

Pleasantdale Elementary School
8100 School Street
La Grange, IL 60525
708.246.4700 Fax: 708.246.4625



Pleasantdale Middle School
7450 S. Wolf Road
Burr Ridge, IL 60527
708.246.3210 Fax: 708.352.0092

Pleasantdale School District 107 | 7450 S. Wolf Road | Burr Ridge, IL 60527 | 708.784.2013 | Fax: 708.246.0161 | www.d107.org

Math Pilot Recommendation

Throughout the 2017 - 2018 school year, the Pleasantdale Middle School math teachers have been piloting primary resource options for a potential math resource adoption for the 2018-2019 school year. Teachers have also engaged in ongoing professional development through participation in the Metro Chicago Math Initiative (MCMI) and attended the National Council of Teachers of Mathematics (NCTM) Regional Conference in order to further hone their understanding of best practices in teaching and learning mathematics. The goal in piloting these resources is to determine which primary resource would best support our implementation of the Common Core State Standards (CCSS) and the integration of the 8 Standards of Mathematical Practice, while also aligning with what we know to be true about best practices in teaching and learning mathematics.

Background

Over the course of the 2016-2017 school year, both the elementary and middle school math teachers had the option to participate in a full-year math pilot to determine a primary resource that would allow us to better implement the CCSS and align with our understanding of best practices in teaching and learning mathematics. Math Learning Center Bridges was adopted at the K - 5 grade levels for the 2017-2018 school year. The middle school continued to pilot additional primary resource options throughout the course of the 2017-2018 school year since only one resource was piloted initially.

As a reminder, the following resources have been piloted by Pleasantdale Middle School math teachers this school year:

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

In order to determine which of the piloted resources best fit our district's needs, we completed the [Instructional Materials Evaluation Tool](#) (IMET) from [Achieve the Core](#) for each resource to ensure they provide Focus & Coherence on the priority academic standards for each grade level, provide adequate Rigor & Balance as they relate to the CCSS and 8 Standards of Mathematical Practice, and provide Access to the Standards for All Students. In addition, teacher feedback, parent feedback, student feedback, and student assessment scores were also considered.

Action Plan

We recommend a full adoption of Big Ideas Math and a class set adoption of CMP3 for grades 6 - 8. The IMET rubric shows these resources are the perfect compliment for each other, with Big Ideas providing a strong foundation upon which to build while CMP3 provides increased rigor

Pleasantdale Elementary School
8100 School Street
La Grange, IL 60525
708.246.4700 Fax: 708.246.4625



Pleasantdale Middle School
7450 S. Wolf Road
Burr Ridge, IL 60527
708.246.3210 Fax: 708.352.0092

Pleasantdale School District 107 | 7450 S. Wolf Road | Burr Ridge, IL 60527 | 708.784.2013 | Fax: 708.246.0161 | www.d107.org

through mathematical investigations and a constructivist approach to learning math. The teacher feedback was also a compelling factor used to make this decision. Teacher feedback for Big Ideas highlights the resource's usability for teachers, parents, and students, as well as the useful formative data reports teachers receive from the online homework tools which allow them to cater their instruction to best meet the needs of students. The teachers identified the CMP3 investigations allow students to engage in meaningful conversations about math and develop their conceptual understanding. Teachers expressed that both resources provide effective integration of the 8 Standards for Mathematical Practice. Feedback from parents and students had a minimal impact on the decision since there were negligible differences presented, and student assessment data presented minimal differences as well.

We anticipate the transition from Math Learning Center Bridges in grades K - 5 will be smooth with the adoption of these resources since the investigations from CMP3 provide a similar inquiry-based approach to learning math, while the Big Ideas resources allow for repeated practice and support in solidifying the concepts. Our students in algebra will continue using the same resource that Lyons Township High School uses, which as of now will not be changing for the 2018-2019 school year. Additionally, we are fortunate to be able to adopt the new version of the Big Ideas resources which have just been released, another benefit of us using a second year to pilot resources at the middle school level.

Resource	Includes	Quoted Cost
Big Ideas	4 year resource adoption for all students grades 6 - 8; online student access; teacher professional development	\$26,873.00
CMP3	6 year resource adoption for a class set of 30 students grades 6 - 8; online student access; teacher professional development	\$11,303.61*

*We are currently working to negotiate a lower cost given a shorter adoption period to mirror Big Ideas adoption period.

Moving forward, we have planned summer work days for middle school math teachers to participate in professional development related to each resources. Teachers will also have summer work time to prepare and align units of student for the school year. Finally, ongoing support will be provided to math teachers throughout the school year through continued participation in MCMI as well as providing opportunities for our teachers to touch base with the Big Ideas and CMP3 representatives for ongoing support. We are very excited about adopting these resources for 6th - 8th grades and think they will provide plentiful opportunities for both our teachers and students to grow as they explore mathematics in more depth!

Pleasantdale Elementary School
8100 School Street
La Grange, IL 60525
708.246.4700 Fax: 708.246.4625



Pleasantdale Middle School
7450 S. Wolf Road
Burr Ridge, IL 60527
708.246.3210 Fax: 708.352.0092

Pleasantdale School District 107 | 7450 S. Wolf Road | Burr Ridge, IL 60527 | 708.784.2013 | Fax: 708.246.0161 | www.d107.org

Conclusion

We are looking forward to the adoption of Big Ideas Math and CMP3 at the 6-8th grade levels and are committed to supporting our staff, students, and family as these resources become a part of the District 107 plan for teaching and learning mathematics.