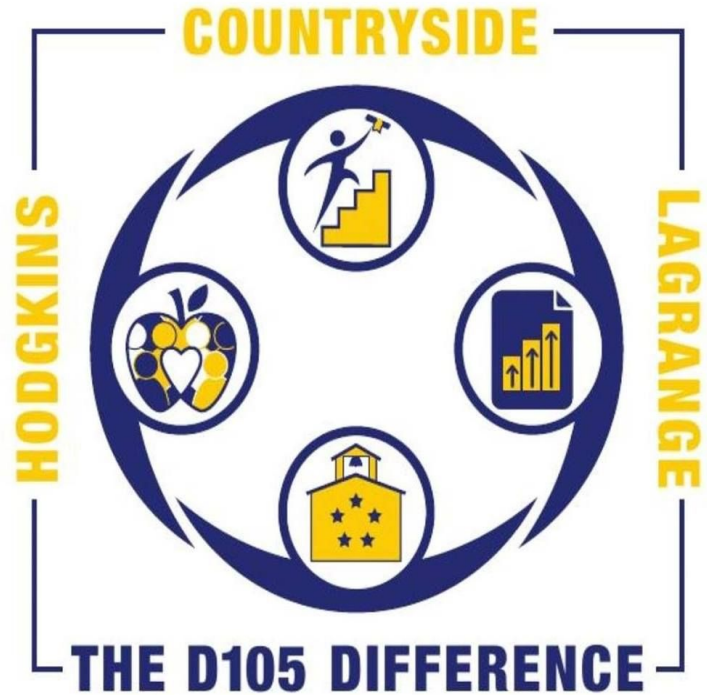


Math Resources Adoption Update

June 24, 2024



Math Vertical Alignment Team

Math Vision - Our Values and Beliefs

- Math will be **FUN** for students and teachers!
- ALL students can and will experience **math success**
- Students will be **highly engaged** with math learning
- Instruction will be **Focused** (depth), **Rigorous** (increasingly complex), **Coherent** (vertically aligned) and **Relevant**
- Deep **conceptual math** understanding will be a priority K-8
- **High Quality Instructional Resources** used with fidelity across K-8

Math Vertical Alignment Team

Math Vision - Our Values and Beliefs

- Student math **discourse** will be frequent and include strong math reasoning and math strategies
- Teachers will be the **facilitators of learning**
- Students will **monitor their OWN progress**
- **Parents will be critical team members** in Math learning
- **Effective assessment practices** will provide critical data to drive instruction
- **Robust teacher Professional Development and Collaboration** at building and district levels to ensure best practices/guaranteed and viable instruction

***Leverage our Strengths and Address our Weaknesses*

Math Programming Decisions for 2024-25 School Year

June 4th - Full day meeting

- Reviewed all pilot feedback
- Focused on strengths and challenges
 - to each program
 - to various grade level sequences
 - to possible roll-out options

Program Decision

- ***i-Ready Math***
 - Kdg -5th grade
- ***Illustrative Math***
 - 6th-8th grade

High Quality Math Materials

Defining Program Features

Illustrative Math and i-Ready Math - Both have...

- Consistent, research based lesson structures & routines focused on discourse, exploration, and inquiry K-8
- Embedded NCTM Math Practices in all lessons
- Extensive problem solving work aligned to standards
- Fact fluency support
- Numerous opportunities for both formative and summative assessment
- Scaffolded and differentiated supports for all learning needs
- Rigorous level of questioning with built in supports
- Prioritization of conceptual understanding before procedural
- Emphasis on conceptual understandings through the use of manipulatives
- Strong teacher supports focused on sequencing of math skills across grades
- Embedded teacher PD on math instructional best practices and use of materials
- Parent resources in both print and digital to support at home learning

Defining Program Features

<i>i-Ready Math K-5</i>	<i>Illustrative Math 6-8</i>	<i>Features in COMMON!</i>
<i>i-Ready Math</i> began as an elementary program - K-5 programming is more developed	<i>Illustrative Math</i> began as a middle school program - 6-8 programming is more developed	Embedded focus on SIOP Strategies
Lesson Structure/Routines Explore - Develop - Refine	Lesson Structure/Routines Launch - Activity - Synthesis - Cool Down	Assessments - summative and formative in each lesson to inform differentiation opportunities
Student Discourse Structure Try It - Discuss It - Connect It	Student interaction/discourse built in to every lesson - flexible and fluid	Embedded focus on NCTM practices
MyPath diagnostic assessment identifies and supports pre-requisite skill needs		Specific math language routines embedded into activities to develop academic language
Fact Fluency supports		Deep problem solving with prioritization of conceptual understanding before procedural
		Embedded teacher PD and sample lesson videos
		Parent supports for at-home learning

Math Programming Roll-Out for 2024-25 School Year

Math Programming “Roll Out”

- Full Kdg-8th grade to implement in 2024-25 school year
 - Same resources across full PLC teams
 - PLCs can plan and collaborate together better
 - Supports strong alignment and coherence year over year

Math Programming “Roll-Out” Planning

- Math Planning Committee - July 9, 10, 11 (and throughout year)
- Non-negotiables for fidelity of implementation - Year 1 roll out
 - Routines, structures, discourse connected to problem solving experiences
- Outline yearlong PD supports both in and out of the classroom
 - Math specialists supports
 - PLDs, Building Meetings, PLC meetings
 - Resource training, unpacking resources/pacing, collaborative planning, analyzing assessments, math and SIOP, etc.
- Outline family communication regarding program changes
- Plan for the monitoring of year 1 implementation success

New Math Programming Costs

Materials

- i-Ready Math - \$212,000
 - One time purchase of Teacher Edition materials
 - 6-year purchase of print & digital for students and teachers
- Illustrative Math - \$73,000
 - One time purchase of Teacher Edition materials
 - 6-year purchase of digital for students and teachers
 - 1-year purchase of print for students
- Total estimated costs - \$285,000
 - 6 year bundle
 - \$47,500 prorated annual

Manipulative Kits

- Supports all units across all grade levels
 - \$30,000

Materials + Manipulatives Costs

- \$315,000
 - Costs can be paid out over 2 years

****Other Future Potential Costs**

- If Grades 6-8 continue with consumable workbook, estimated \$15,000/year for each year purchased