

School District U-46

Elementary Math Intervention

Board of Education Presentation

Brian Tennison, Assistant Superintendent of Teaching and Learning

Amy Ingente, Math Coordinator

Monica Ruzicka-Stout, MTSS* Coordinator

*Multi-Tiered System of Support



Purpose



Recommend the adoption of
Curriculum Associates
i-Ready Math
Personalized Instruction
as an intervention program for
grades K-6

Rationale

The contracts with our current math intervention programs (BlueStreak and STMath) expire in June 2024.

An RFP process was used to examine available resources and select the best program for adoption.

Process - RFP

Received 12 submissions for consideration

Evaluated based upon:

- Cost and References
- Materials in Spanish and English
- Conceptual to Procedural Instruction
- Small-Group Instructional Resources

Selected top 3 finalists for a 4 week program trial

Process - Program Trial

Call to Committee:

- 32 participants - teachers, building instructional coaches, and school administrators
- Representation from Multilingual and Multicultural Education, Special Education, all grades, and all networks

The work:


- Attended professional development for each program
- Used each program for 4 weeks with students identified for Tier 2 supports
 - Vendor 1: December 4 - January 12
 - Vendor 2: January 15 - February 9
 - Vendor 3: February 12 - March 8
- Progress monitored for student growth
- Completed evaluation rubrics for each program


Trial - Progress Monitoring


DELTA MATH Name _____ Date _____

3rd Grade Readiness: Winter Progress

Questions 1-3: Find the number shown.

1. 

2. 

3. 

Please stop, put


DELTA MATH **3rd Grade Readiness: Winter Progress**
(continued)

Questions 10-12: Add the numbers.

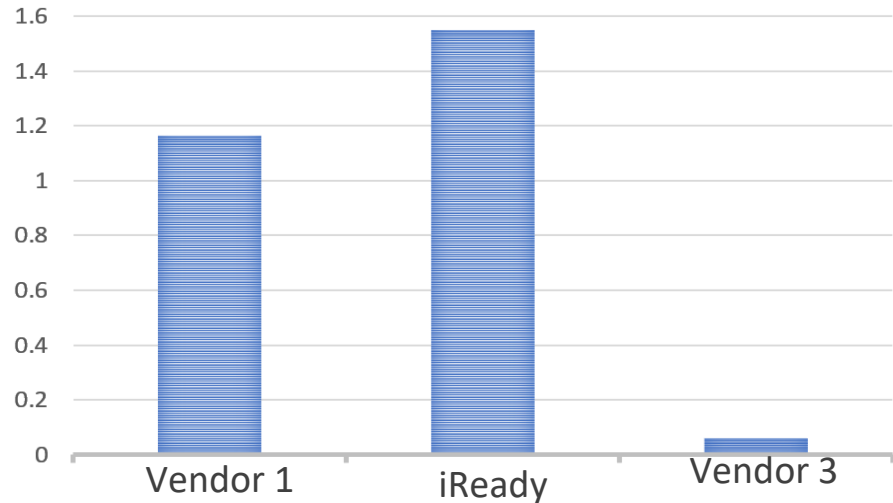
10.
$$\begin{array}{r} 46 \\ + 32 \\ \hline \end{array}$$
 Answer: _____

11. $58 + 25 = \underline{\quad}$ Answer: _____

12.
$$\begin{array}{r} 62 \\ + 54 \\ \hline \end{array}$$
 Answer: _____



External progress monitoring between intervention programs to monitor progress from the intervention



Trial - Program Evaluation

Alignment

- Strengths identified and instruction on areas of improvement
- Focus on grade level appropriate standards
- Foundational skills

Comprehensive

- Language use
- Think aloud modeling
- Concrete and visual opportunities
- Concrete to abstract
- Gradual release
- Independent practice
- Student explanations

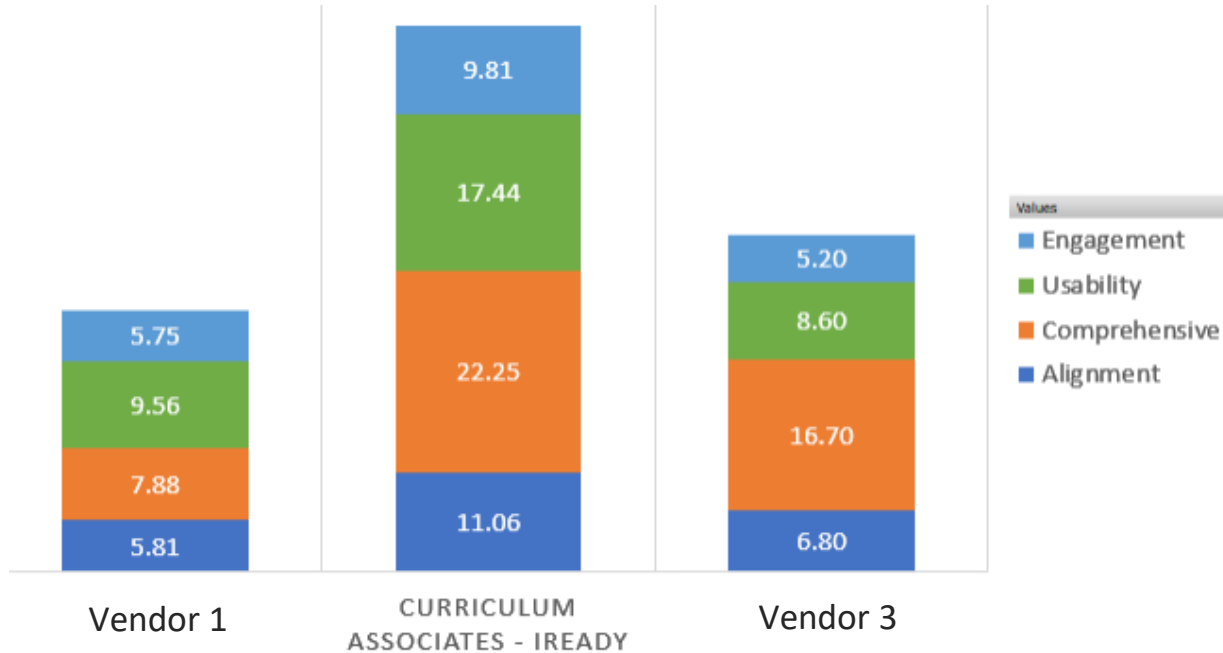
Usability

- Fits into instructional day
- Ease of small group instruction
- Locating lessons
- Diagnostic and progress monitoring tools
- Accessing and reading reports

Engagement

- Growth mindset
- Minimize non-productive behavior
- Keeps students engaged in the learning

Trial - Program Evaluation



Trial - Program Evaluation

i-Ready generated the greatest amount of student growth during trial period and had the highest ratings for alignment, comprehensiveness, usability, and engagement.

i-Ready also contains both conceptual and fluency instruction in alignment with the standards.

- My Path - conceptual
- Fluency Flight - fact fluency

Additional Note

This RFP process, call to committee, and program trial was also completed for a secondary math intervention program.

- 10 RFP submissions and 3 finalists were selected
- 20 secondary teachers and administrators joined the committee; however, we are not moving forward due to limited participation of the trial in grades 7-12.

We will continue to evaluate next steps and supports moving forward.

Recommendations for Implementation

Adopt Curriculum Associates i-Ready Math Personalized Instruction as an intervention program for grades K-6

Digital version only, no print resources per recommendation from trial participants

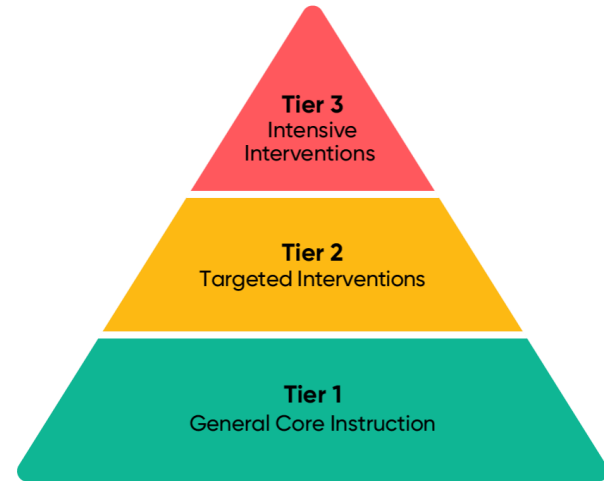
- Online activities for students
- Small-group lessons are online and printable, if needed
- Student needs vary based on the diagnostic test, and do not match the physical books

Recommendations for Implementation

Three-year adoption

Purchase 3,500 digital licenses to provide students receiving Tier 2 and Tier 3 supports in grades K-6, including students with an Individualized Educational Plan (IEP)

Coordinate professional development with the i-Ready Diagnostic program and dedicated District trainer



Cost

| <u>Description</u> | <u>Qty</u> | <u>Cost/Item</u> | <u>Total Cost</u> |
|--|------------|------------------|-------------------|
| i-Ready Classroom 2024 Mathematics Student Digital Access (3 Years) | 3,500 | \$44.75 | \$156,625.00 |
| i-Ready Assessment and Personalized Instruction Math Per Student License (3 Years) | 3,500 | \$85.54 | \$299,390.00 |
| Total | | | \$456,015.00 |

Cost per student = \$43.43 per year

Plans for the Evaluation of Change

Data will be reviewed from indicators such as:

- i-Ready diagnostic growth following benchmark periods by the Instructional Leadership Team
- i-Ready math program growth on a monthly basis by building MTSS teams and the MTSS Committee
- Illinois Assessment of Readiness (IAR) growth on yearly basis by the Instructional Leadership Team, School Improvement Plan (SIP) Teams, and the Teaching and Learning Department

Proposed Results

Through the use of i-Ready Math Personalized Instruction with students receiving Tier 2 and Tier 3 supports:

- Identify missing skills and fill gaps in our students' knowledge
- Accelerate students' learning, evident in above-average growth scores on the Diagnostic benchmark assessments
- See a reduction in the number of students identified for continued Tier 2 and Tier 3 math supports

