



March 7, 2023

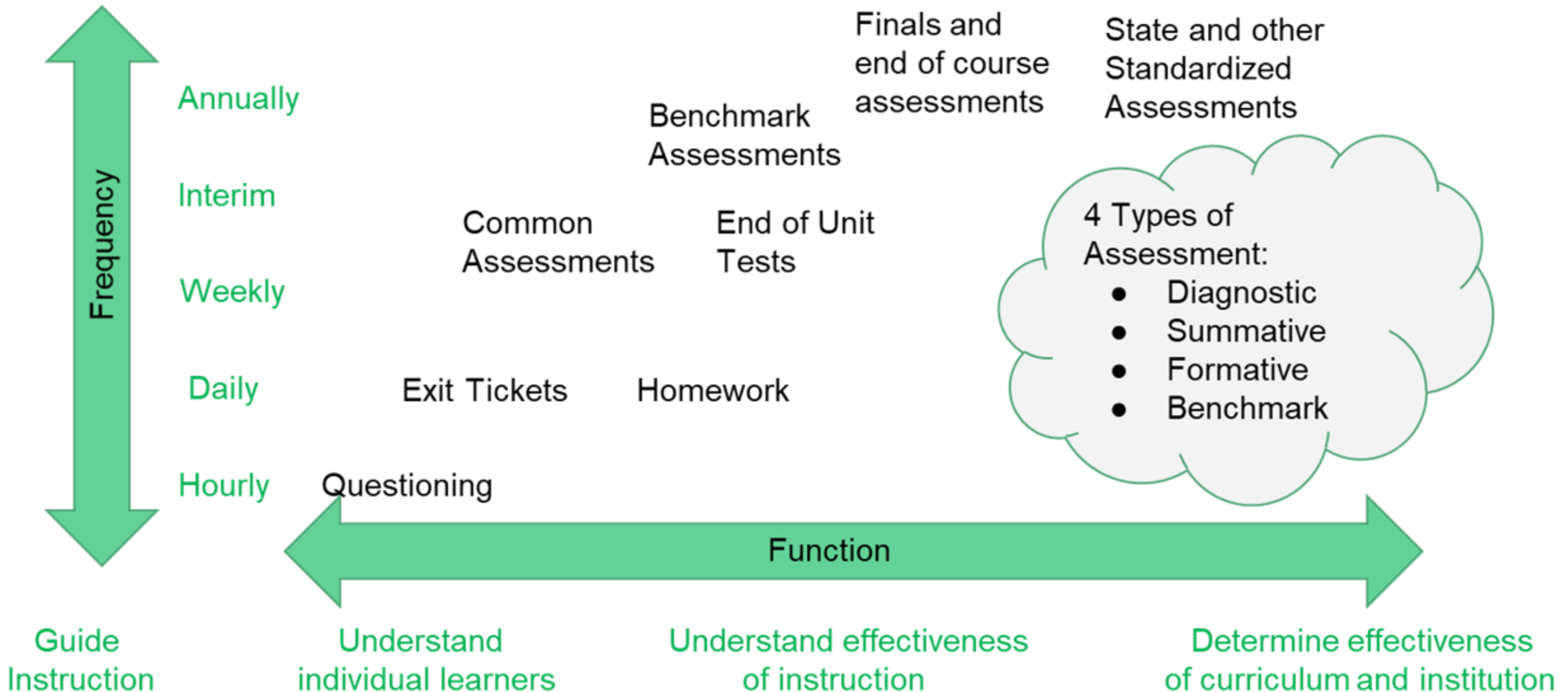
Education Committee

*Our Journey of Supporting
Teaching and Learning*

Tonight's Goals:

- *Share an update on Fall to Mid-year Data*
- *Examine ties to School Goals & Strategies*

Mapping Assessments for Frequency and Function



Benchmark Data Measures:

Our **benchmark assessments** allow us to measure student performance against the standards as compared to peers measured against the same criteria.

Benchmarks Used:

Math

Linkit (Gr. 1-12)

Reading

Linkit (Gr. 2-12)

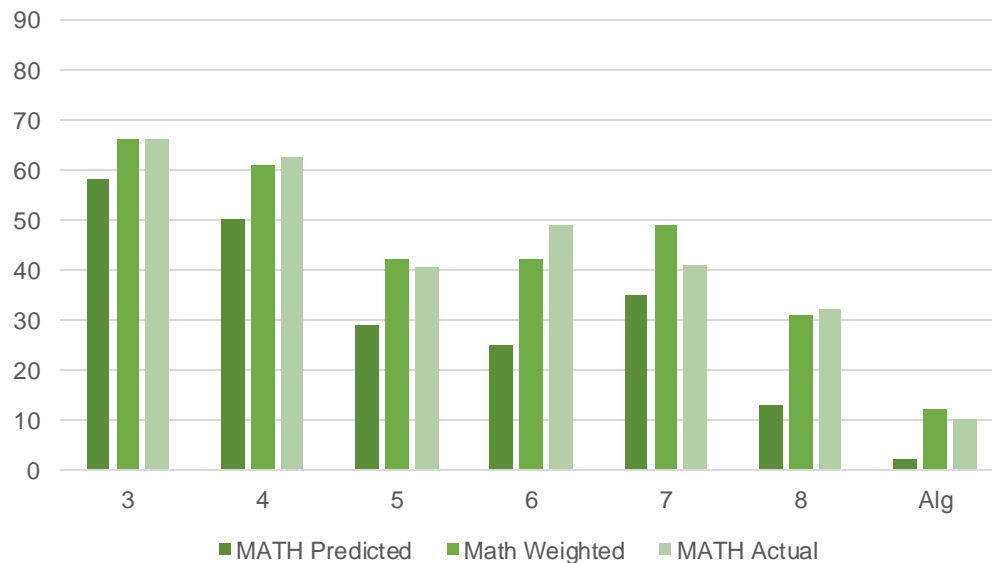
STAR (Gr. 2-8)

DIBELS (Gr. K-2)

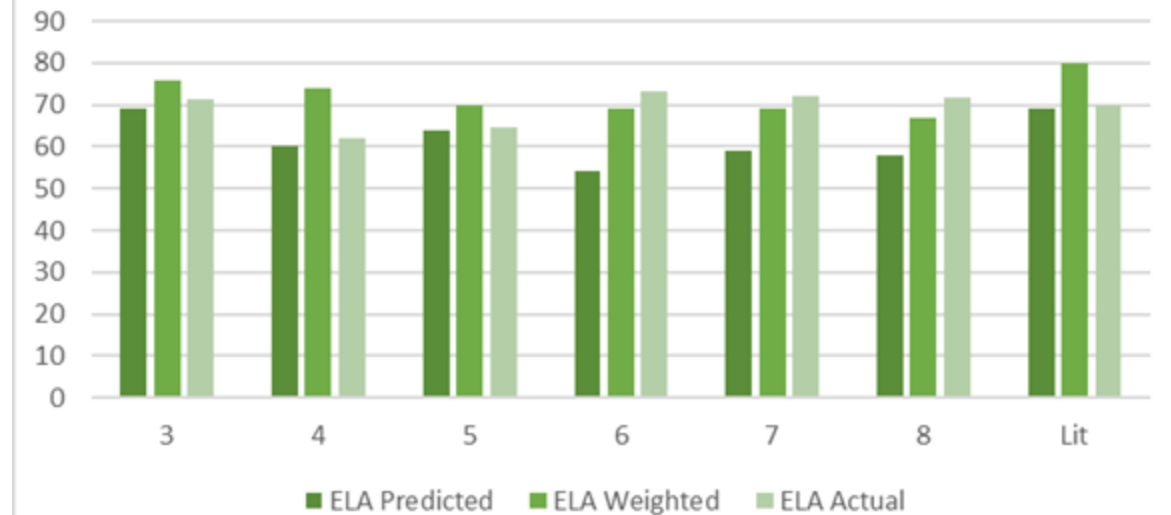
Reliability: We have found our Linkit Benchmarks to closely predict state testing scores.

2022 Linkit Predicted Performance Compared to Actual Performance

Math Mid-year Benchmark 2022 to State Assessment Spring 2022



Literacy Mid-year Benchmark 2022 to State Assessment Spring 2022



- Linkit is the service provider we use for data warehousing, online testing, benchmarking and related services
- The "Predicted" score is based on PSSA/Keystone cut scores and the performance of students on the current benchmark
- The "Weighted" score is based on the historical data collected including past performance on benchmarks and state tests
- Both are based on the district providing traditional instruction. Interventions would be expected to boost actual performance

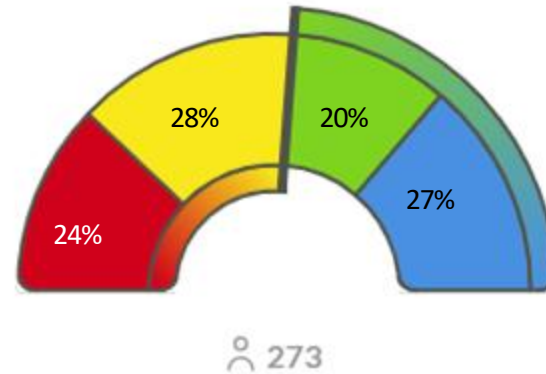
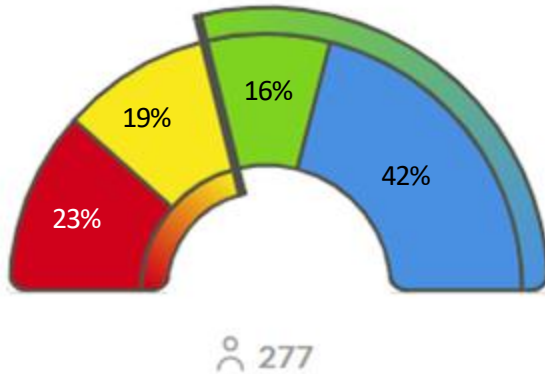
Fall to Mid-Year Data 2021-22 and 2022-23

Kindergarten DIBELS

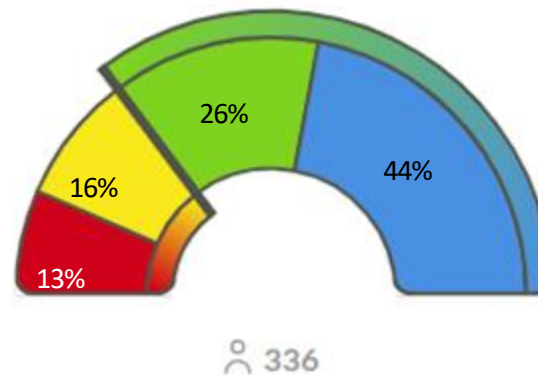
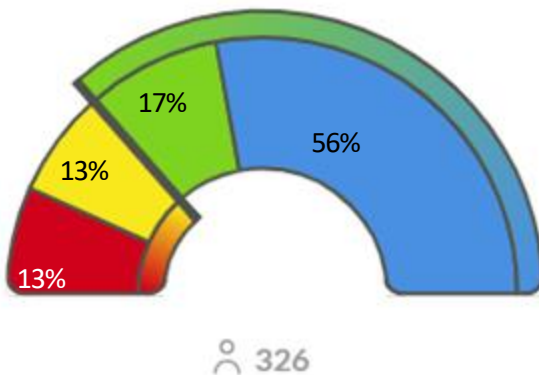
FALL

2021-22

WINTER



2022-23



- The graphs represent composite score data for DIBELS (Dynamic Indicators of Basic Early Literacy Skills) in fall and mid-year
- Blue indicates Above Benchmark
- Green indicates At Benchmark
- Yellow indicates a need for Strategic Intervention
- Red indicates a need for Intensive Intervention

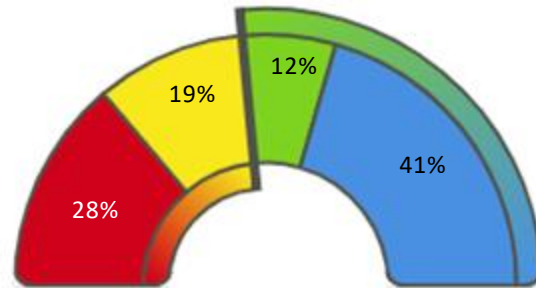
Fall to Mid-Year Data 2021-22 and 2022-23

First Grade DIBELS

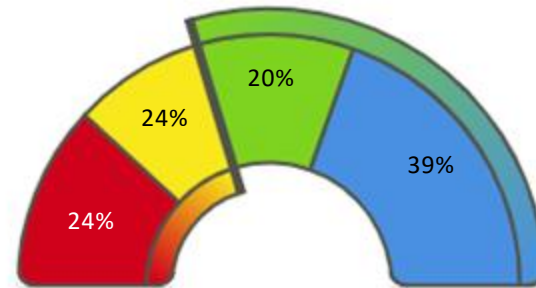
FALL

2021-22

WINTER

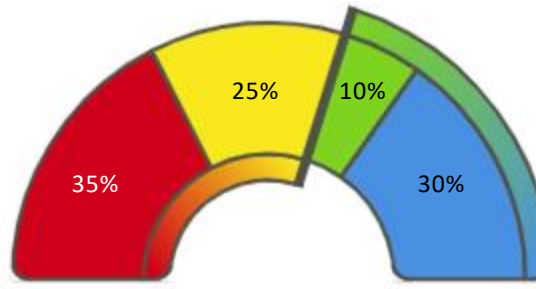


315

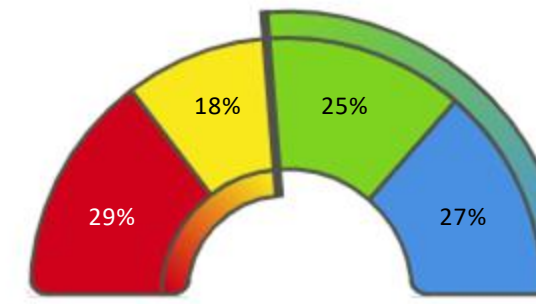


312

2022-23



332

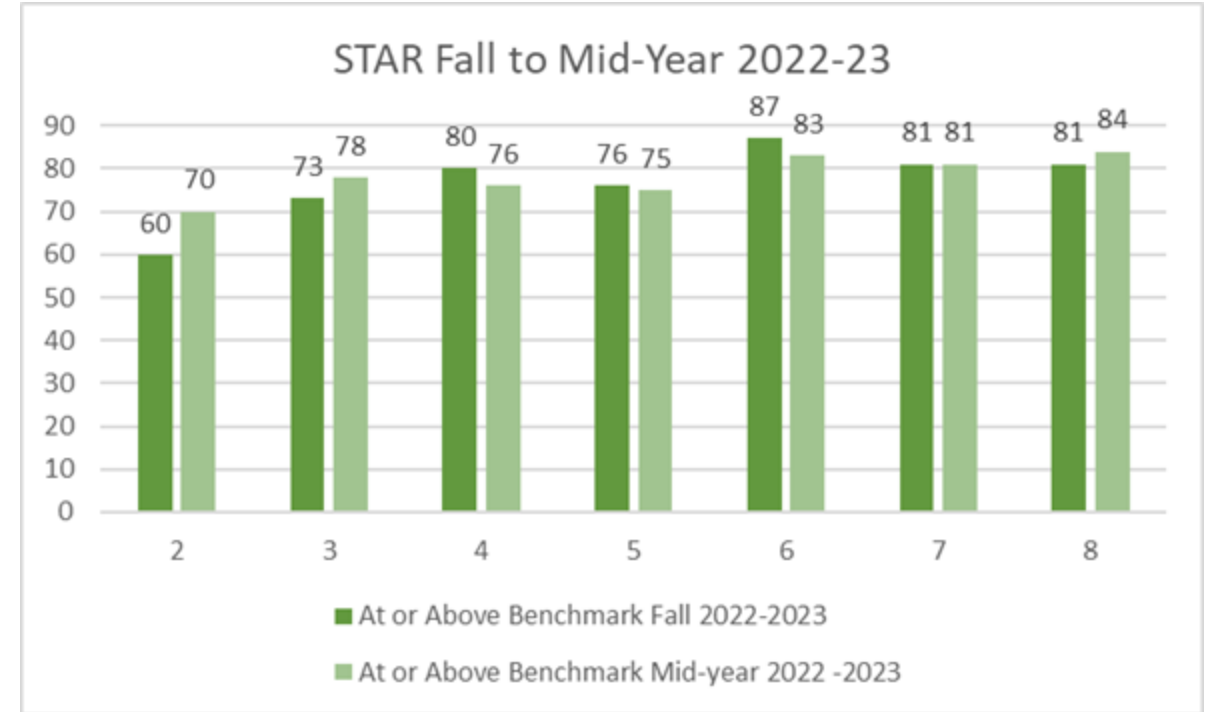
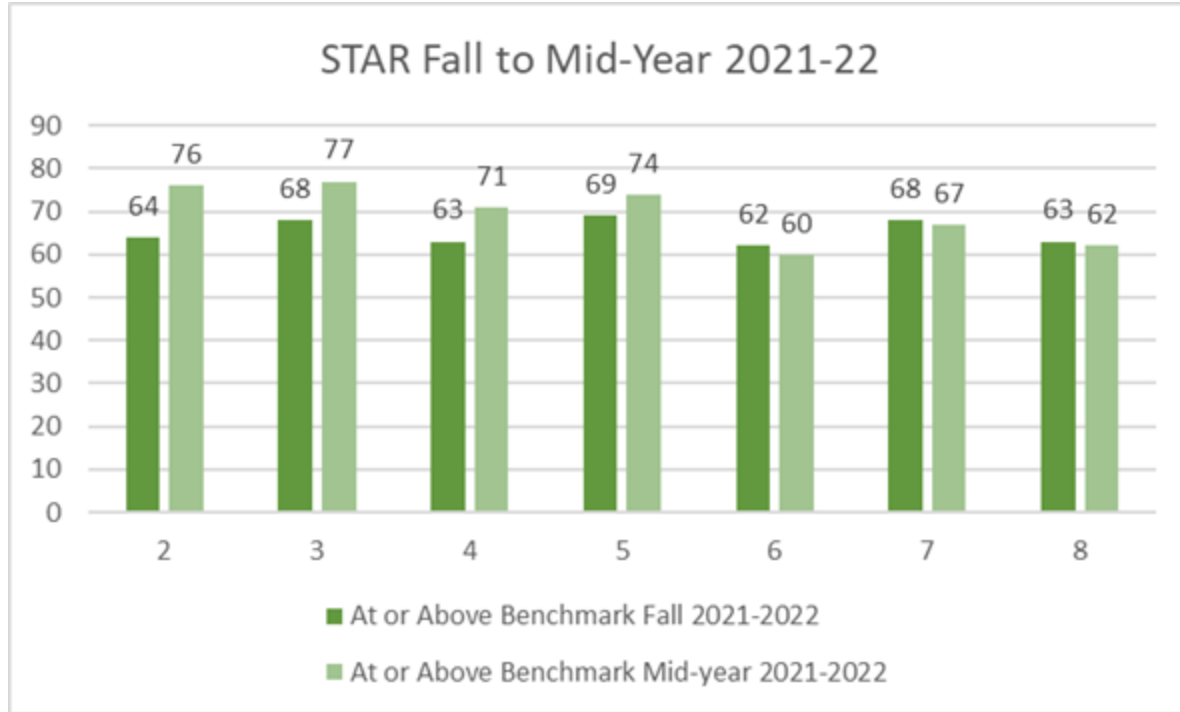


335

- The graphs represent Nonsense Word Fluency score data for DIBELS (Dynamic Indicators of Basic Early Literacy Skills) in fall and mid-year
- Blue indicates Above Benchmark
- Green indicates At Benchmark
- Yellow indicates a need for Strategic Intervention
- Red indicates a need for Intensive Intervention

Fall to Mid-Year Data 2021-22 and 2022-23

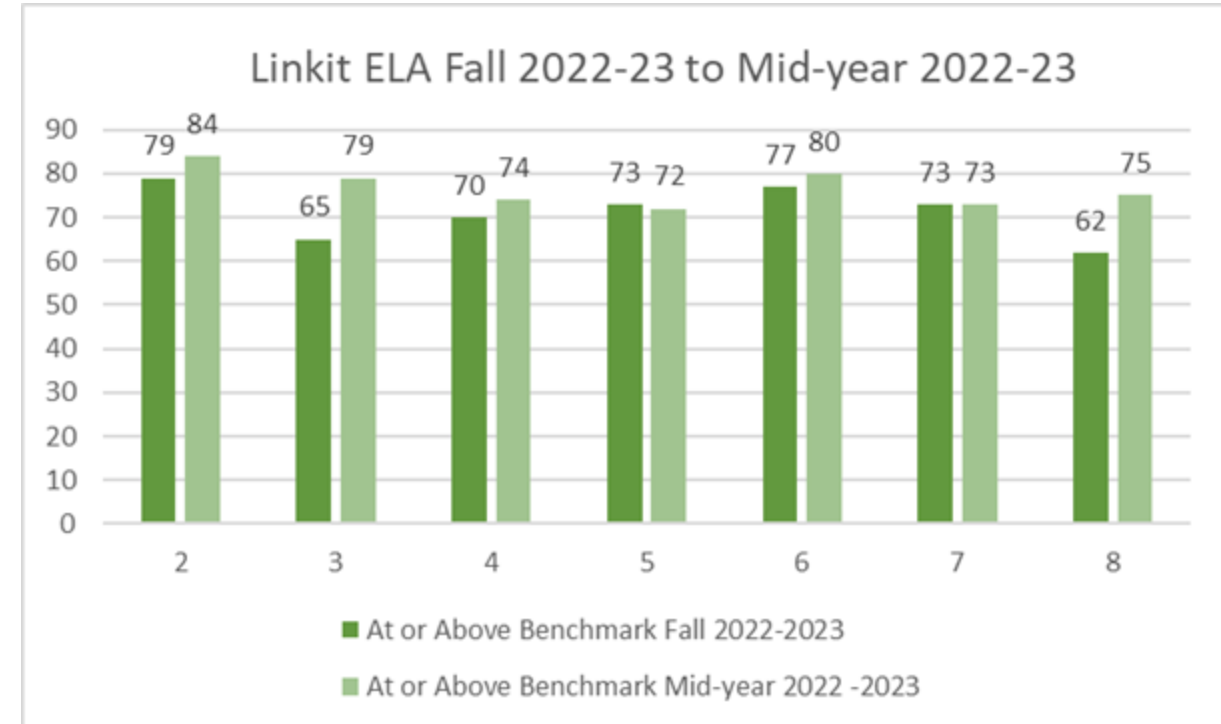
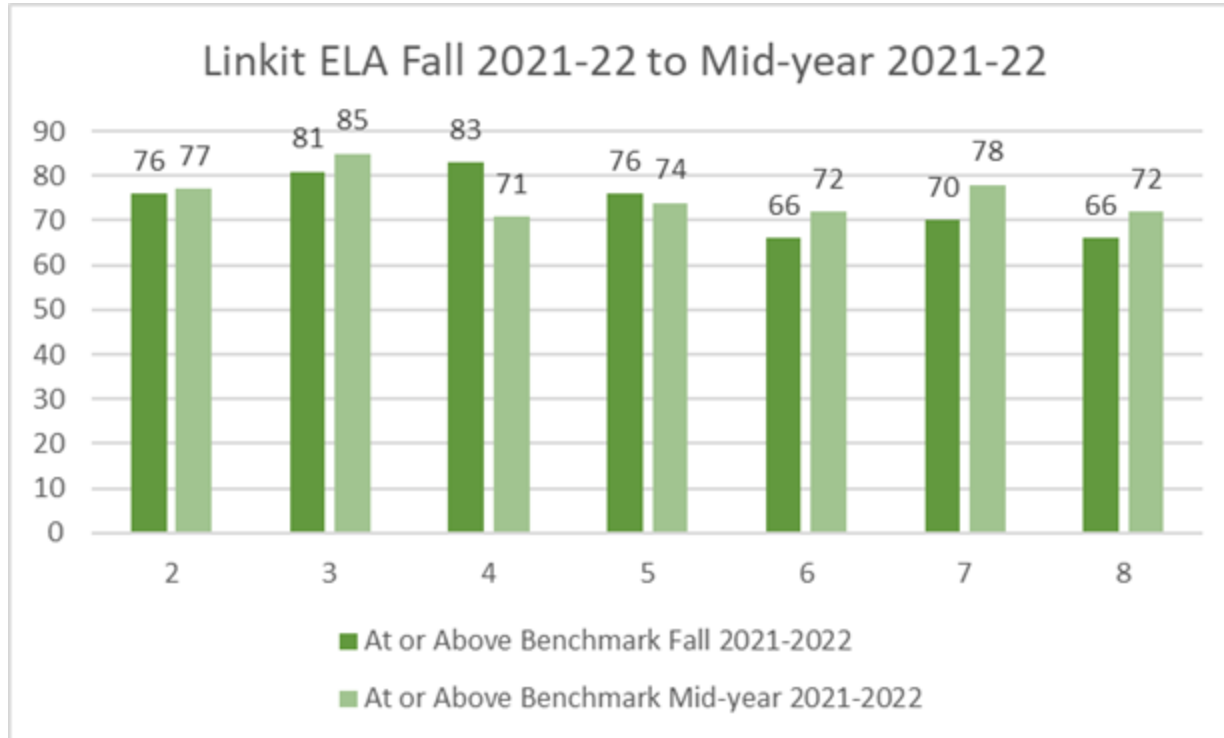
STAR Grades 2-8



- STAR Reading is an online test of general reading skills that intuitively adapts the level of difficulty of the question asked based on the child's performance
- The graphs represent performance and growth on the benchmarks from Fall to Mid-year and provide a side by side comparison from 2021-22 school year to 2022-23

Fall to Mid-Year Data 2021-22 and 2022-23

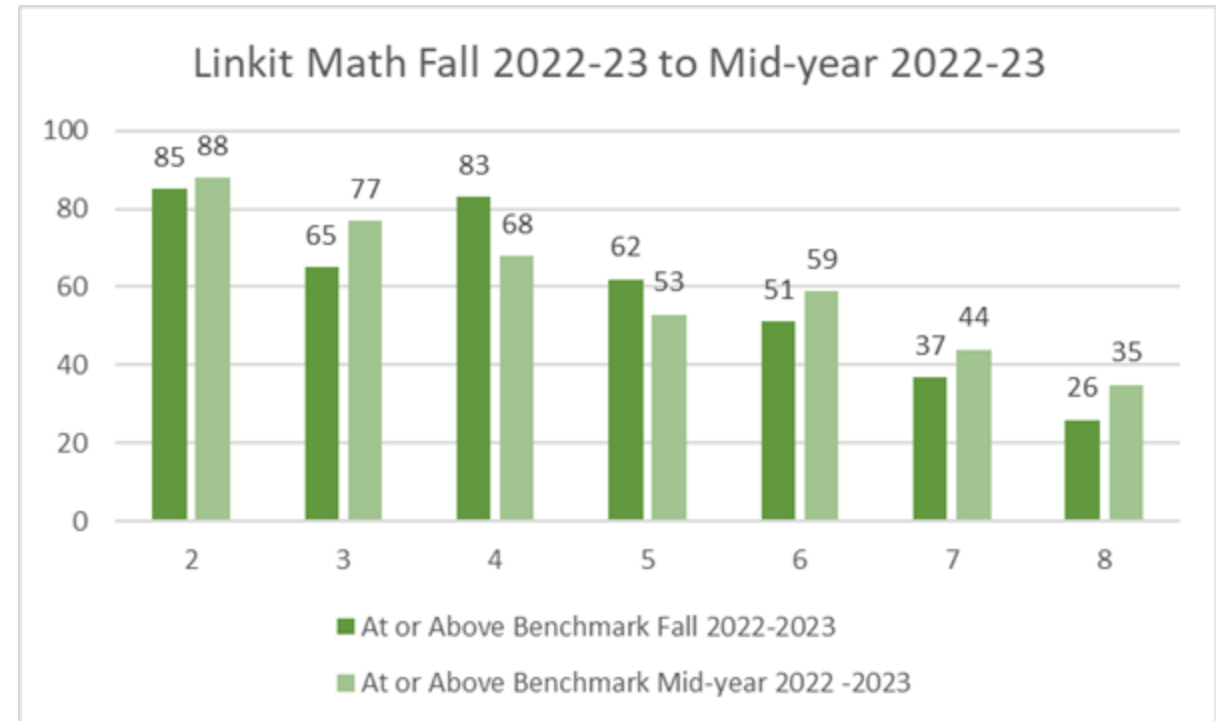
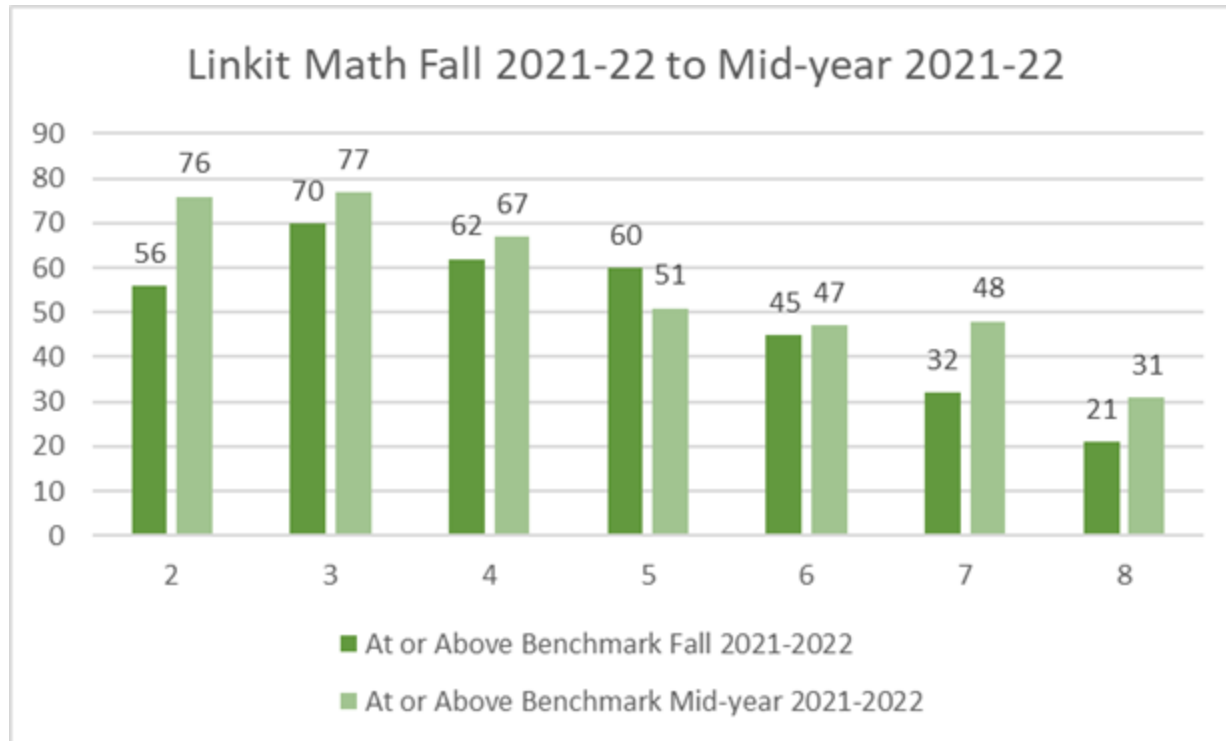
Grade 2-8 Linkit ELA



- Linkit Benchmark Assessments closely mimic the format of the PSSA and test all of the eligible content for the grade level across three yearly tests
- Students take these online
- The graphs represent performance and growth on the benchmarks from Fall to Mid-year and provide a side by side comparison from 2021-22 school year to 2022-23

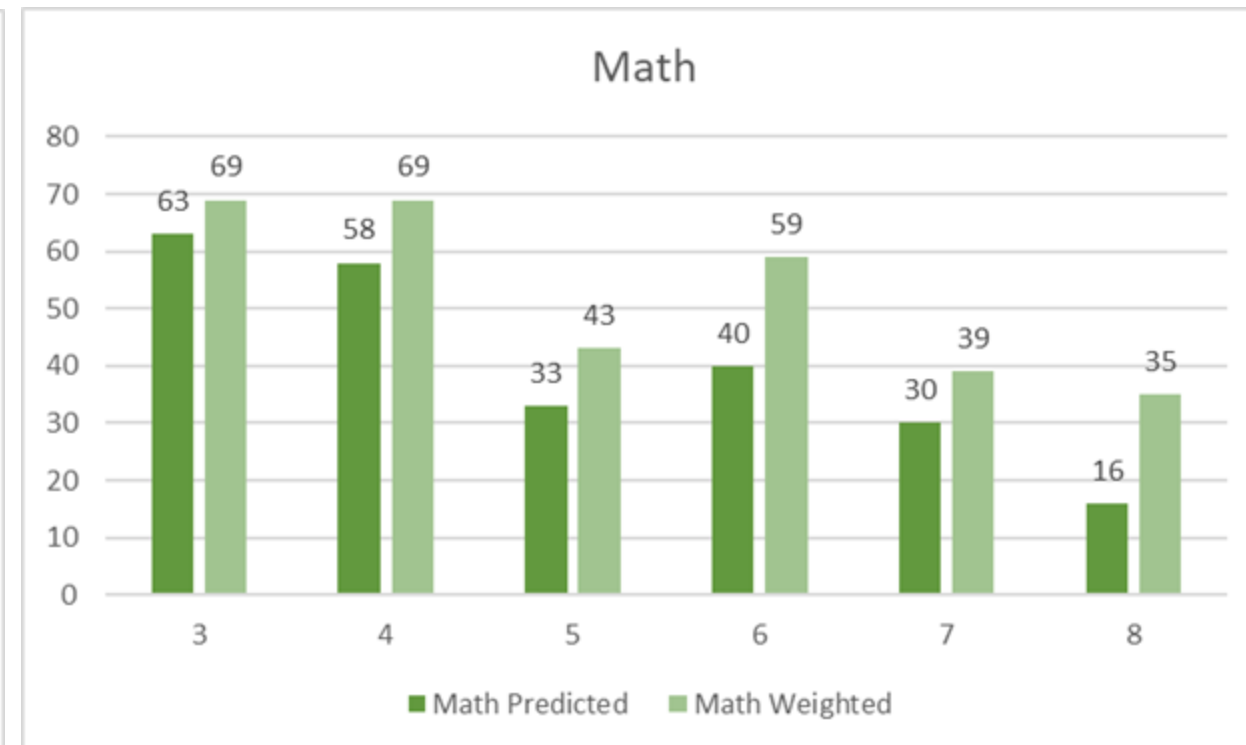
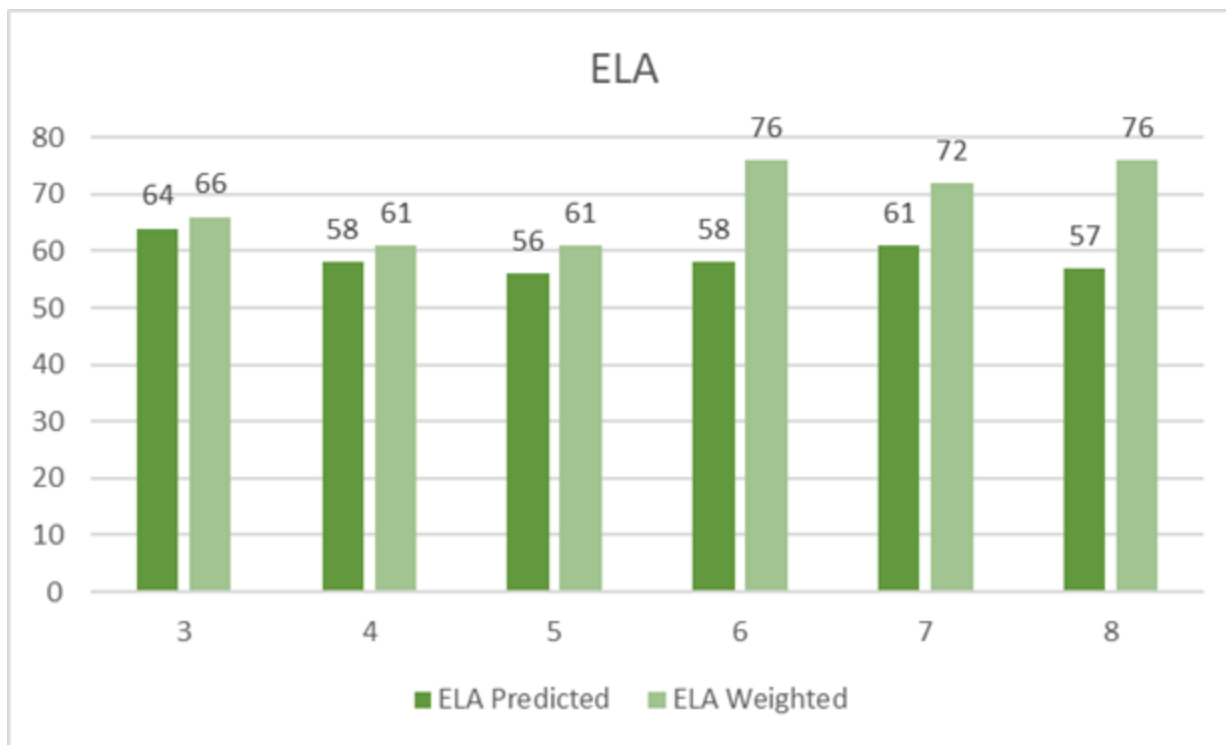
Fall to Mid-Year Data 2021-22 and 2022-23

Grade 2-8 Linkit Math



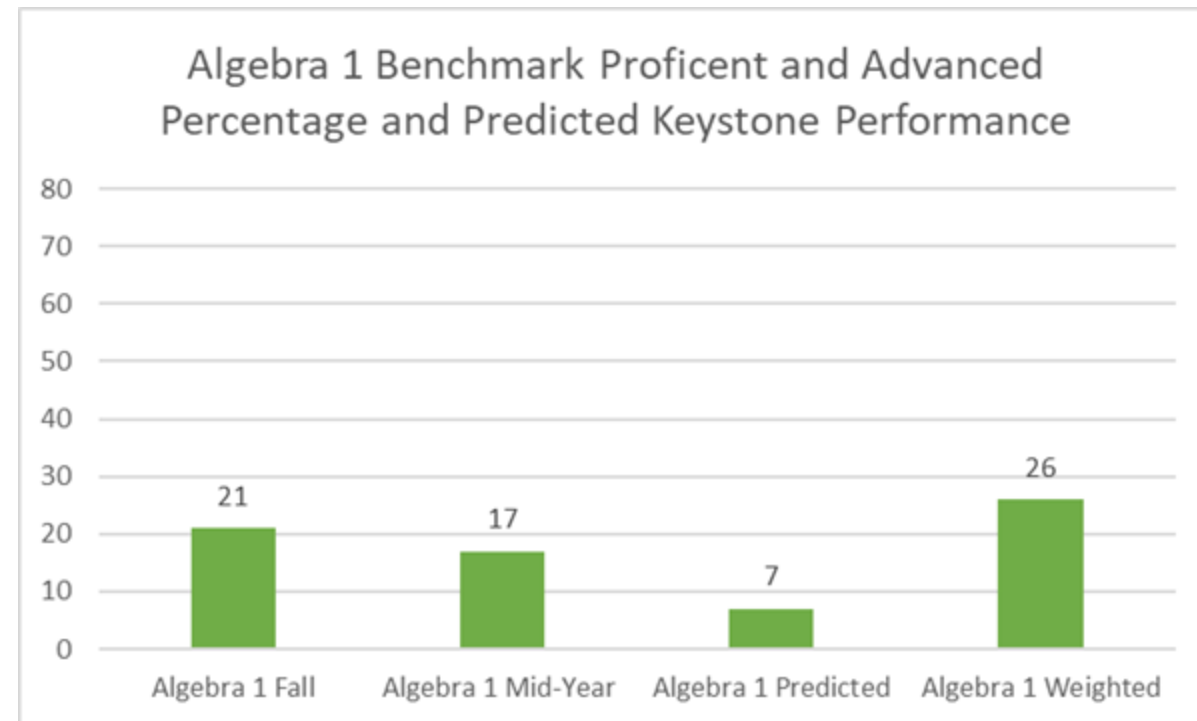
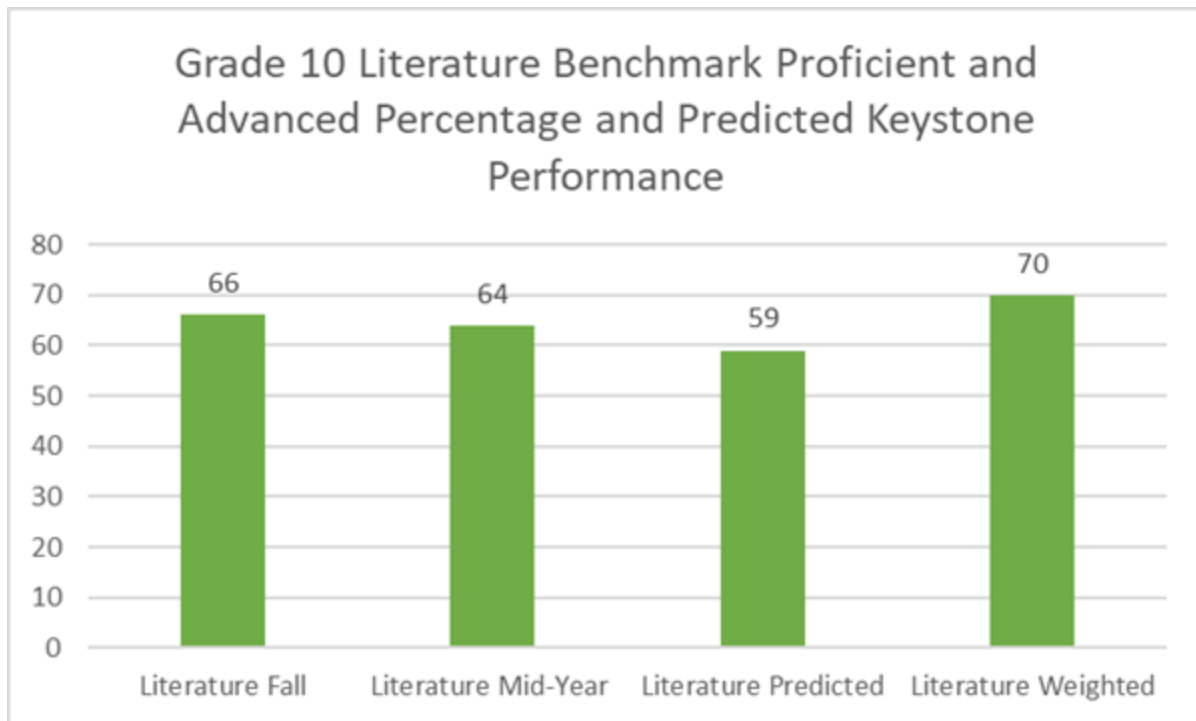
- Linkit Benchmark Assessments closely mimic the format of the PSSA and test all of the eligible content for the grade level across three yearly tests
- Students take these online
- The graphs represent performance and growth on the benchmarks from Fall to Mid-year and provide a side by side comparison from 2021-22 school year to 2022-23

Predicted PSSA Performance Spring 2023*



- The “Predicted” score is based on PSSA cut scores and the performance of students on the current benchmark
- The “Weighted” score is based on the historical data collected including past performance on benchmarks and state tests
- An earlier slide indicated the high level of accuracy of the mid-year prediction to actual performance
- Actual results can be greater with additional instruction, remediation or extension

Keystone Benchmarks and Predicted Performance 2022-2023*



Scores reflect MHS Algebra 1 Students only

- The graphs represent performance on the Linkit Benchmark in Fall and Mid-year and Prediction of performance on the Spring 2023 Keystone
- The “Predicted” score is based on PSSA cut scores and the performance of students on the current benchmark
- The “Weighted” score is based on the historical data collected including past performance on benchmarks and state tests
- Actual results can be greater with additional instruction, remediation or extension

*Prediction from Linkit Analytics

Interventions Implemented

- Structured Literacy Training for Grades K and 1
- Full time Math Specialist K-4
- Additional Math Specialist Grades 5-6
- Use of the iReady Diagnostic and Pathway

Methacton High School

Literacy

- *Identify and analyze theme development in text*
- *Analyze how an author uses language to support an idea or claim in non-fiction*
- *Analyze how an author's use of language impacts meaning*

Math

- *Apply probability in practical situations*
- *Use data displays in problem solving*
- *Describe sets of data using measures of dispersion*

Action Plan

- **Principal, Curriculum Coordinators, Secondary Curriculum Supervisor and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Principal shared specific student information with all staff in ELA and Math**
- **Teachers will be conferencing one on one with students to review errors on mid-year benchmarks and clarify understandings**
- **Mid-year results will be shared with parents/guardians**
- **Classroom instruction will include remediation for whole and small groups based on benchmark data**

Arcola Intermediate School

Literacy

- *Grade 7-Cite textual evidence to support analysis, inferences*
- *Grade 7 & 8- Read and comprehend literary nonfiction and informational text*
- *Grade 8-Analyze how an author's use of language impacts meaning*

Math

- *Grade 7-Solving Multi-Step Problems*
- *Grade 7 & 8-Appling operations related to expressions*
- *Grade 8-Appling Pythagorean Theorem*

Action Plan

- **Principal, Secondary Curriculum Supervisor and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Math Coach met with Math teachers to review areas of need and collaboratively plan instruction and remediation**
- **Principal and Secondary Curriculum Supervisor met with Reading and English Department Coordinators to plan for instruction and remediation plans for their courses**
- **Classroom instruction will include remediation for whole and small groups based on benchmark data**

Skyview Upper Elementary School

Literacy

- *Grade 5-Examining the author's decisions within text to explore structure and meaning*
- *Grades 5 & 6-Citing text evidence to support analysis and higher level thinking*
- *Grade 6-Using text details to determine a central idea*

Math

- *Grade 5-Solving problems involving fractions, decimals, and measurement*
- *Grade 5 & 6- Writing to explain mathematical thinking and process*
- *Grade 6-Solving for and evaluating algebraic expressions*

Action Plan

- **Principal, Math Coach, Math Specialist and ELA Specialists and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Principal, Math Coach and Curriculum Coordinator shared specific content information with ELA and Math teachers to ensure common understanding and practice with focus skills**
- **Teachers were provided with test taking strategies to be presented to students**
- **Classroom instruction will include remediation for whole and small groups based on benchmark data**

Arrowhead Elementary School

Literacy

- *Grade 3-Understanding and using text features to locate and interpret information*
- *Grades 3 & 4-Comparing and contrasting elements of text(s)*
- *Grade 4-Citing text evidence to support analysis and higher level thinking*

Math

- *Grade 3-Solving problems involving fractions and area*
- *Grades 3 & 4-Writing to explain mathematical thinking and process*
- *Grade 4-Understanding and solving multi- step problems*

Action Plan

- **Principal and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Principal worked with specialists and Math Coach to identify areas of need and plan for remediation**
- **Specialists created and shared activities for use in the classroom for small group instruction and centers**
- **Teachers will be conferencing one on one with students to review errors on mid-year benchmarks and clarify understandings**

Eagleville Elementary School

Literacy

- *K-2- Focusing on phonemic awareness, phonics, and written expression*
- *Grade 3- Understanding and using text features to locate and interpret information*
- *Grade 4- Citing text evidence to support analysis and higher level thinking*

Math

- *Grade 3- Solving problems involving fractions and area*
- *Grades 3 & 4- Writing to explain mathematical thinking and process*
- *Grade 4- Understanding and solving multi- step problems*

Action Plan

- **Principal and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Specialists and Math Coach met with teachers to review areas of need and plan for remediation**
- **Math Coach will be working with teachers on implementing strategies to address areas of need**
- **Reading Specialist is compiling Wonders Resources to share with teachers for use in instructing and remediating areas of focus**
- **Teachers are creating activities for use in the classroom for small group instruction and centers to address skills**

Woodland Elementary School

Literacy

- *Grade 3-Identifying author's point of view & Compare/contrast themes, plots, and settings*
- *Grades 3 & 4 Writing- Drawing evidence from texts*
- *Grade 4- Identifying the reasons and evidence to support a particular point and identifying text structure*

Math

- *Grade 3- Comparing and creating equivalent fractions*
- *Grades 3 & 4- Using multiple strategies to solve problems*
- *Grade 4- Solving multi-step problems involving rational numbers*

Action Plan

- **Principal and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Principal and Specialists met with teachers to review areas of need and ensure common understanding**
- **Math Specialist will be working with teachers on implementing strategies to address areas of need**
- **Reading Specialist and teachers collaborated to create activities for use in instructing and remediating focus skills**

Worcester Elementary School

Literacy

- *K-2- Focusing on phonemic awareness, phonics, and written expression*
- *Grade 3- Compare and contrast the story elements between two similar texts*
- *Grade 4- Citing text evidence to support analysis and higher level thinking*

Math

- *Grade 3 - Creating and comparing and Equivalent Fractions*
- *Grades 3 & 4- Writing to explain mathematical thinking and process*
- *Grade 4- Solve multi-step problems including those with fractions and decimals*

Action Plan

- **Principal and Supervisor of Continuous Improvement met with Linkit to review Benchmark results**
- **Principal worked with teachers to clarify understandings and ensure a common vocabulary**
- **Principal developed resources for teachers to use to enhance their classroom questioning with a push toward higher order thinking**
- **Teachers are creating center and small group activities focused on the areas of need with supports from specialists and the math coach**
- **Math Specialist will work with students on the skills in need as an extra support**



Thank you!