

# Read by Grade Three

## Analyzing the Data

Melody Thompson, M.A., Ed.S., NCSP

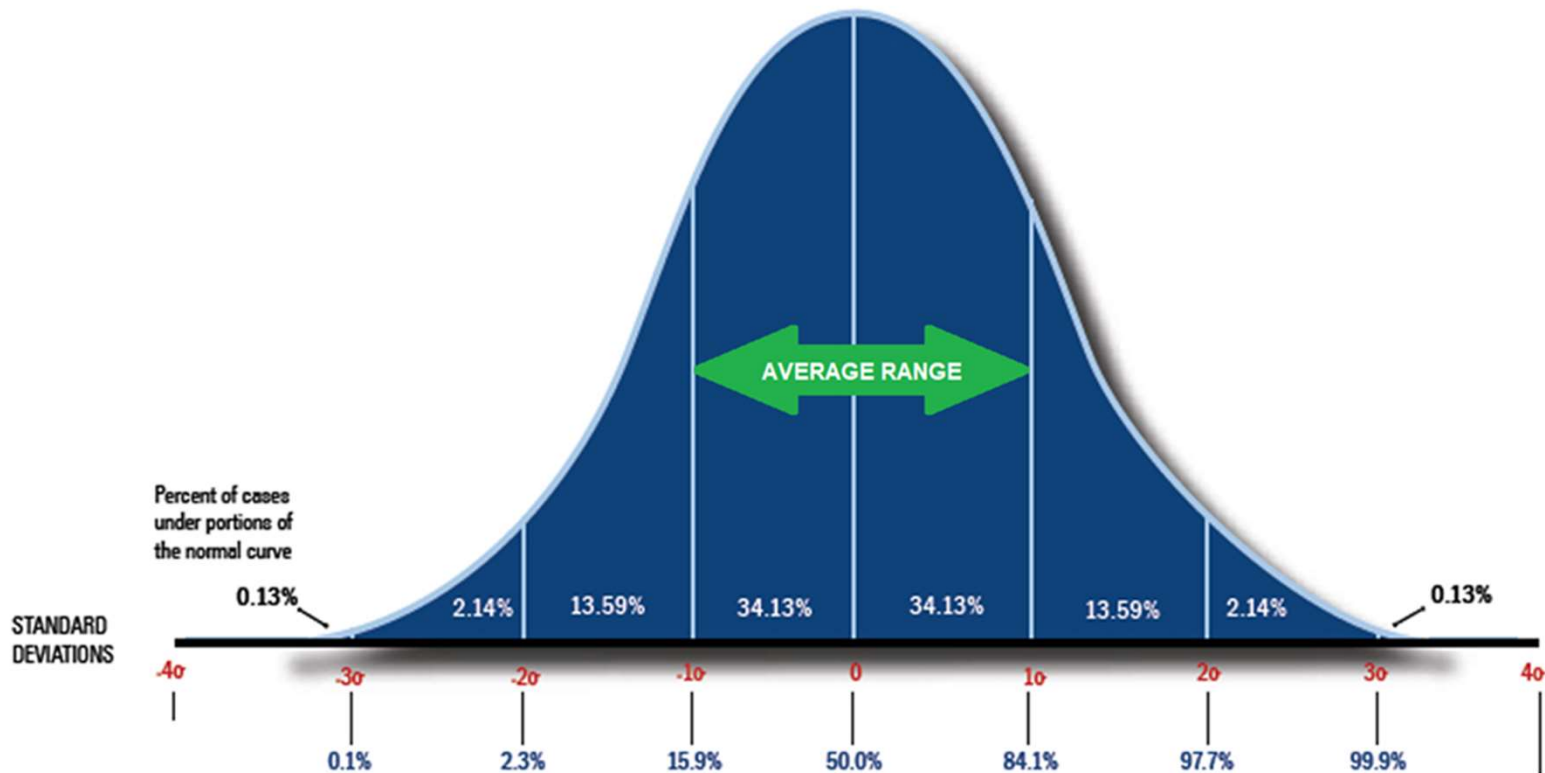
# Read by Grade Three: Key Points to Consider

As we look toward the future of Read by Grade Three and how to measure reading success, keeping some data facts in our minds is vital to helping our students.

Specifically:

- Statistical Average Range Nationally
- MAP Averages and Data
- SBAC Data
- Retention Data and Final Thoughts

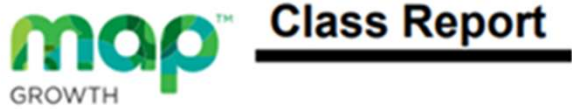
# Normal Distribution and Statistical Average



Large-scale assessments (e.g., MAP) yield data that fall into a normal distribution when scores are plotted around the mean for comparison (Mindrila & Baletnyne, n.d.).

The average range falls between the 16<sup>th</sup> and 84<sup>th</sup> percentiles.

# Measures of Academic Progress (MAP)

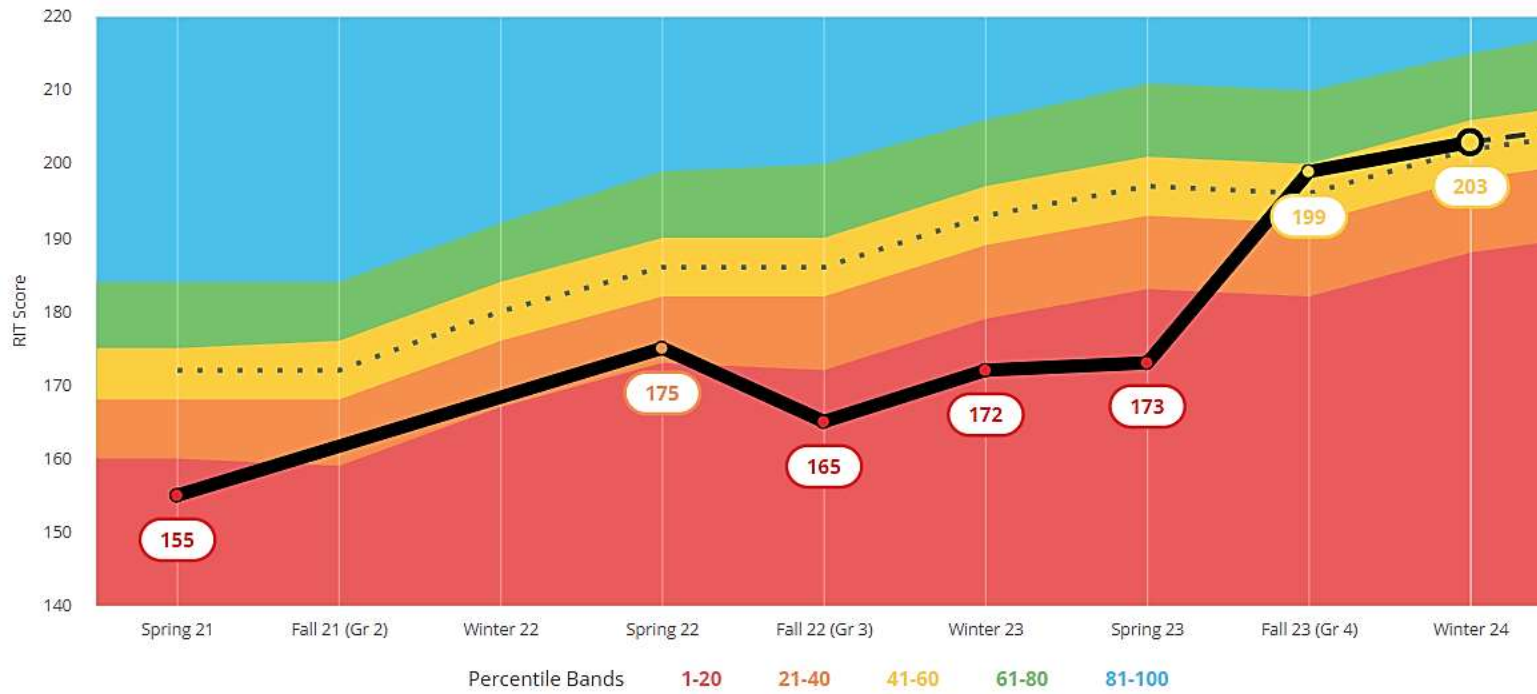


## Language Arts: Reading

### Overall Performance

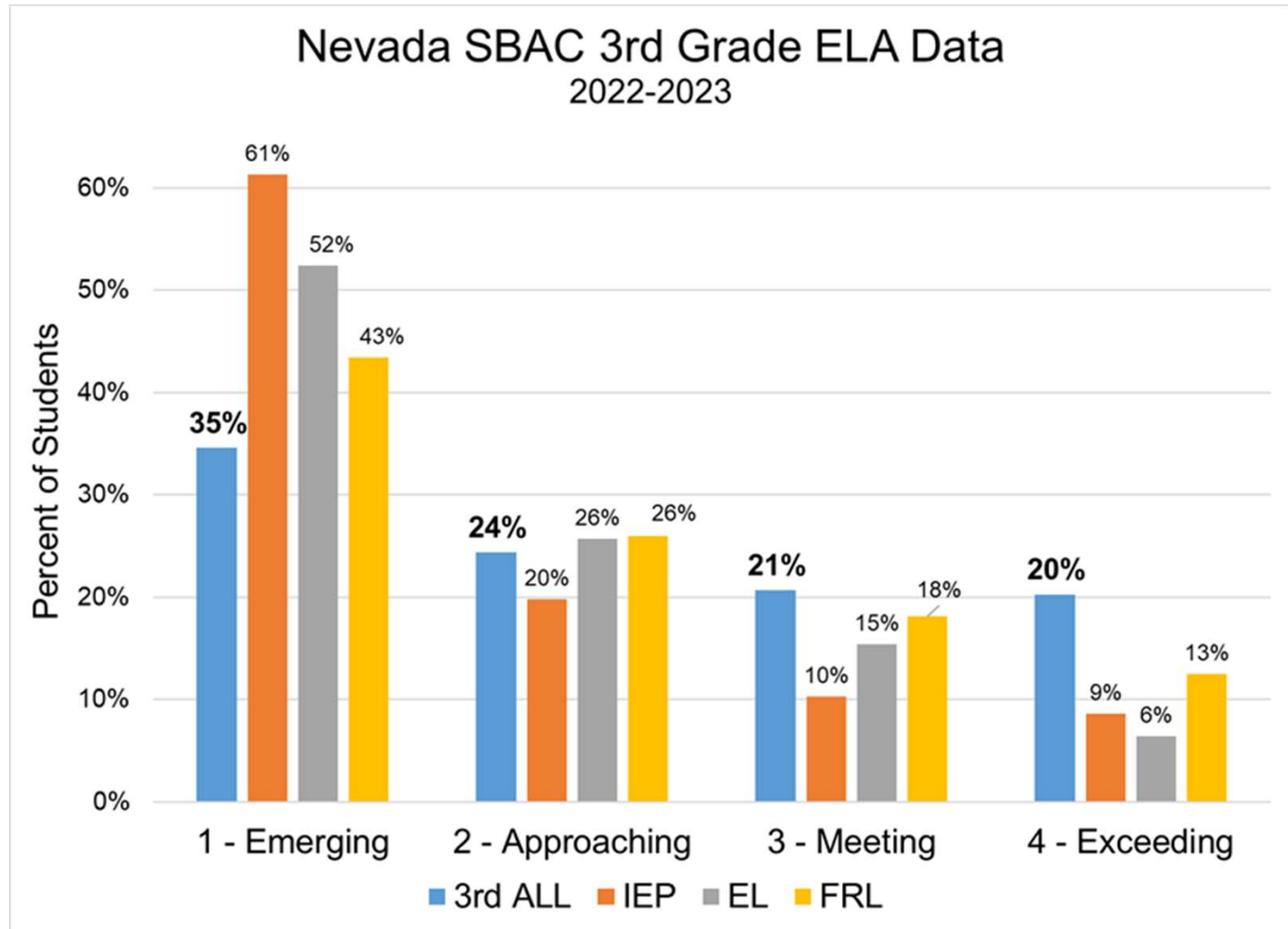
Lo %ile < 21		LoAvg %ile 21-40		Avg %ile 41-60		HiAvg %ile 61-80		Hi %ile > 80	
count	%	count	%	count	%	count	%	count	%

GROWTH OVER TIME



# Smarter Balanced Assessment Consortium (SBAC)

SBAC does not compare students' scores to national norms but rather to Common Core Standards.



# More Data and Final Thoughts

In 2023, 121 students were retained in third grade in Nevada. As a comparison, the following retention estimations are offered based on spring 2023 MAP/SBAC data:

Sample Retention Budget Based on MAP 40 <sup>th</sup> Percentile				
Elementary School Nevada MAP Data spring 2023	Total number of third graders in 2022-23	Number of students below the 40 <sup>th</sup> percentile (44%)	Estimated Educational cost per Student/Year	Estimated additional education cost for students retained (per year)
<40 <sup>th</sup> Percentile MAP	35,138	15,461	\$11,300	\$174,709,300

Sample Retention Budgets Based on SBAC ELA Scores				
Third Grade Nevada SBAC Data spring 2023	Number of third graders who took SBAC ELA in 2022-23	Number of students below noted SBAC ELA Levels	Estimated Educational cost per Student/Year	Estimated additional education cost for students retained (per year)
Levels 3 and 4	34,663	20,451	\$11,300	\$231,096,300
Levels 2, 3, and 4	34,663	12,132	\$11,300	\$137,091,600

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