Greater Math
in North Dakota

WELCOME

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Q & A SERIES

OVERVIEW AND Q&A	NOVEMBER 15, 2022, AT 9:00 AM CST
APPLICATION PROCESS AND Q&A	NOVEMBER 22, 2022, AT 3:30 PM CST
QUESTIONS/ASSISTANCE	NOVEMBER 29, 2022, AT 4:00 PM CST

All sessions in the Q&A Series will use the same MS Teams MEETING LINK

BIG PICTURE

Only 39% of students in ND are proficient in math. Proficiency is exasperated in grade levels 3-8.

Math is cumulative and as students move on, the bottom of the iceberg continues to get bigger as more skills are added and not mastered.

"Unfinished learning accumulates and persists, hindering the ability for students to become ready for college and career."- *New Classrooms, Iceberg Problem*

NDDPI believes to successfully accelerate students' growth in math we need to focus first on adult behavior changes and best practices by using a differentiated approach to teaching using blended learning.

WHAT IS >MATH IN NORTH DAKOTA

- Partnerships:

  - **REL Central-** (Federally sponsored Regional Educational Laboratory)- Mathematica research-based company that is partnered with **NDDPI**

  - **REA's** (ND Regional Educational Associations)

  - Grantee's **Math Teams**

- Support:

  - Support Educators and school Administrators by focusing on planning, delivery and reflecting

  - Instruction and intervention support

  - Refining the teacher's approach by using the same curriculum, tool, programs, and online platforms that a school already has

- Outcomes:

  - Increase math growth by closing students' math gaps by implementing a high-quality blended learning model
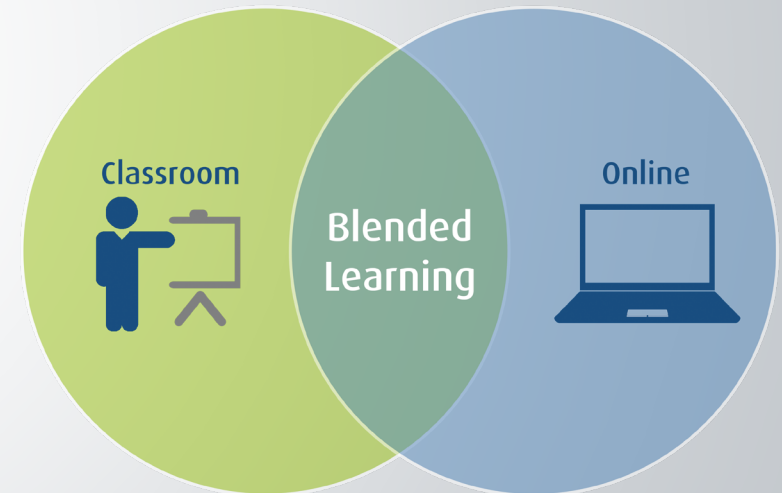

Working together as a TEAM, the STATE and Grantee schools, are learning and growing together to create Greater Math in North Dakota.

BLENDED LEARNING

- >Math in North Dakota capitalizes on blended learning as a strategy to address the iceberg problem.

- Blended learning combines face-to-face instruction with online learning by leveraging technology to assist educators in diagnosing students' prior knowledge, differentiating academic paths for each student, and adjusting lesson execution.

- Blended learning is a form of differentiated instruction.

COMPONENTS OF THE GRANT

Eligibility

- Public Schools working with students in Grades 3-8 in the content area of math

- You can target a series of 3 consecutive grades (i.e. grades 3, 4, and 5)

- Those committed to reforming math instruction in ALL grades 3-8 will receive higher preference

COMPONENTS OF THE GRANT - APPLICATION

- District and School Information

- School Demographic and Structure: >Math Team

- Narrative Responses focusing on current math needs, student needs, educator needs, and system capacity.

- Budget Information (Enrollment- a more detailed budget is developed later in the process)

- Assurances and Signatures

COMPONENTS OF THE GRANT - SCHEDULE

- 3- Q and A's: (listed in the beginning of the PowerPoint)

- Applications Due: December 8, 2022

- Review and Scoring: December 12-15, 2022

- Notice of Selection: December 16, 2022

- Post Award Meeting with DPI: January 2023

TRAINING AND SUPPORT

Spring 2023

>Math Team Training Sessions

2023-2024

Blended Learning Site Implementation

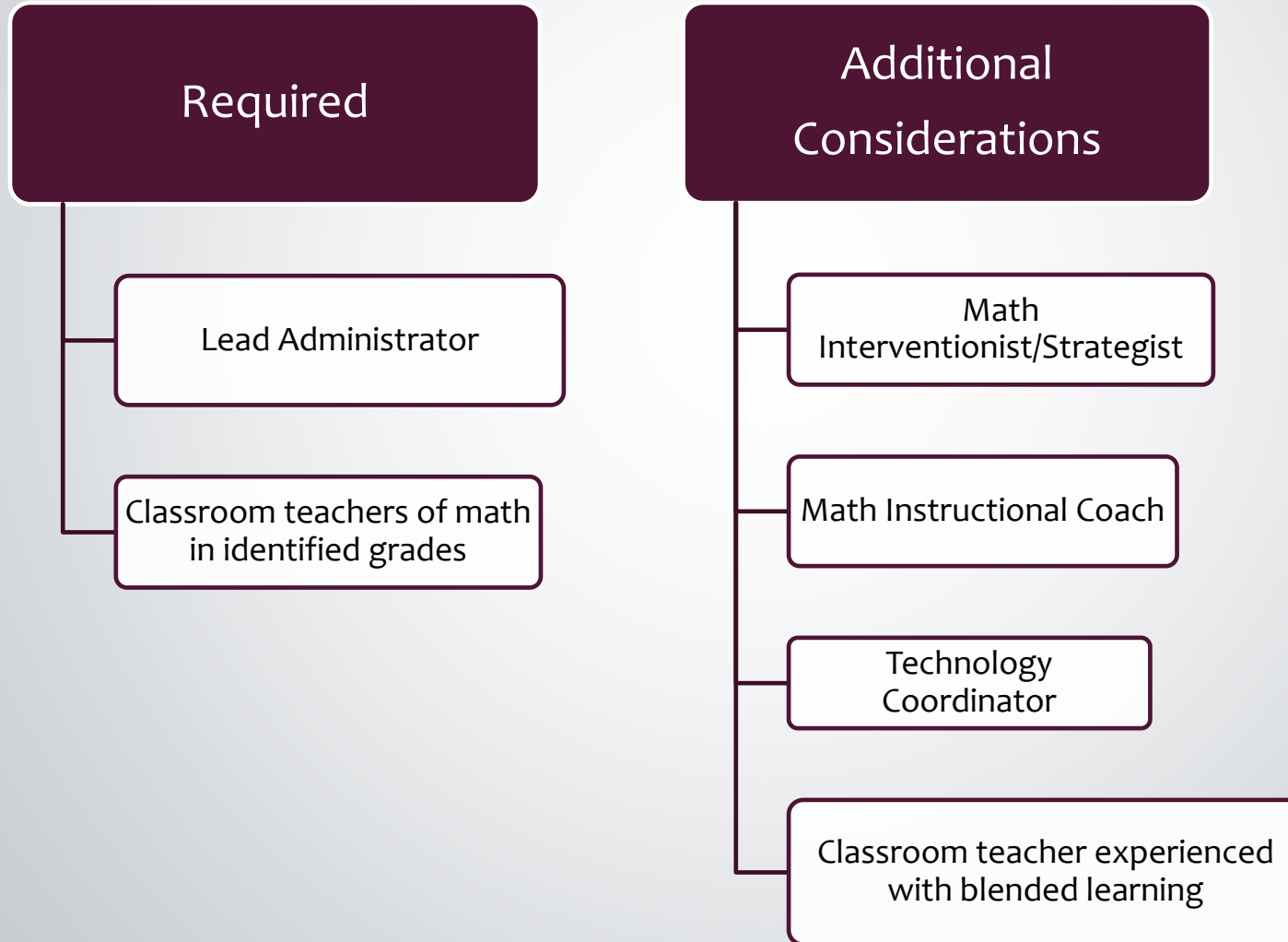Monthly Community of Practice (CoP) for >Math Teams

2024-2025

Blended Learning Site Implementation

Monthly Community of Practice (CoP) for >Math Teams

Share learnings and scale to more schools

Continued Learning and Refinement with NDDPI and Partners

LOCAL >MATH TEAM REPRESENTATION

Required

- Lead Administrator
- Classroom teachers of math in identified grades

Additional Considerations

- Math Interventionist/Strategist
- Math Instructional Coach
- Technology Coordinator
- Classroom teacher experienced with blended learning

CONTACT INFORMATION

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Website for more information: >Math in ND | North Dakota Department of Public Instruction