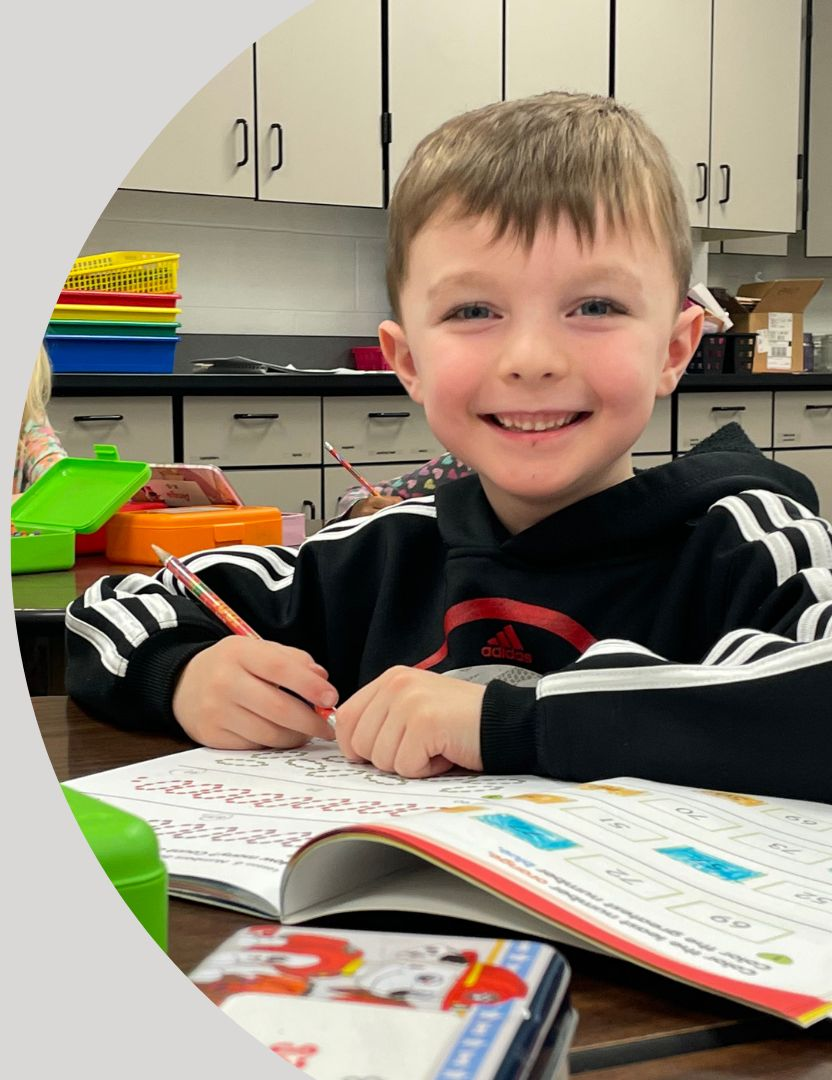




Elementary Math

Committee Update
May 5, 2022





AGENDA

1. Strategic Plan Connection
2. Committee
3. Timeline
4. Professional Learning
5. Resource
6. Cost
7. Impact

Strategic Plan Connection



In Arlington Heights School District 25, we **empower an inclusive, diverse community of learners to innovate and thrive as global citizens.** Through our math instruction at the elementary level, we use an innovative Concrete, Pictorial, and Abstract approach that enables us to **better meet the needs of all students.** This focus on building conceptual understanding and flexible thinking creates an inclusive classroom environment where all students are invited to apply their thinking through **authentic-real life learning opportunities.** Students **develop resilience and perseverance in their learning through problem solving,** which increases their engagement and ownership.

Committee



- At least 2 Teachers per elementary building with balanced grade level representation districtwide
- Special Education & Multilingual Teachers
- Elementary Principal
- Math Coordinator
- Advanced Learning Coordinator
- Assistant Superintendent of Student Learning

Timeline



Committee

- Book study
- Reviewed best practices, standards & research
- Updated Math in Focus pilot

Committee

- Full-year pilot of updated curriculum
- Guided math professional learning
- Supported future implementation

Committee

- Support implementation

All teachers

- Continue professional learning & grade-level collaboration for teachers
- Fully implement Math in Focus 2020



Committee

- Recommendation to adopt updated Math in Focus curriculum
- Planned implementation and professional learning for teachers

Committee

- Support implementation

Teachers

- Math in Focus 2020 professional learning

Professional Learning



Topics covered will include:

- Inclusive Teaching Practices
- Differentiation
- Guided Math
- Standards for Mathematical Practice
- Fostering Student Thinking & Collaboration
- Problem Solving

Resource



Differentiation Component

Embedded within every section of Math in Focus 2020 is an enhanced resource to support advanced learners, students that need additional support, and multilingual learners. There are recommendations for differentiation for whole group instruction as well as independent practice.

Math Discourse

There are new embedded opportunities in every section for students to engage in math conversations. These conversations foster a student's ability to collaborate with peers, think critically about math concepts, apply their learning, and prove their thinking. Math discourse is also an open-ended entryway that allows students to participate in learning together.

Resource



Real World Application

In addition to the performance tasks that are embedded in our current edition, there is a new STEAM component in the updated edition. These cross-curricular tasks engage students in authentic, real-life learning opportunities that will enhance their understanding of and ability to use math concepts.

Digital Component

Math in Focus is now housed on a digital platform. In addition to print materials, teachers may assign differentiated digital tasks and receive immediate feedback to inform their instruction. Students have access to the digital student edition, lesson videos, games, and virtual manipulatives. Families can visit the digital “family room” that provides information to enhance family engagement and partnership in their child’s learning.

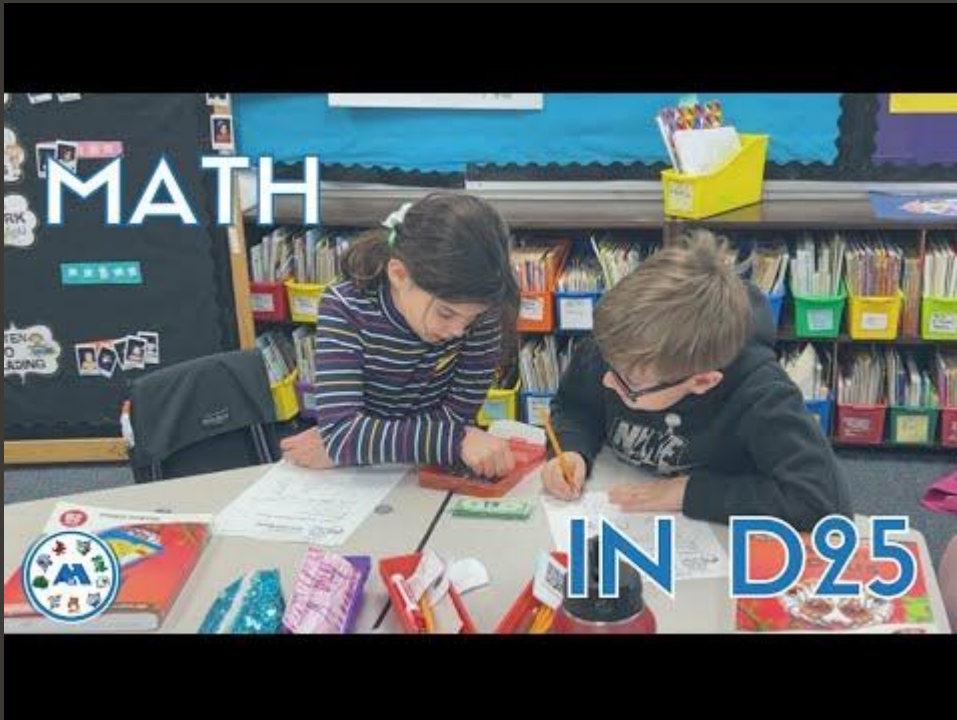
Cost



Item	Cost	Type
Math in Focus 2020 Student Workbooks & Online Materials for Pilot	\$36,480	One time cost
Math in Focus 2020 Teacher Materials*	\$141,202	One time cost *Possible grant fund offset
Math in Focus 2020 Consumable Materials & Online Access^	\$945,954	6 year subscription ^Annual workbook budget is currently \$115,000 * 6 years = \$690,000
Total	\$1,123,636	

Net 6 year additional financial impact = \$433,636

Impact



Lynda Mueller

- 2nd Grade Teacher
- Olive-Mary Stitt

Christina Dastice

- 5th Grade Teacher
- Windsor



Questions?