



Middle School Math Resource Recommendation

April 18, 2018

Our Goal

2017-2018:

- Pilot additional primary math resources in grades 6 - 8 math for a potential adoption for the 2018-2019 school year
- Identify a primary resource that will support the actualization of the District 107 Values Statement for Teaching Mathematics
- Continue math professional development for staff members related to best practices in teaching and learning mathematics

District 107 Value Statement for Teaching & Learning Mathematics

“We value providing students with equal opportunities to engage in meaningful mathematical learning while working collaboratively using multiple representations, strategies, and tools to solve and discuss rigorous, real-world problems.”

2017-2018 Math Pilot Resources

- Big Ideas Math (full year pilot)
- Glencoe Math (full year pilot)
- Connected Math Project (CMP3) (units piloted)
- Core Connections CPM (full year pilot)

Measures Considered

- Instructional Materials Evaluation Tool (IMET) assessment
 - Focus & Coherence
 - Rigor & Balance
 - Access to the Standards for All Students
- Student Feedback
- Parent Feedback
- Teacher Feedback
- Student Assessment Data

Teacher Commentary: Big Ideas

“The [Big Ideas] tutorials and hints are very helpful for students who need help or are absent. The materials are extremely user-friendly for both the teachers, students and parents. Since all of the materials are editable, teachers can differentiate the materials and instruction for students at all learning levels.”

“The Big Ideas curriculum is a great foundational resource off of which teachers can build upon and enhance. It solidifies the skills within the CCSS and provides immediate feedback in the comprehensive [online] reports. These reports are valuable in the sense that they give teachers insight as to which skills have been mastered and need strengthening.”

“The digital component is very teacher and student friendly. The kids can easily access the homework, tutorials if they are stuck, and videos to help them. As a teacher, I get immediate feedback about % correct, answers they gave and amount of time spent. I can then spend time on only the problems that class struggled with.”

Teacher Commentary: CMP3

“[CMP3] definitely ramps into the concepts in a thoughtful way that requires all students to come to the mathematical conclusion. They are often talking in math in order to solve the problems. They talk, question each other, and then prove their thoughts through the discussion.”

“This is a program that enhances the students’ ability to work together and learn how to talk about math in meaningful ways that helps develop their understanding of the concepts.”

“My favorite part of this program is the challenge it provided for my most capable students. The labs provided require them to stretch themselves and persevere with very open-ended tasks.”

“The use of manipulatives that are used throughout the program are beneficial to all students. Students with disabilities are able to visualize the concepts, making them less abstract.”

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- Full adoption of new Big Ideas resources for grades 6 - 8
- Class set of Connected Math Project 3 for grades 6 - 8



Next Steps for PMS Math

- Obtain BoE approval for resource adoption
- Summer professional development from Big Ideas and CMP3 related to implementation of resources
- Summer curriculum work time to prepare and align units of study
- Continue participation in Metro Chicago Math Initiative



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