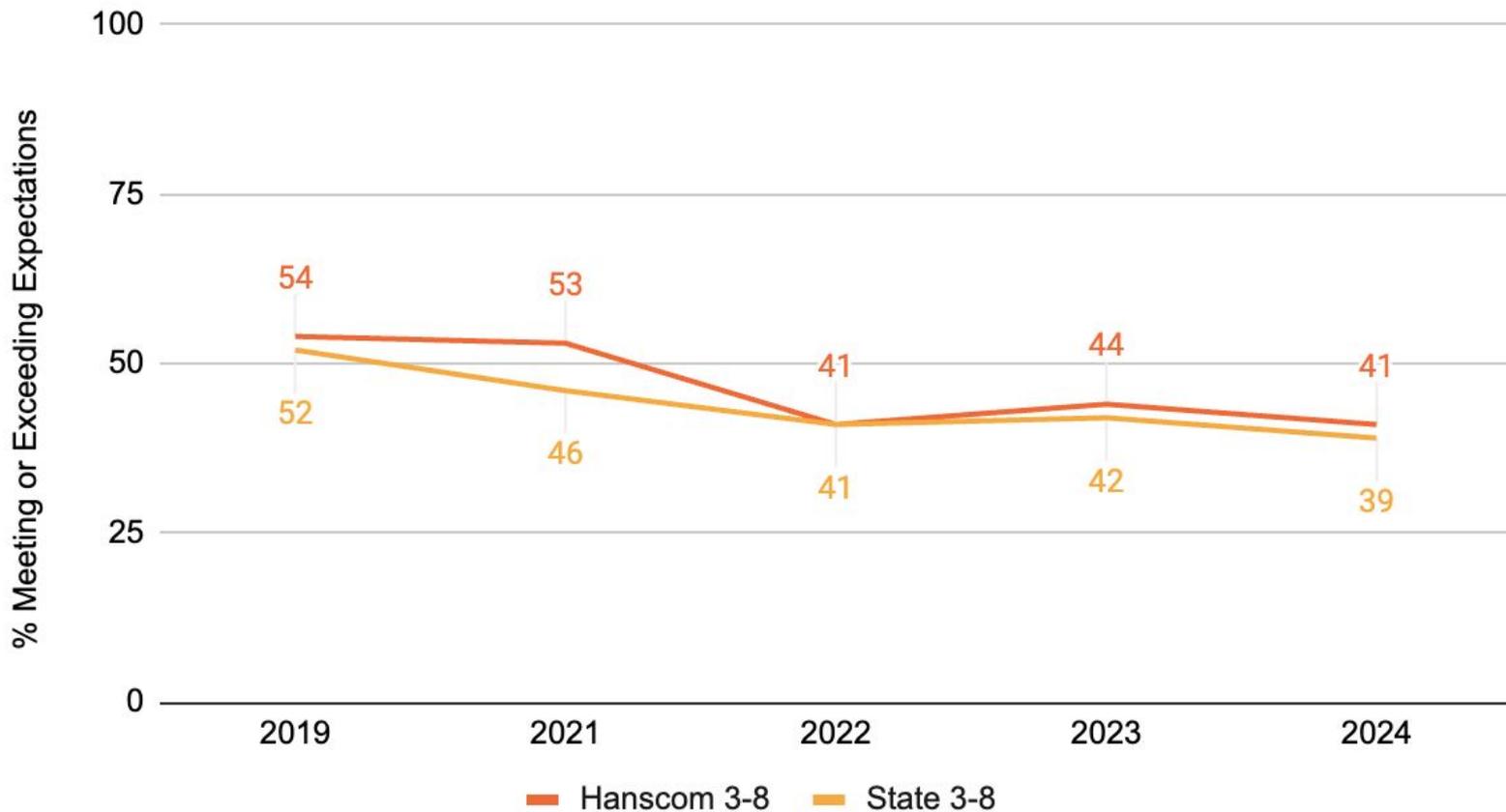


MCAS ELA

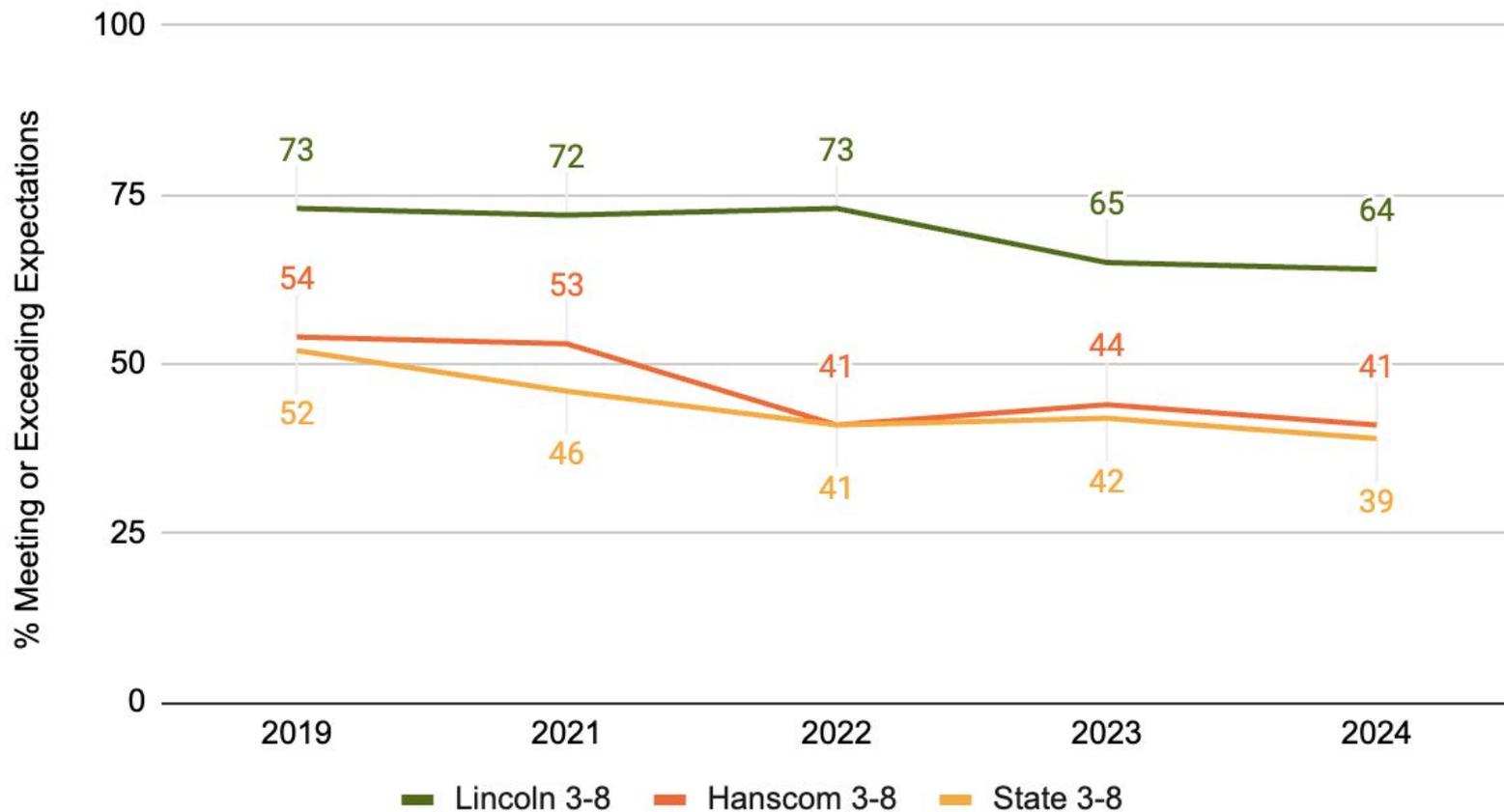
Students Meeting & Exceeding Expectations in ELA 2019-2024

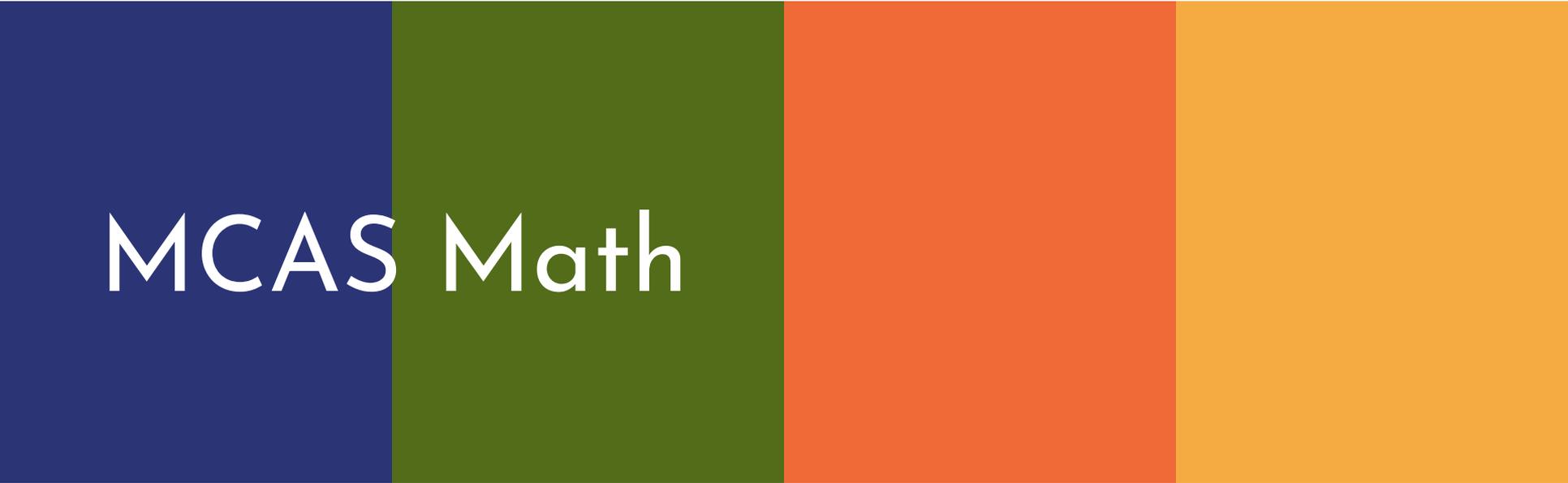


Students Meeting & Exceeding Expectations in ELA 2019-2024



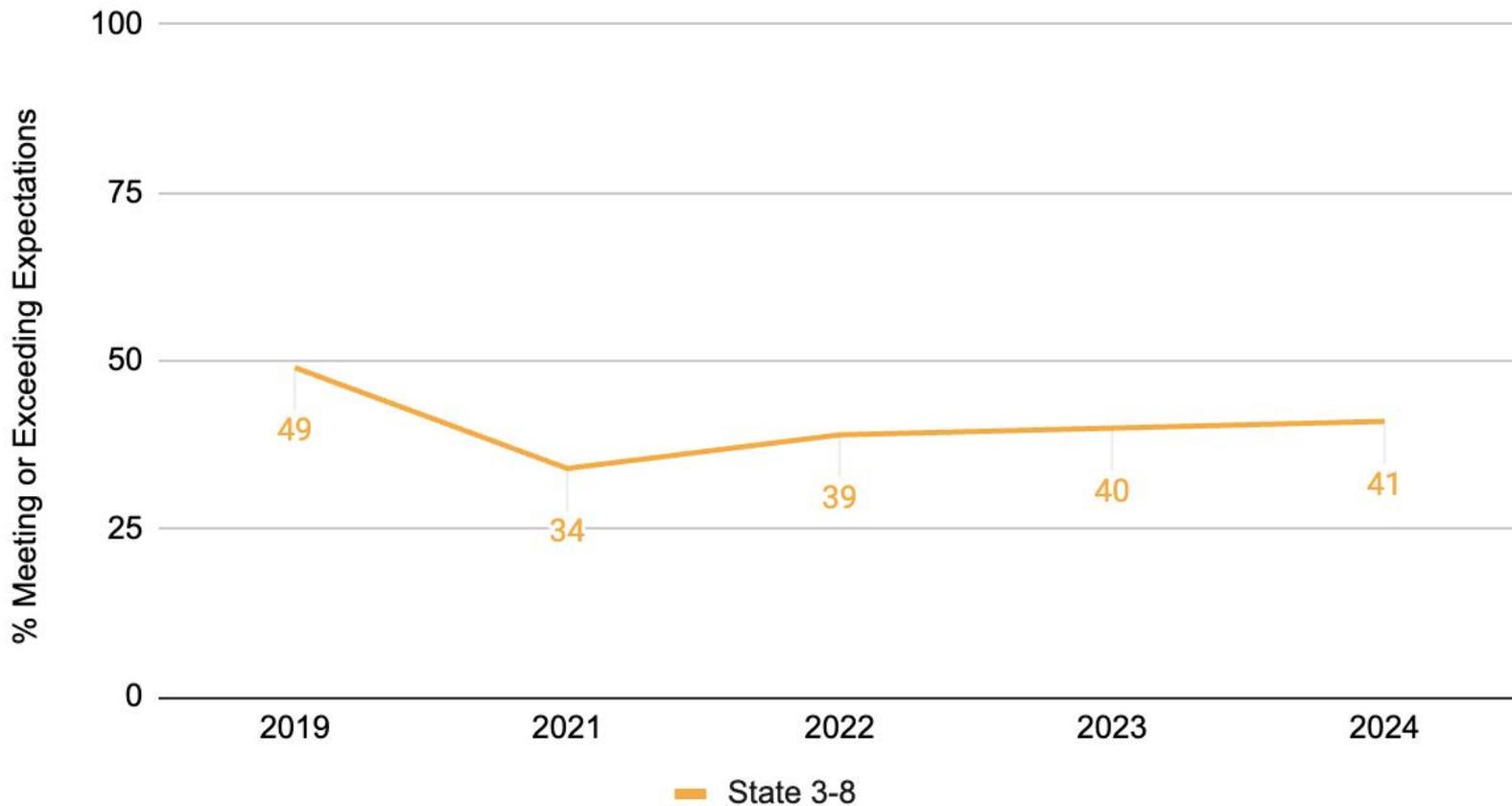
Students Meeting & Exceeding Expectations in ELA 2019-2024



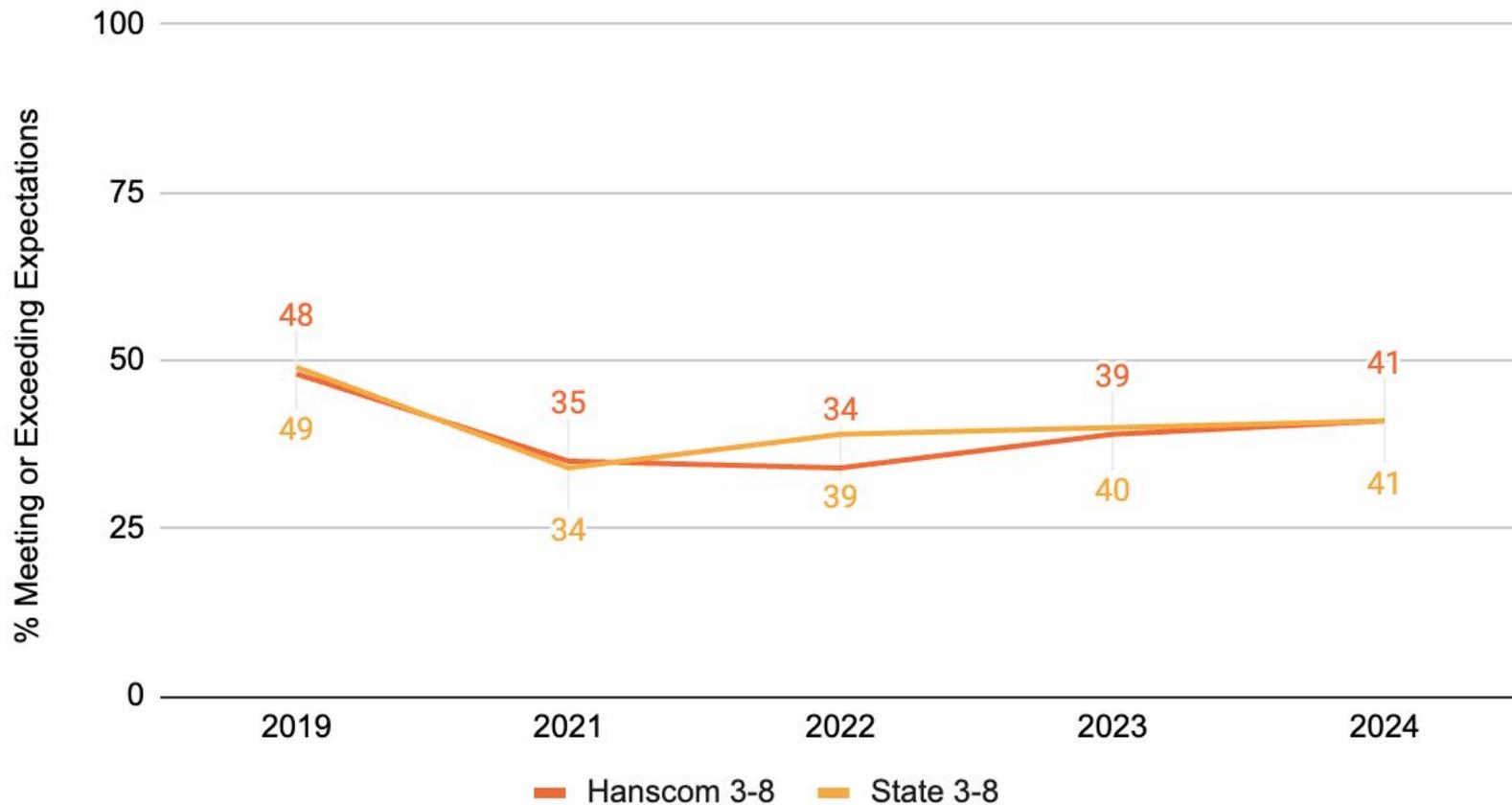


MCAS Math

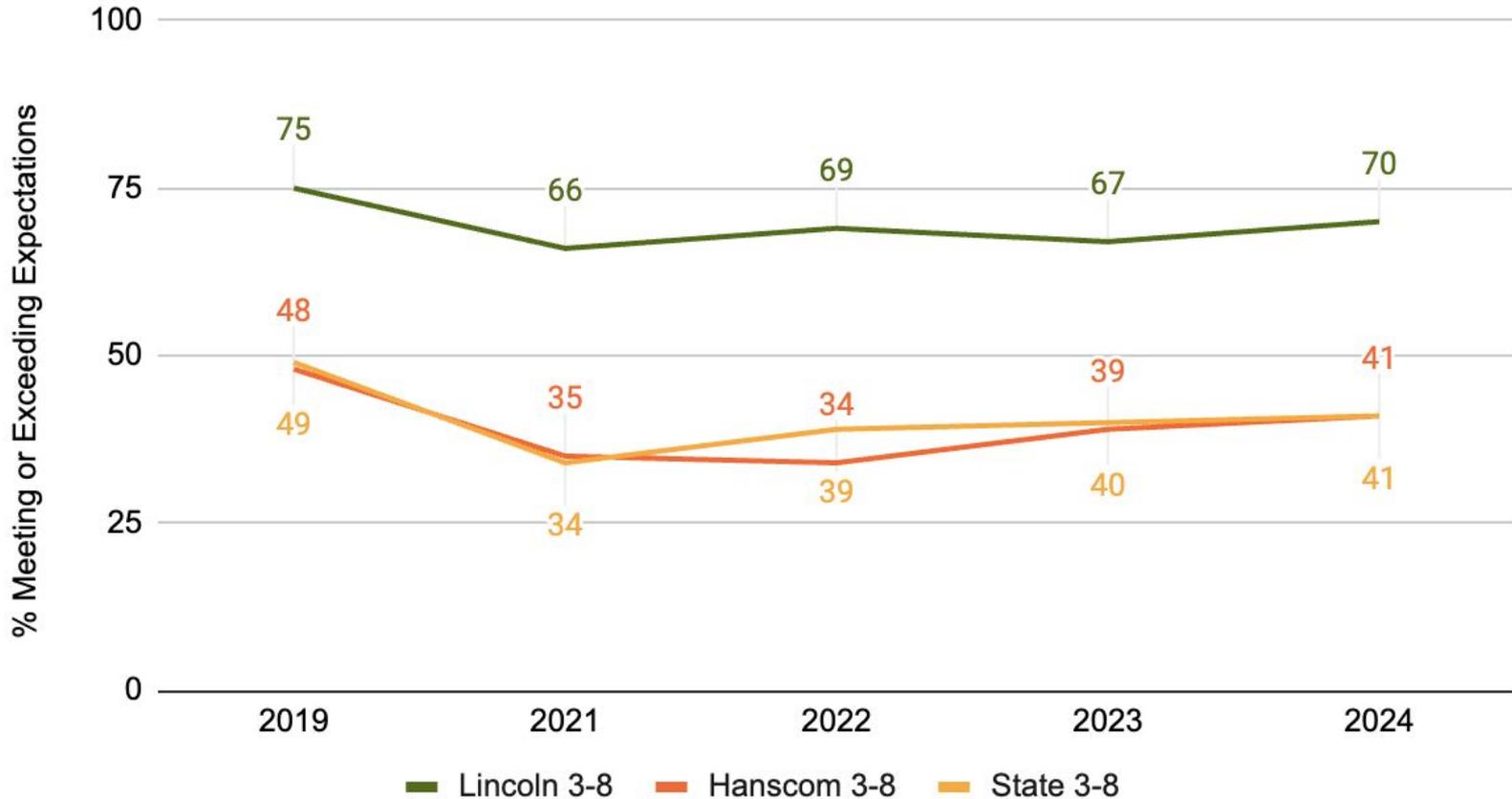
Students Meeting & Exceeding Expectations in Math 2019-2024



Students Meeting & Exceeding Expectations in Math 2019-2024



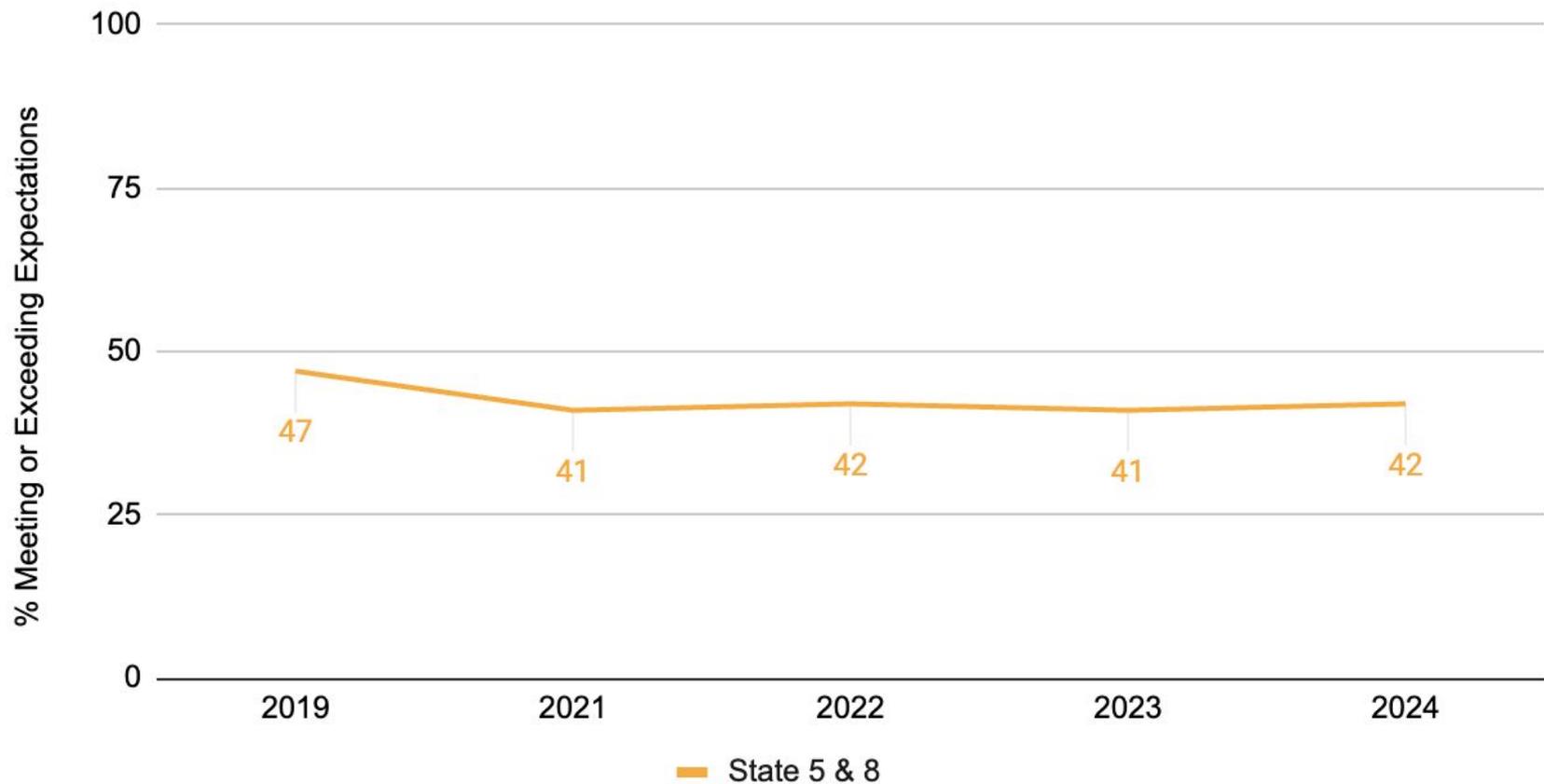
Students Meeting & Exceeding Expectations in Math 2019-2024



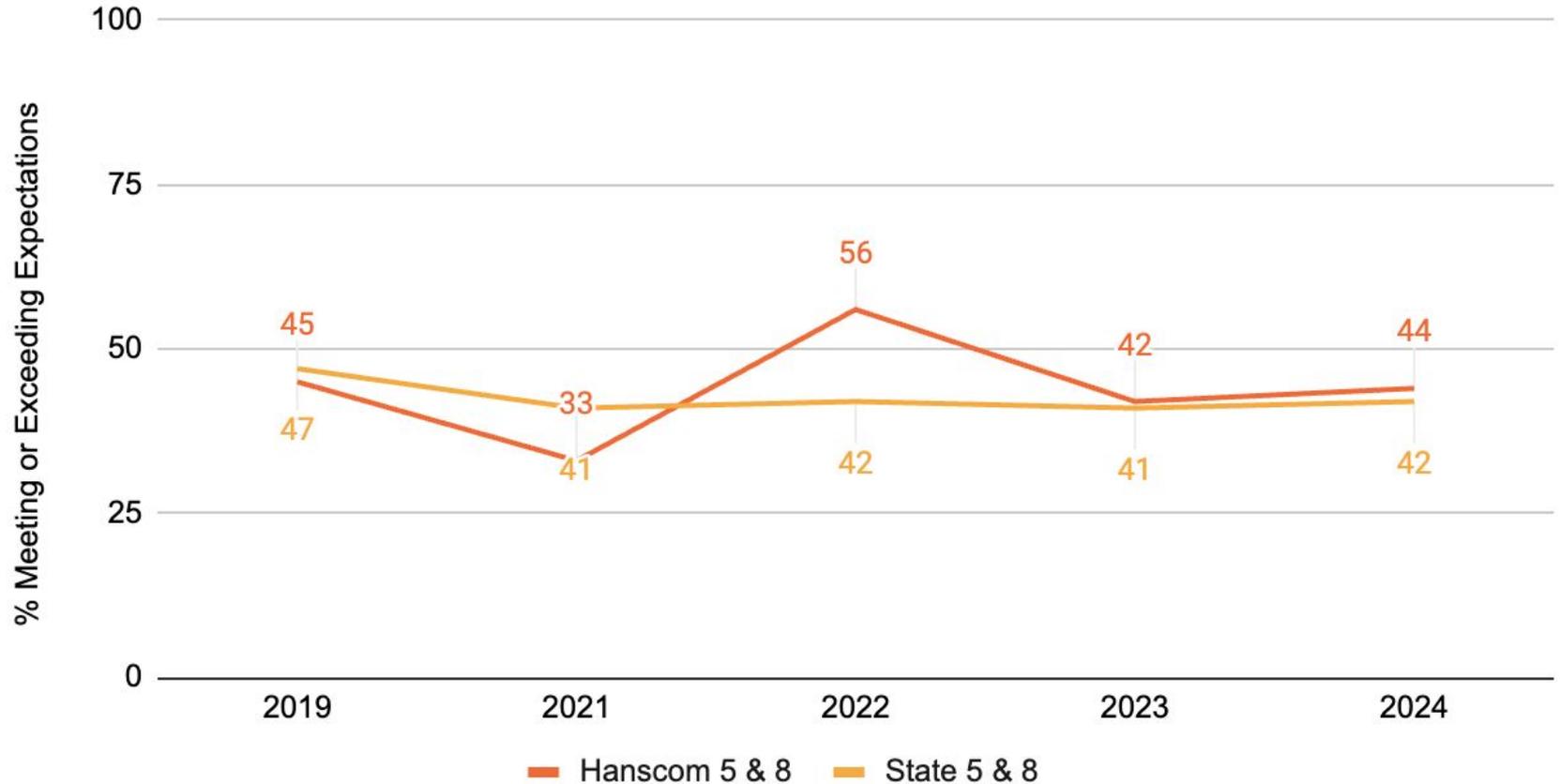


MCAS Science (STE)

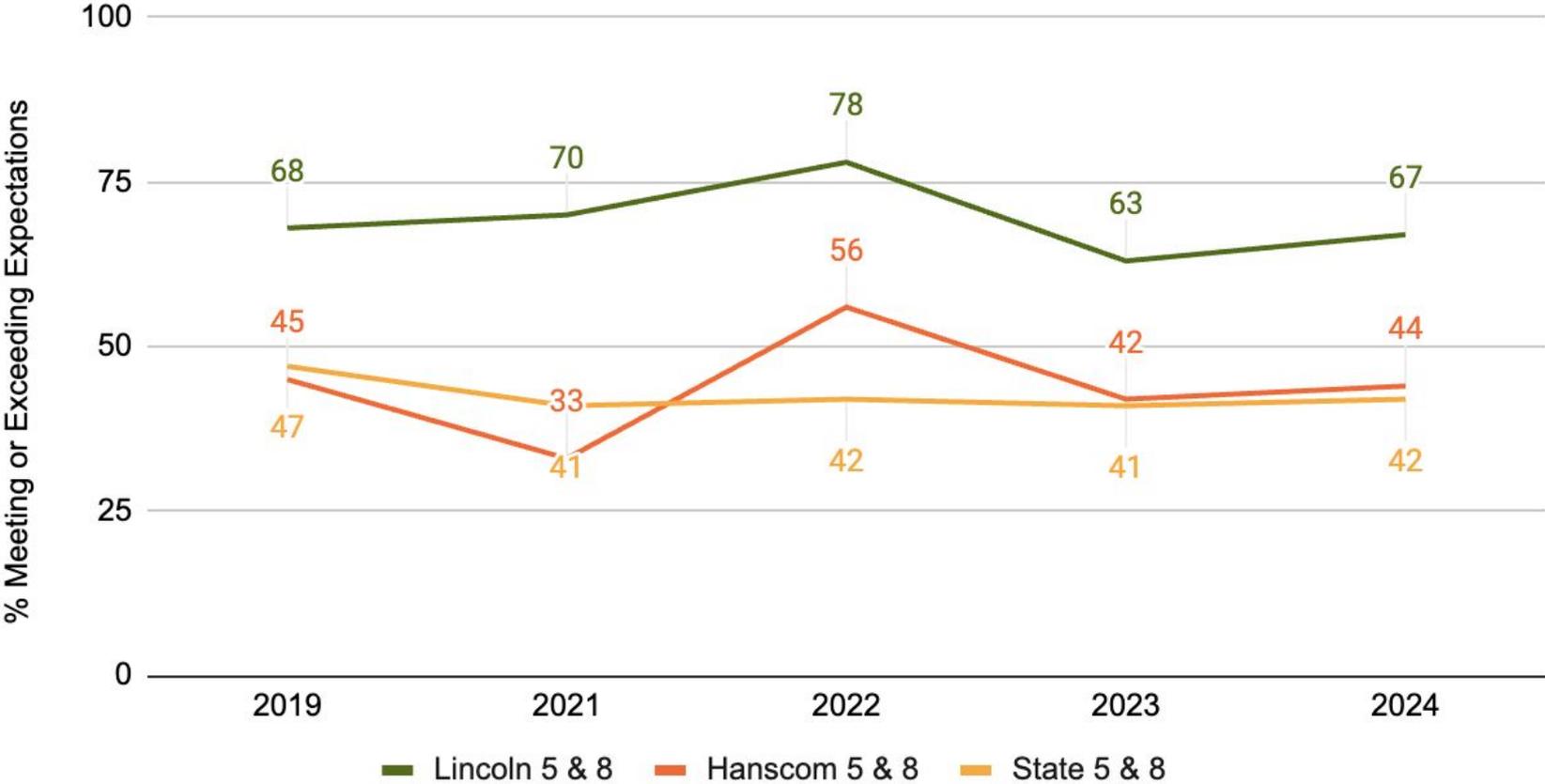
Students Meeting & Exceeding Expectations in Science 2019-2024



Students Meeting & Exceeding Expectations in Science 2019-2024



Students Meeting & Exceeding Expectations in Science 2019-2024





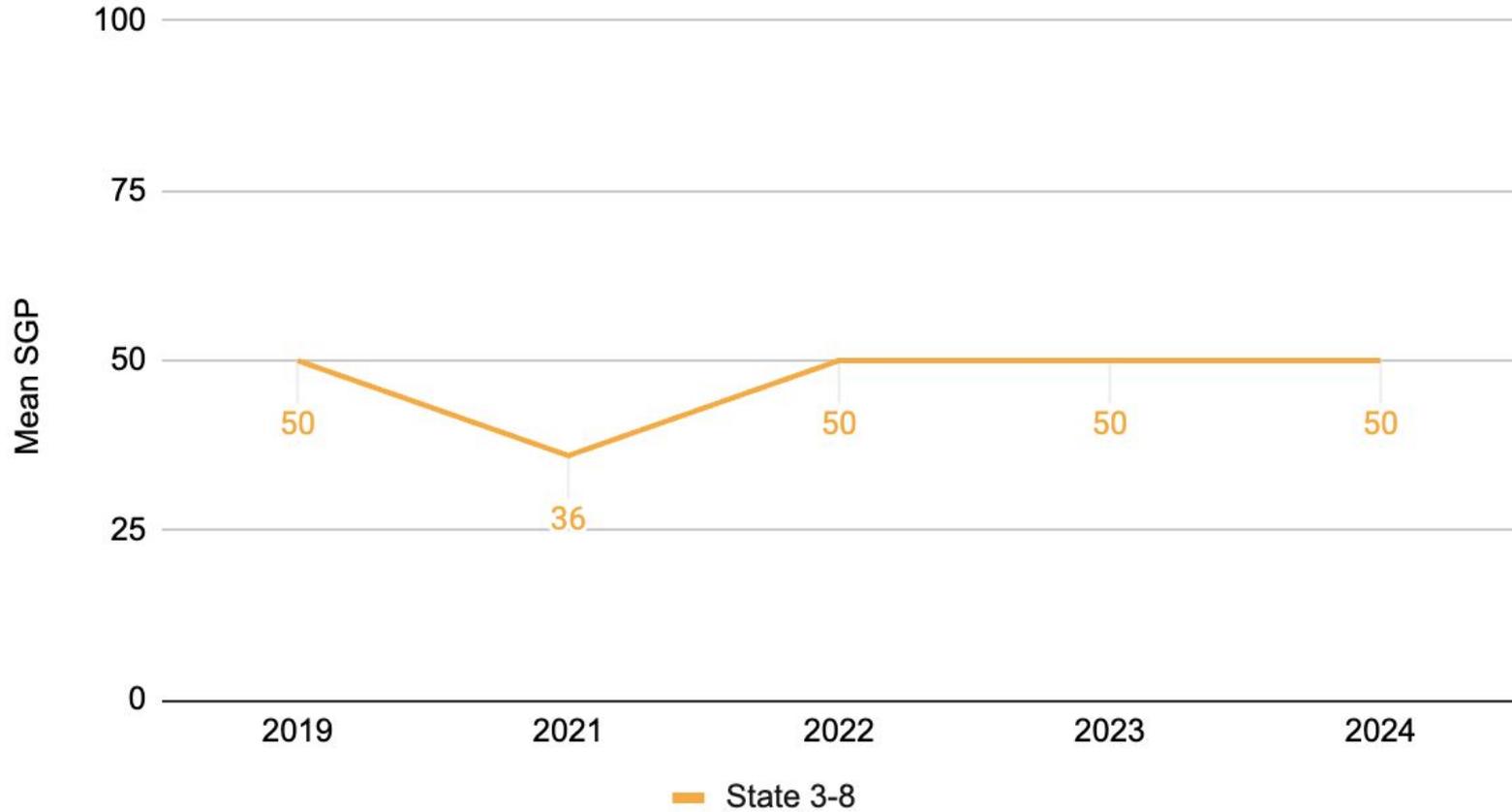
Student Growth Percentiles

Student Growth Percentiles (SGP): A Detailed Explanation

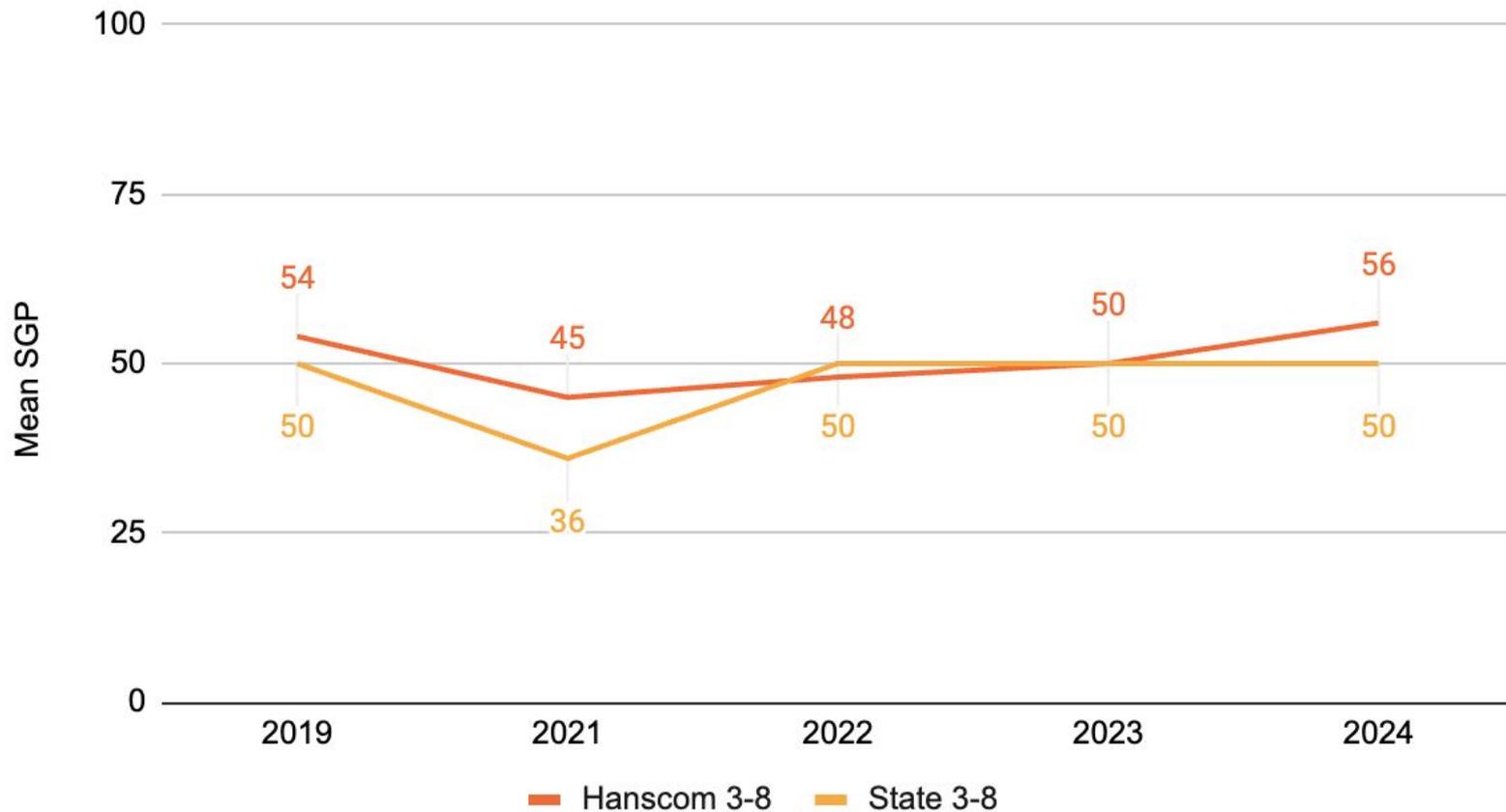
Each student in Massachusetts with at least two consecutive years of MCAS scores will receive a **Student Growth Percentile (SGP)**, which measures how a student scored on the MCAS tests in ELA and mathematics compared to their “academic peers.” Academic peers include students in the same grade statewide who received similar scores on previous MCAS assessments. SGPs range from 1 to 99, with higher numbers representing more growth and lower numbers representing less growth. All students, no matter their achievement level (e.g., Meeting Expectations, Not Meeting Expectations), can demonstrate any of the 99 growth percentiles.

SGP	Growth Level
1-20	Very Low
21-40	Low
41-60	Moderate
61-80	High
81-99	Very High

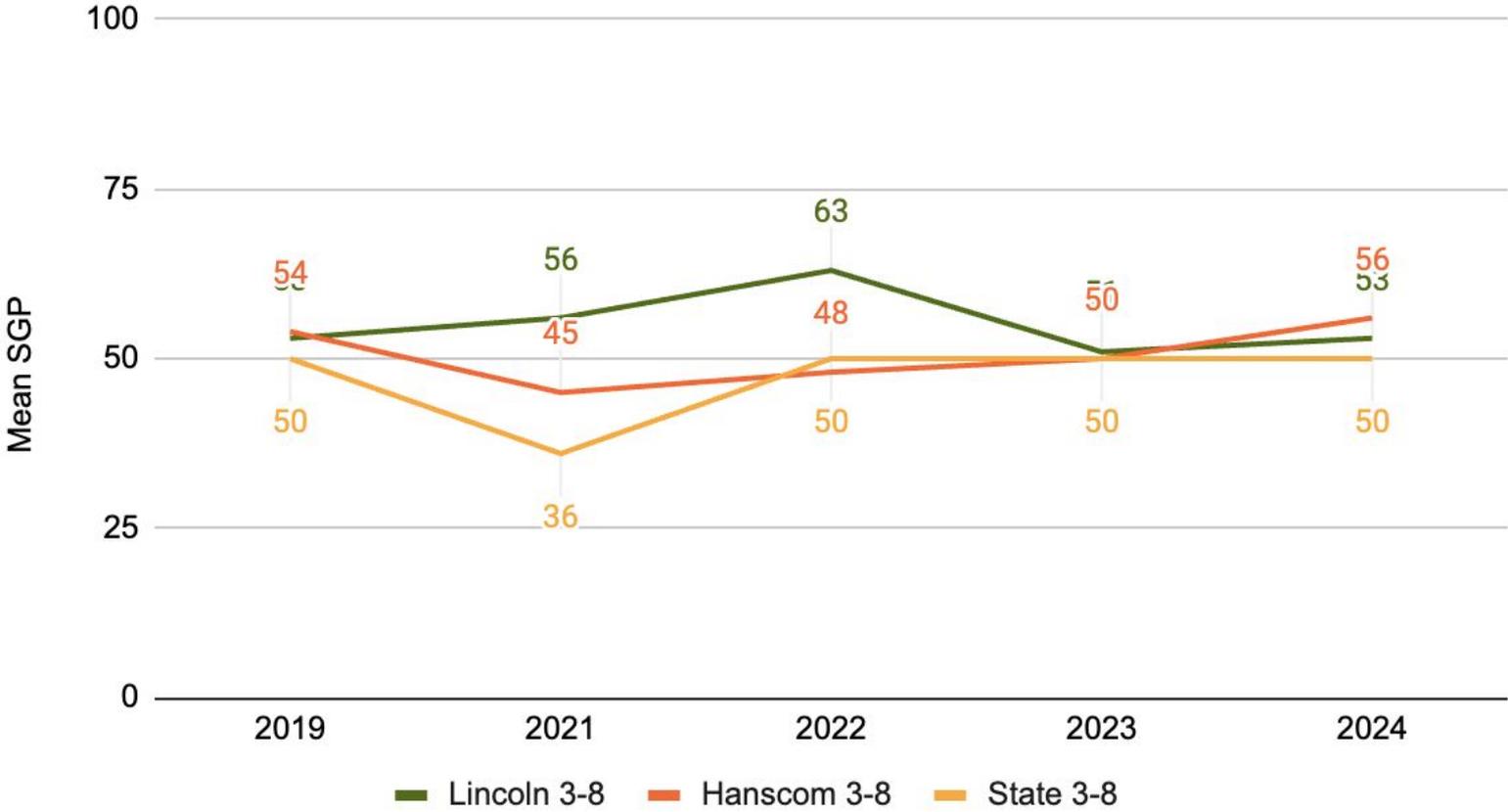
Mean SGP in ELA 2019-2024



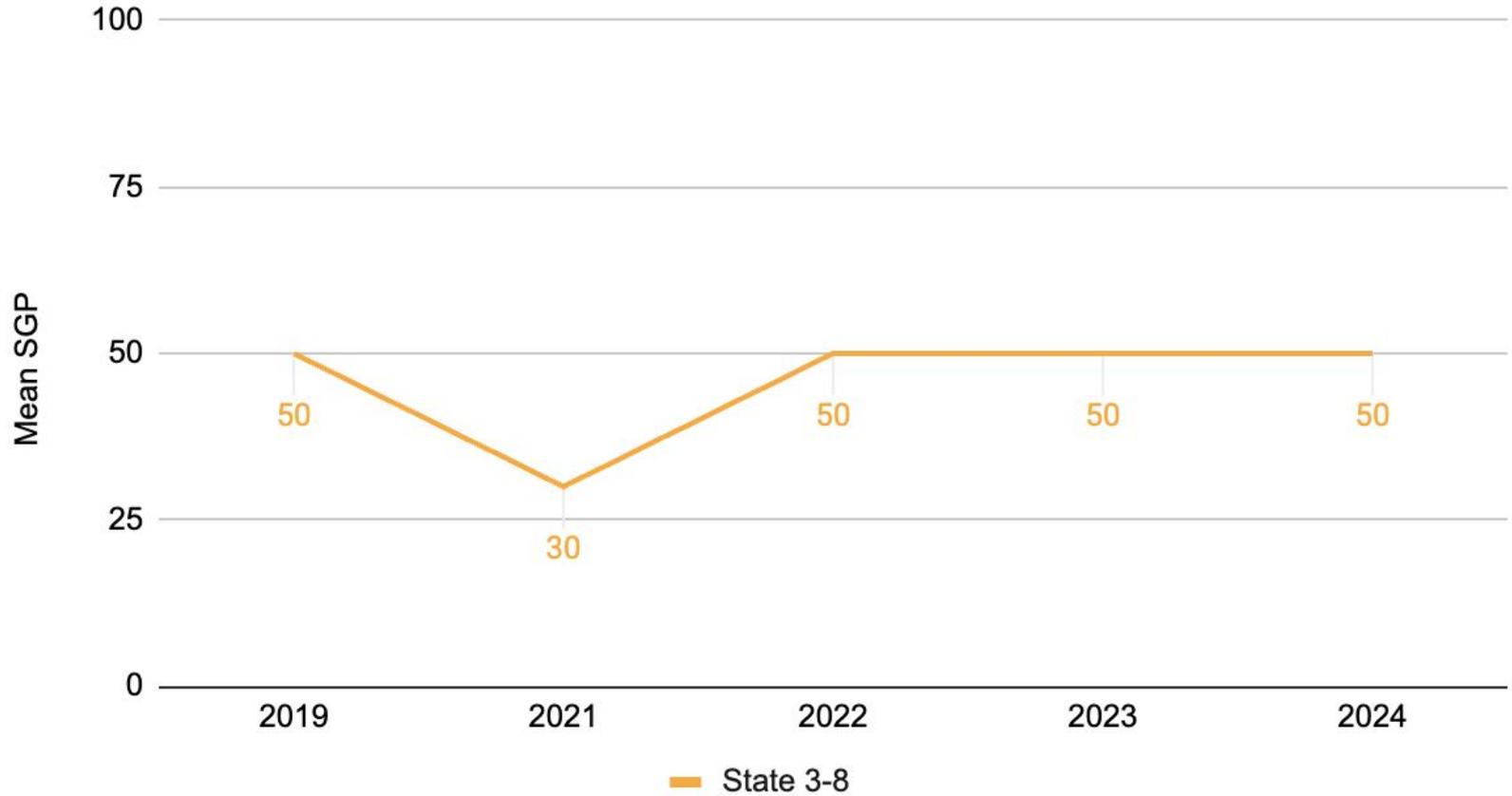
Mean SGP in ELA 2019-2024



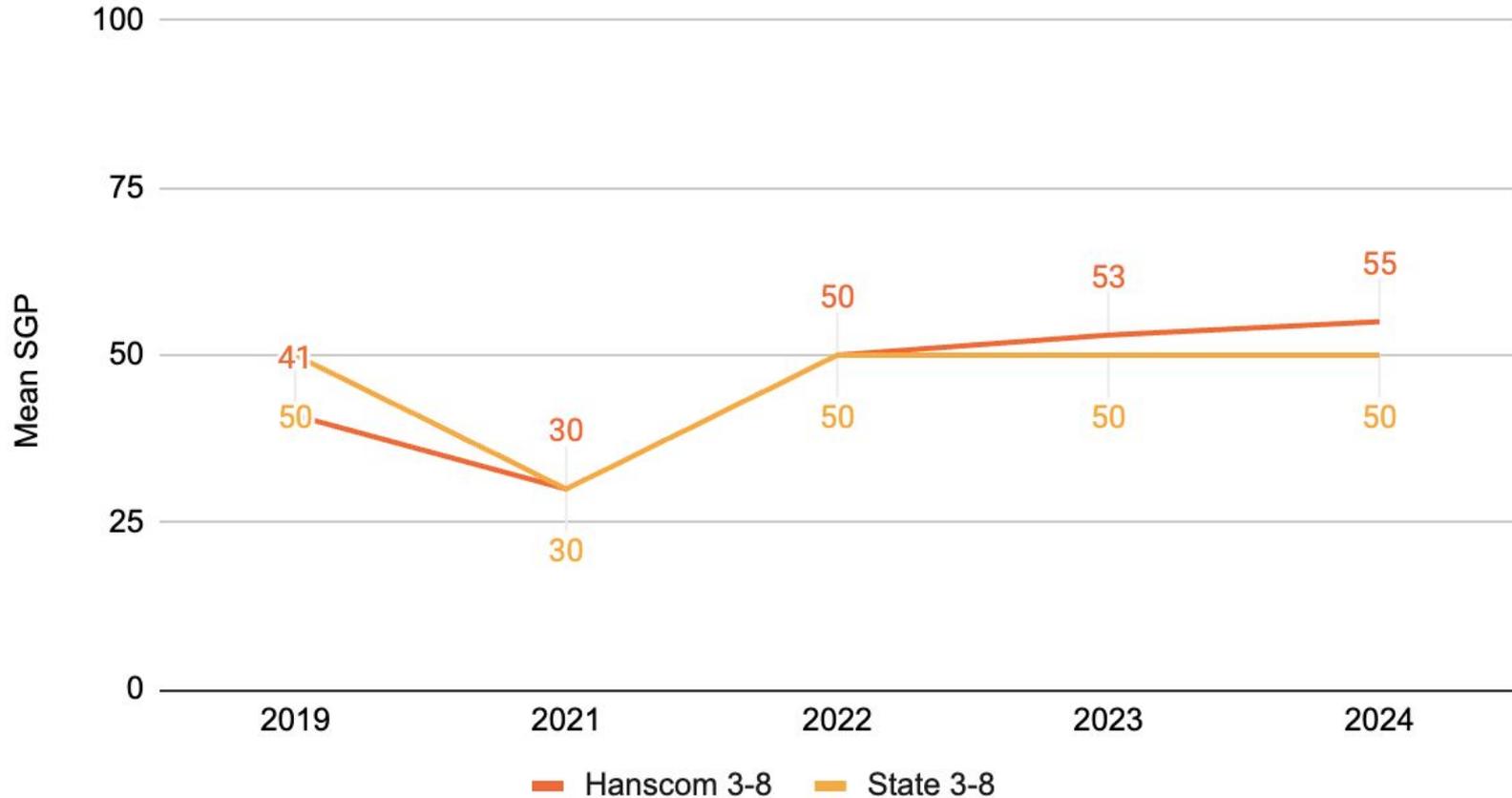
Mean SGP in ELA 2019-2024



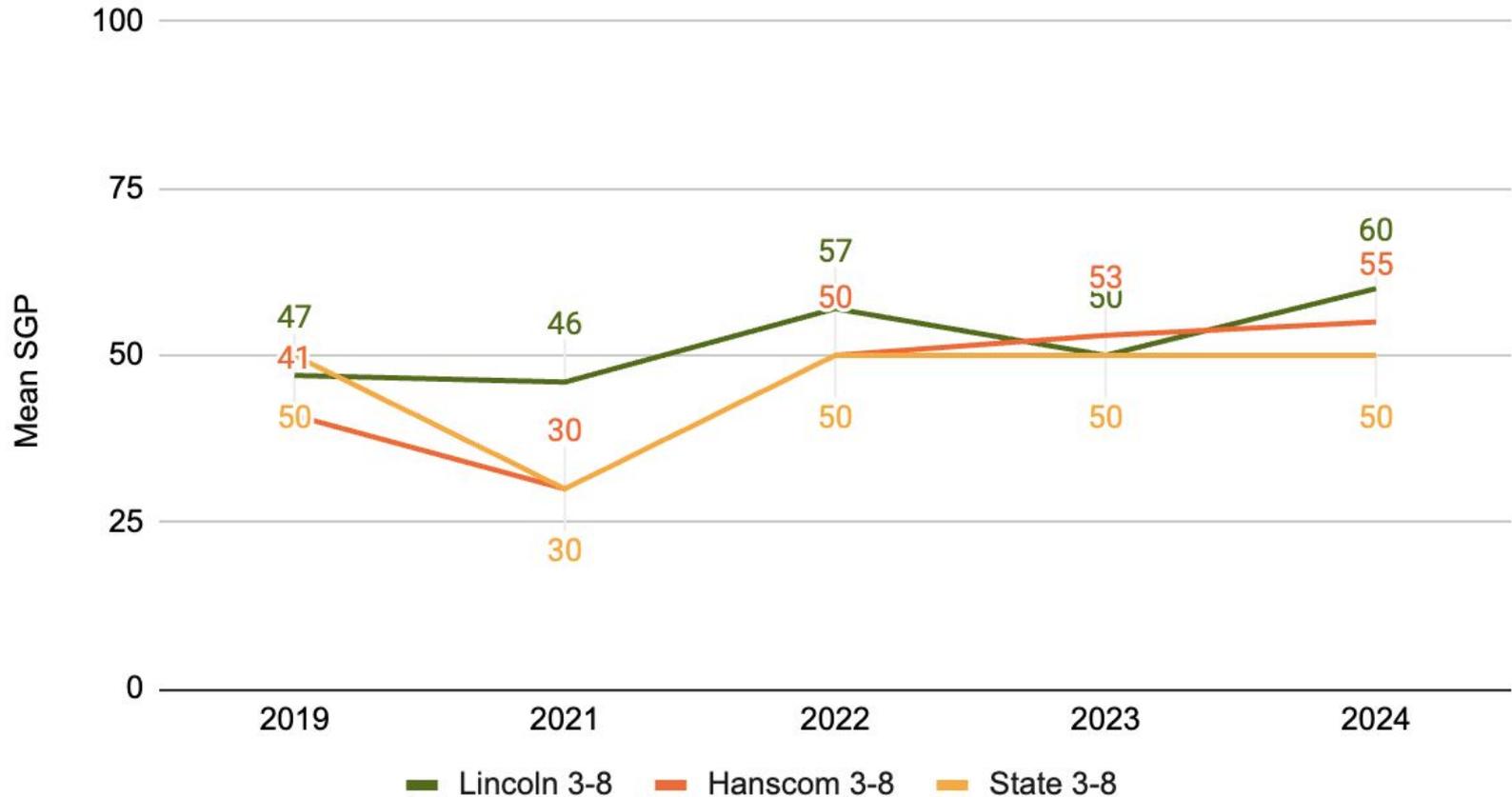
Mean SGP in Math 2019-2024



Mean SGP in Math 2019-2024



Mean SGP in Math 2019-2024





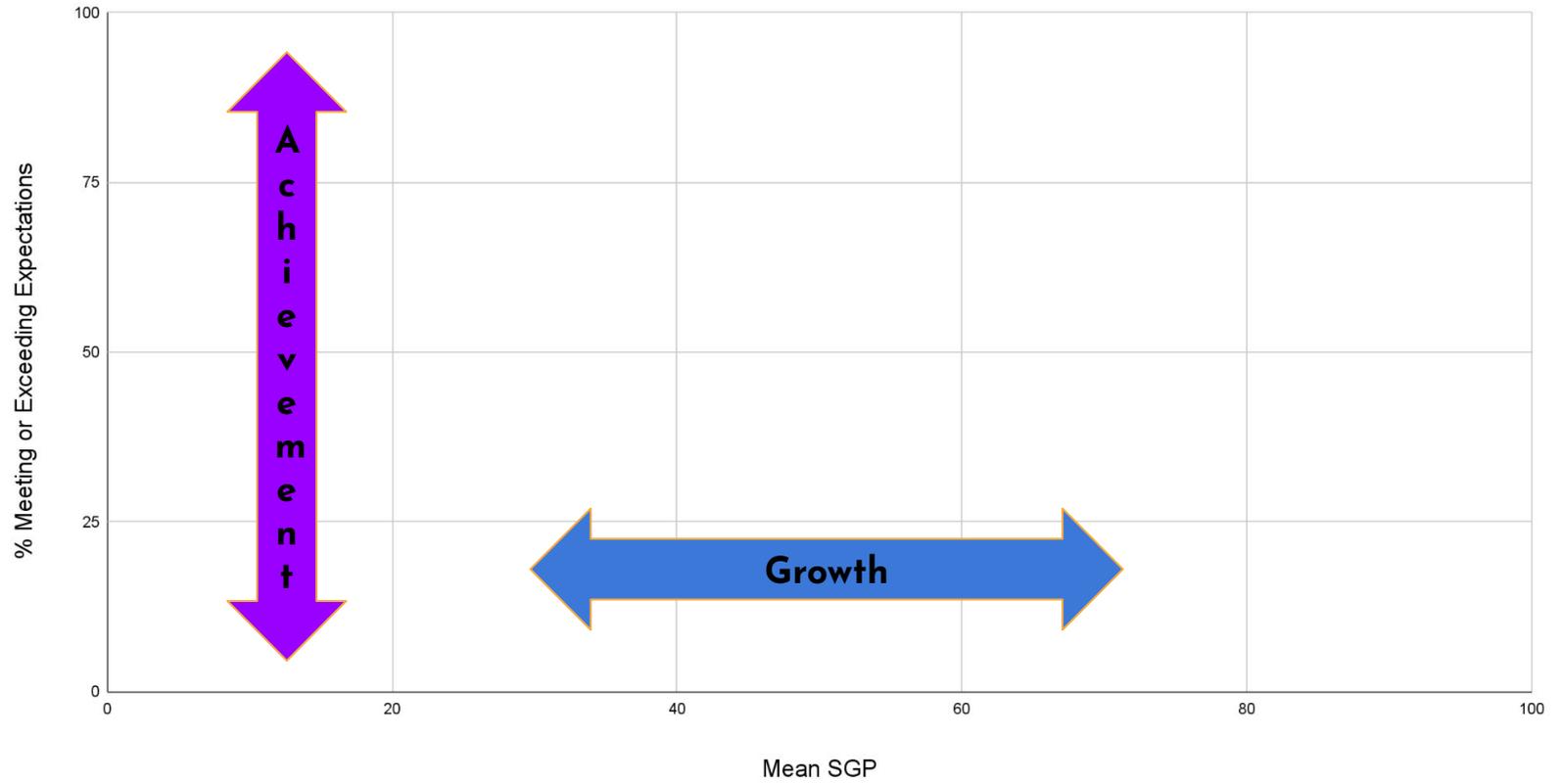
Some Key Takeaways...

- Hanscom School has strong growth in ELA MCAS 3-8 and its strongest ELA growth in the last five years (56 SGP)
- Lincoln School has strong growth in MCAS for students with disabilities (68 SGP in Math, 69 SGP in ELA)
- The mean SGP for the Lincoln School for Math 3-8 is at 60 (high growth)
- In Mathematics, the difference in performance between students with and without disabilities is more significant than in ELA.

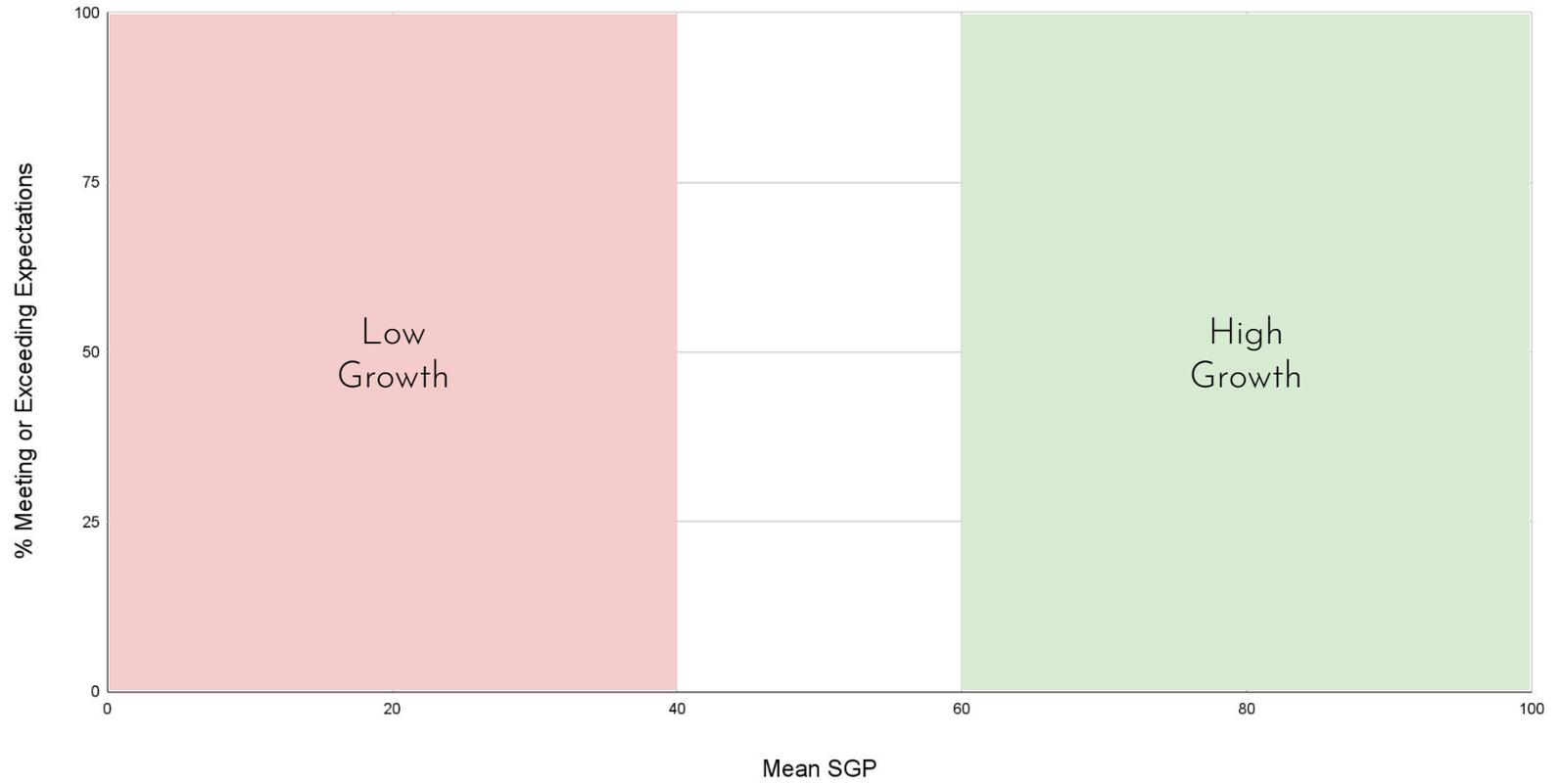


Achievement & SGP

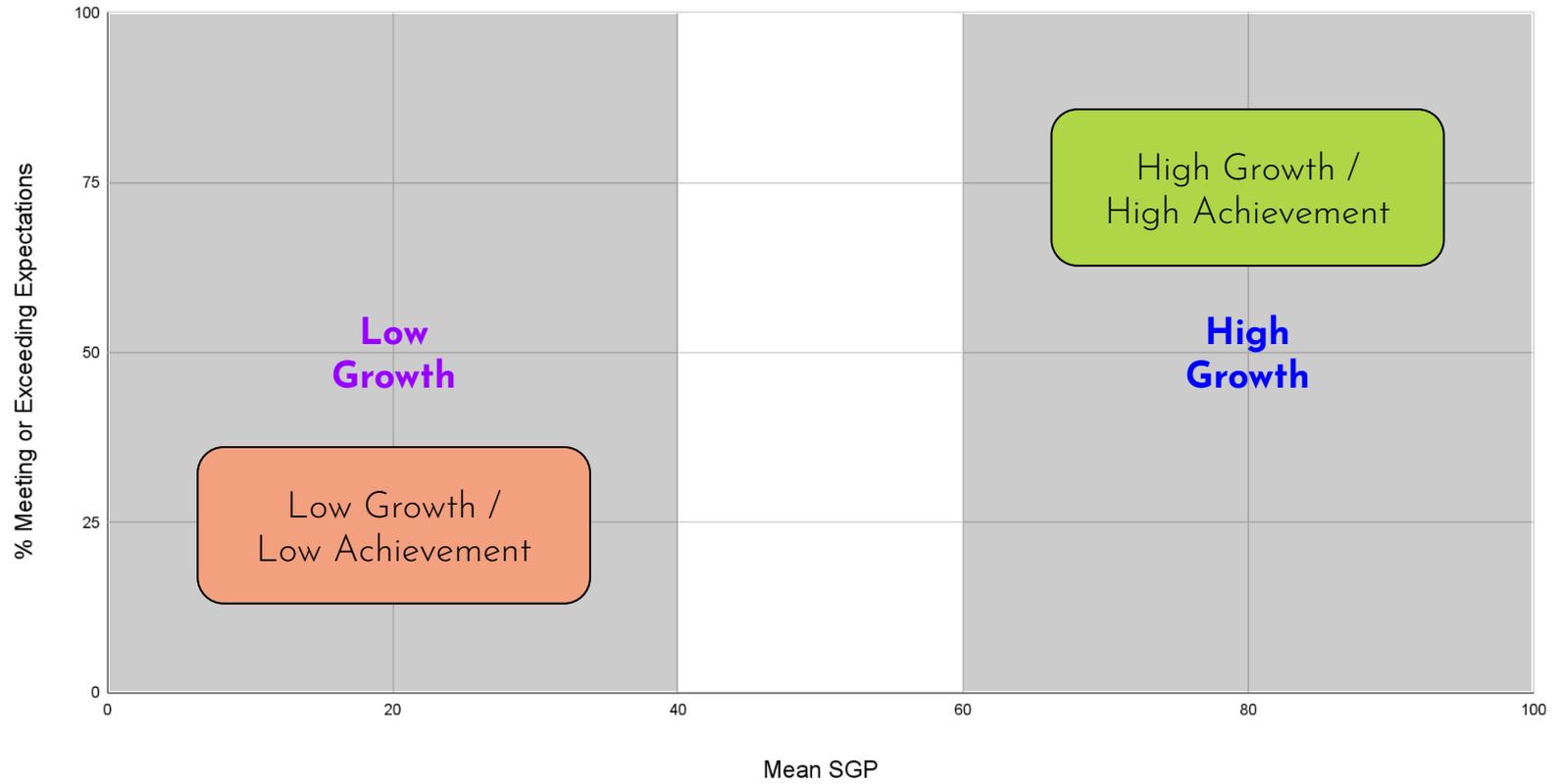
2024 MCAS ELA Achievement and Growth



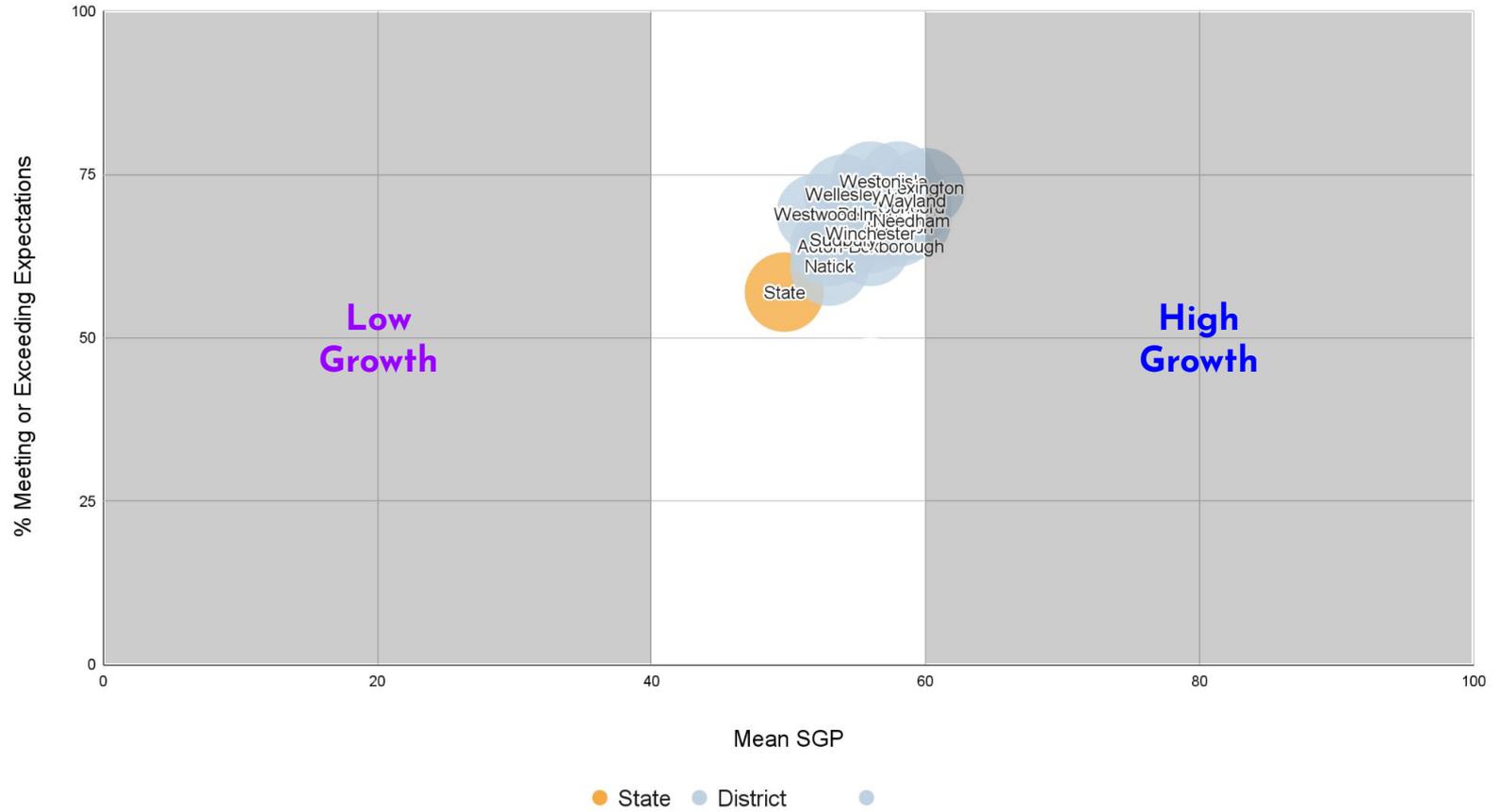
2024 MCAS ELA Achievement and Growth



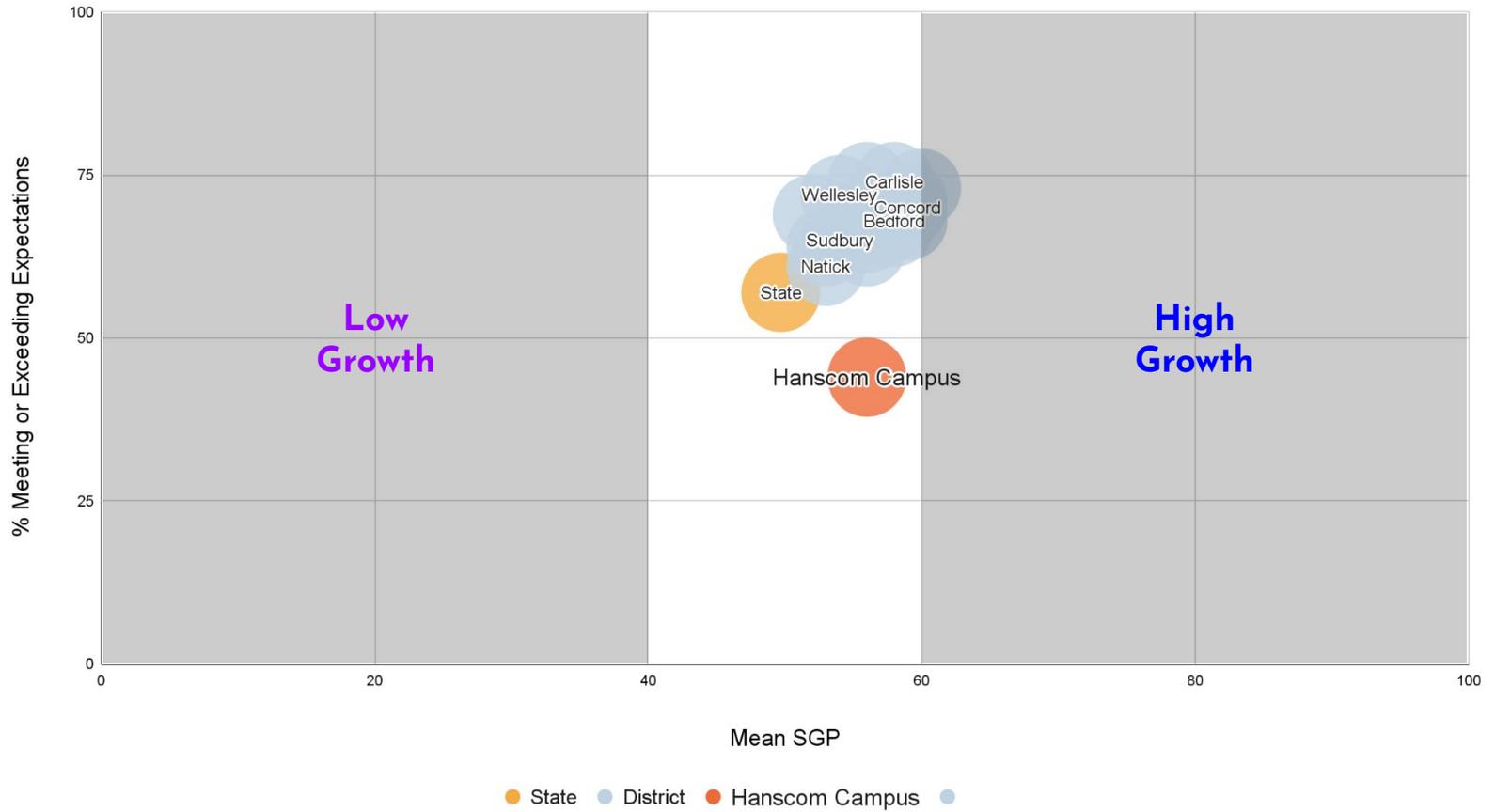
2024 MCAS ELA Achievement and Growth



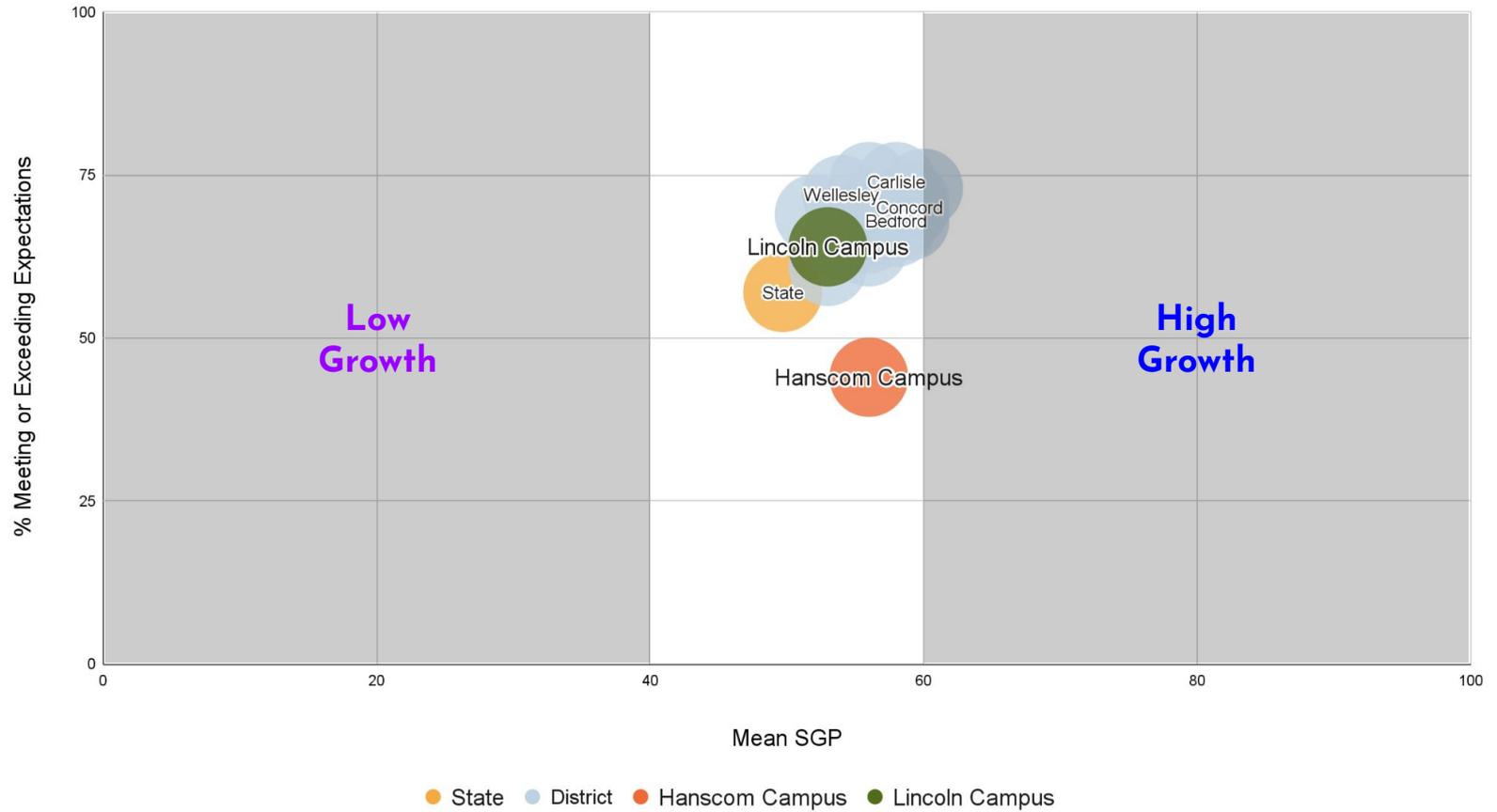
2024 MCAS ELA Achievement and Growth



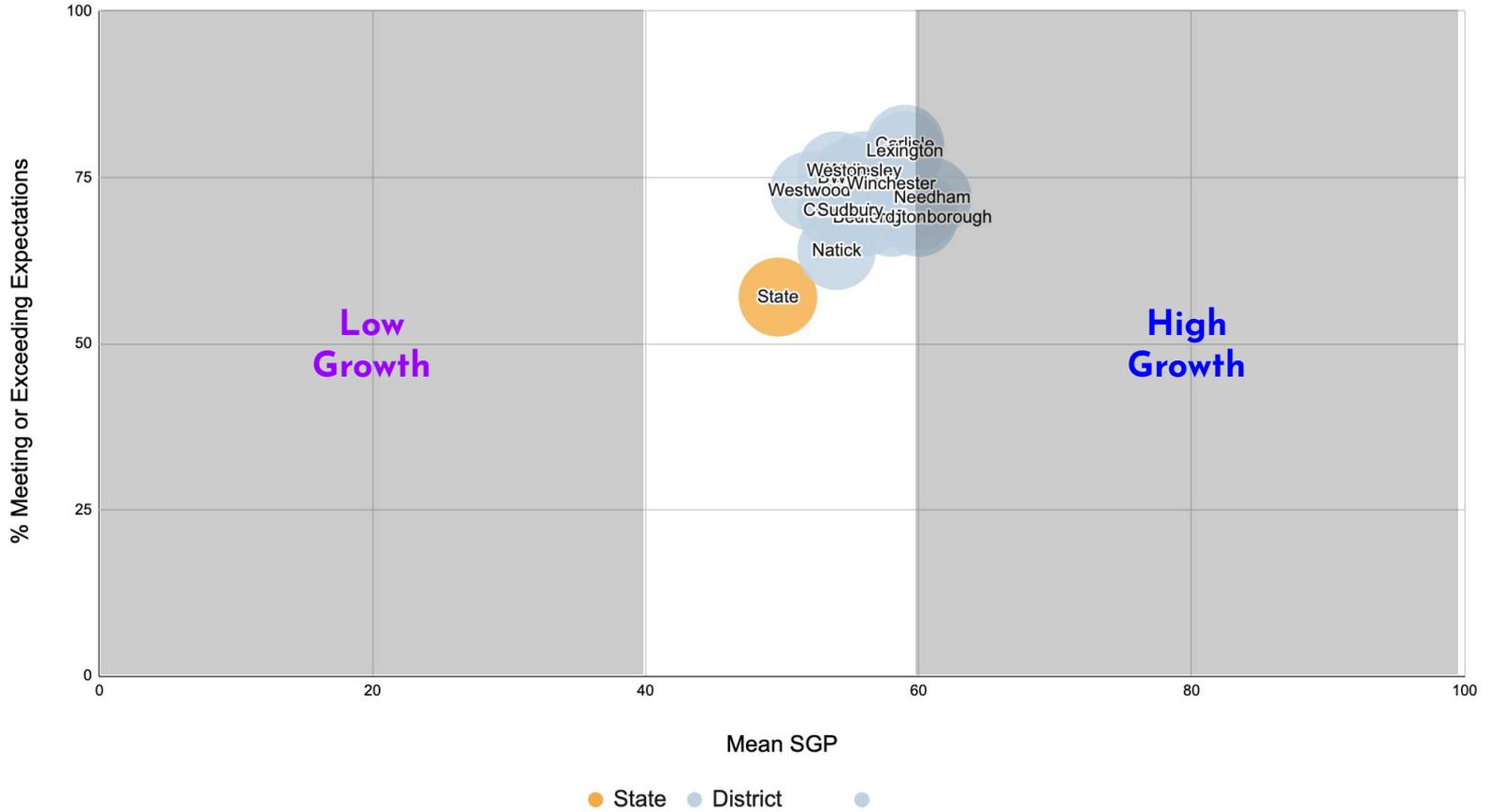
2024 MCAS ELA Achievement and Growth



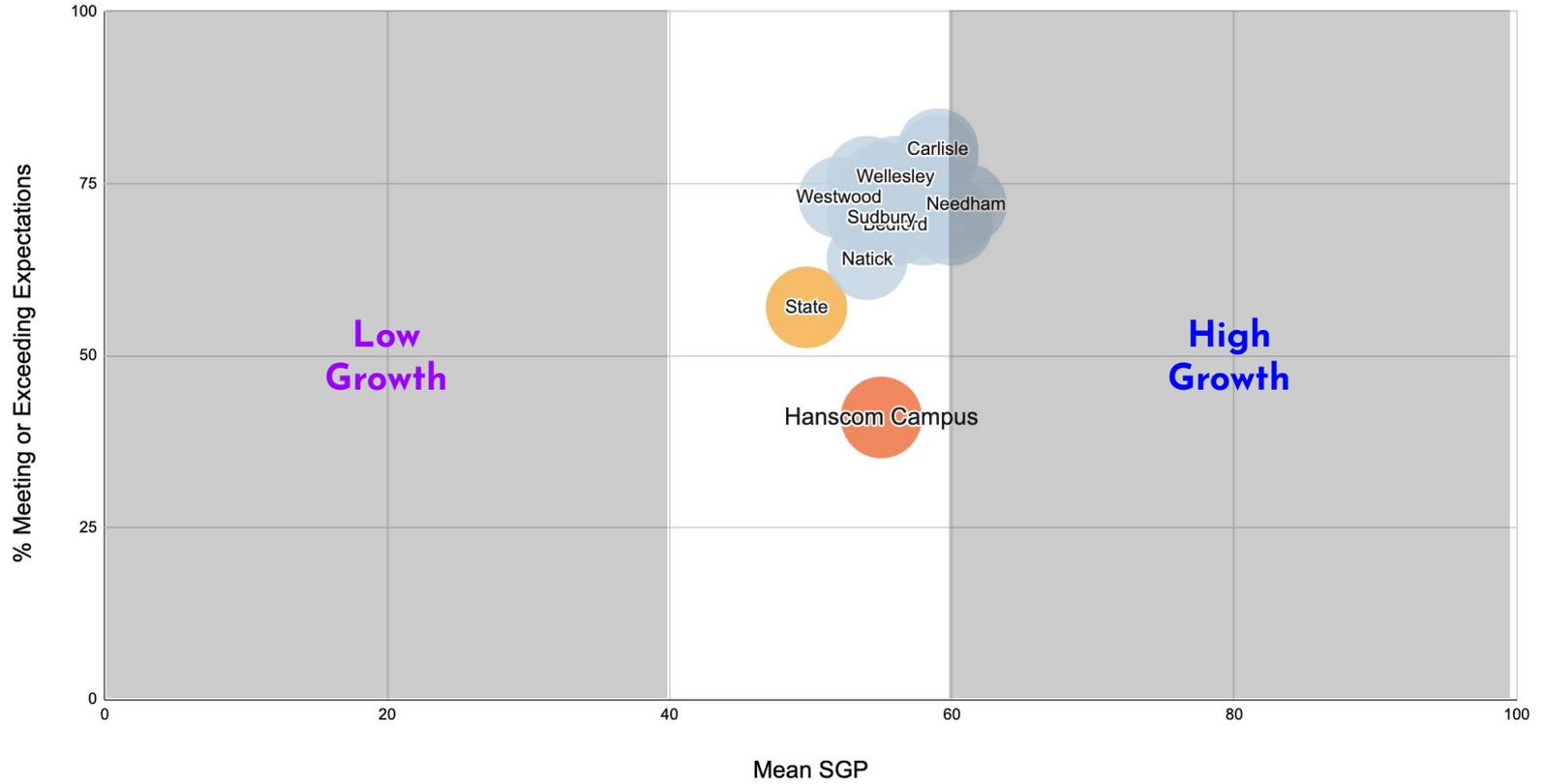
2024 MCAS ELA Achievement and Growth



2024 MCAS Math Achievement and Growth

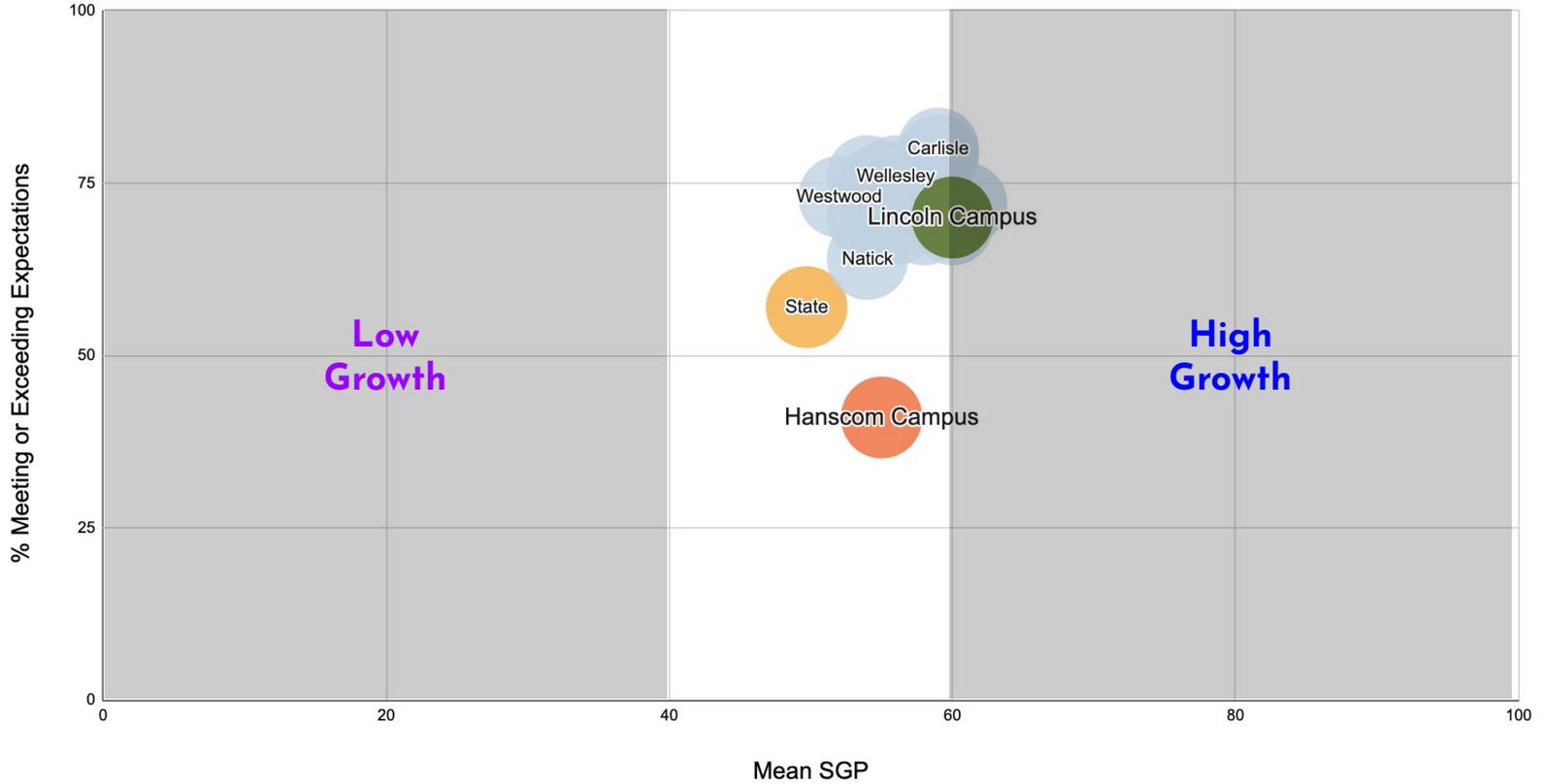


2024 MCAS Math Achievement and Growth



● State ● District ● Hanscom Campus ●

2024 MCAS Math Achievement and Growth



● State ● District ● Hanscom Campus ● Lincoln Campus



Selected Groups

2024 MCAS ELA Achievement and Growth - Race/Ethnicity



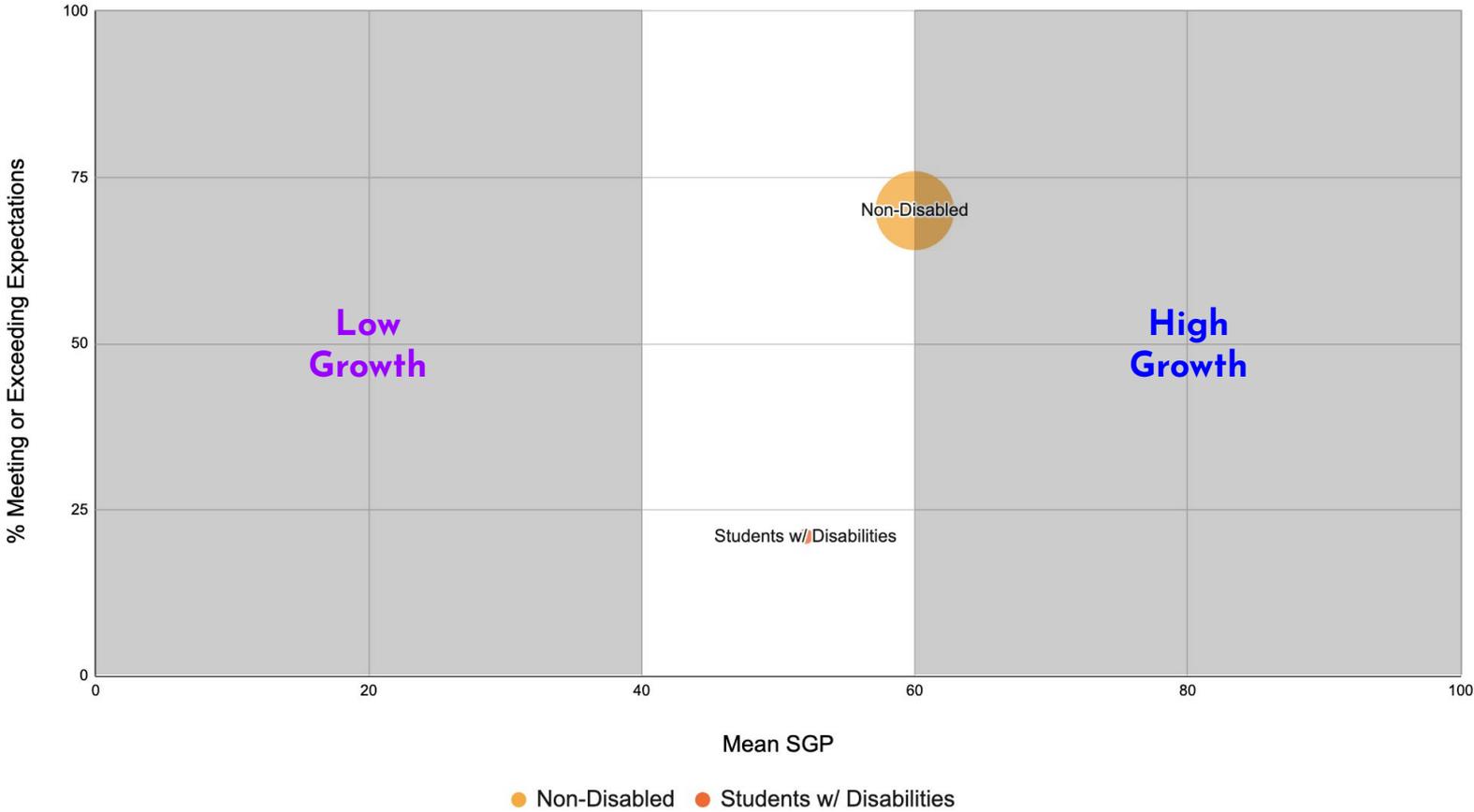
2024 MCAS ELA Achievement and Growth - Disability Status

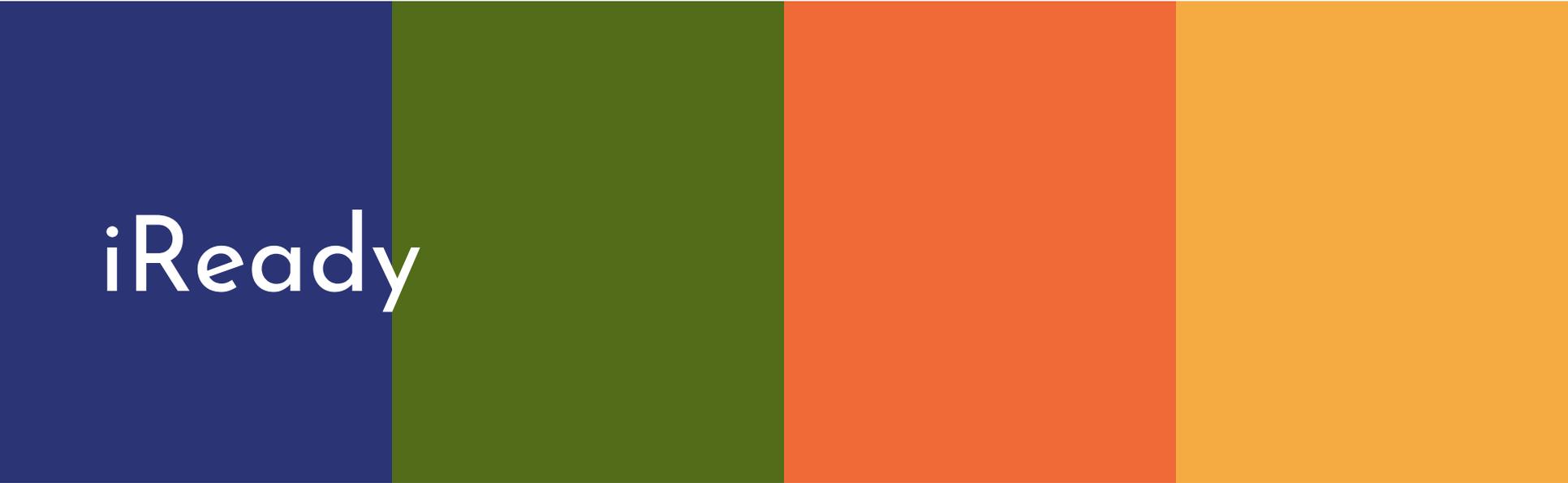


2024 MCAS Math Achievement and Growth - Race/Ethnicity



2024 MCAS Math Achievement and Growth - Disability Status



The image features a horizontal banner divided into four equal-width rectangular sections of different colors: dark blue, olive green, orange, and light orange. The text 'iReady' is positioned on the left side, overlapping the dark blue and olive green sections.

iReady

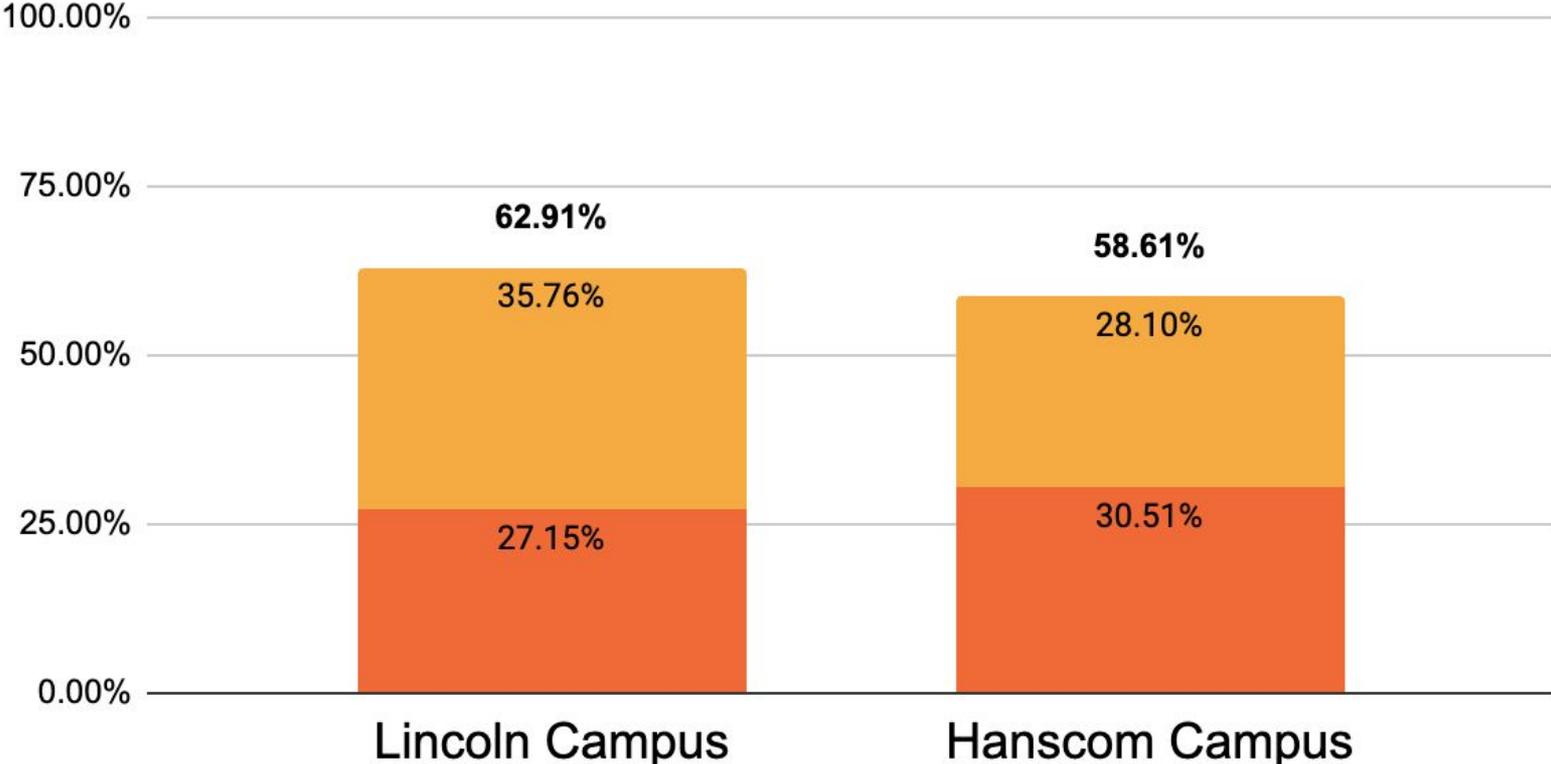
iReady

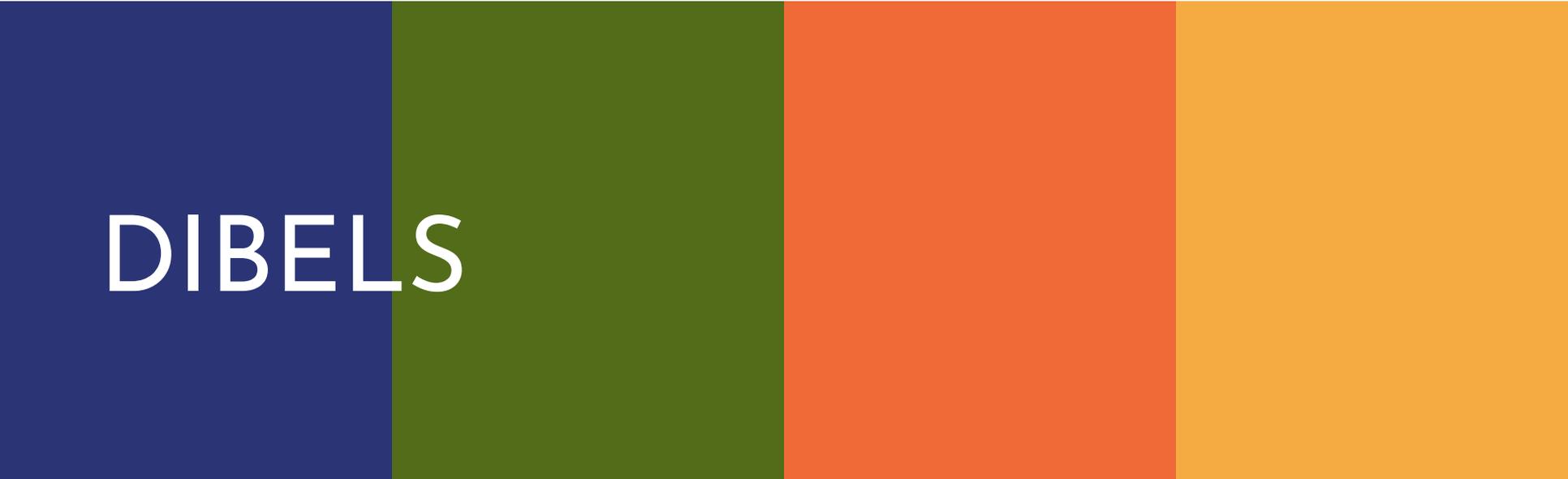
- i-Ready is an online diagnostic for mathematics used by the Lincoln Public Schools to help district educators determine students' needs and monitor progress throughout the school year. *i-Ready* is another tool, **among many**, that provides data to educators in order to **inform** instruction and meet students' learning needs.

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Met Expected Growth and Met Stretch Goal

Met Stretch Goal Met Expected Growth





DIBELS

DIBELS

What are DIBELS?

DIBELS are measures that help teachers and schools determine how students are performing on important reading skills. DIBELS stands for *Dynamic Indicators of Basic Early Literacy Skills*. These measures are designed for students in grades K-8.

What skills are measured by DIBELS and why are they important?

The critical skills necessary for successful beginning reading include: phonemic awareness, phonics, fluency, vocabulary, and comprehension. The DIBELS measures assess students on four of these five critical skills, which are often referred to as the “Big Ideas” of reading..

DIBELS

- Utilizing data differently (better) this year.
 - Unable to currently and adequately show year-over-year, longitudinal growth data.
 - Plan to have growth data in the future.
 - Data Dashboard - still in progress
- 



*Next Steps and Areas for
Improvement...*

- K-8 Mathematics Curriculum Review: Beginning 2025-2026 school year
- Faculty Utilization
- Scheduling Audit
- Intervention
- Intervention <-> Instruction <-> Innovation {extension/enrichment}
- Targeted Professional Development

Thank-You



Final Thoughts - Still

- Data-Informed 
- ~~Data-Driven~~ 
- “Data Theatre” 
- Sorting ↔ Tracking ↔ Elitism ↔ Racism ↔ Segregation

Questions?

