

Mathematics Learning Resource Adoption Recommendations

K-5 Mathematics - Spring 2020

Review Process:

- A team of mathematics teachers consisting of one representative from each grade level at each school came together on September 11, 2019, for the first meeting of the Mathematics Resource Adoption Team to identify gaps in current instructional resources and learning trends in mathematics by collaboratively analyzing data. This meeting was led by Susan Halligan and Diane Owens and facilitated by Melodie Wall and Wendy Porter.
- A second meeting was held on October 1, 2019, where the same team members were able to review the feedback from school level teachers and work through specific content area slices to review and identify more targeted needs for the teams to use to analyze sample resources over the next few months with their school level teachers.
- During the months of November and December, all teachers of mathematics had the opportunity to come to the BOE with their team members to review sample mathematical resources and begin making decisions around which resources would be their top choices for further review.
- Based on teacher requests, the top choices of resources were scheduled for a Mathematics Vendor Fair on January 30, 2020, where the resource representatives sent teams of experts to share additional information about instructional implementation of their resource to the Mathematics Resource Adoption Team.
- Team members took the information to their grade level peers at their school where they collaboratively submitted votes for their top two choices of a Mathematics Resource adoption for Fall 2020.

Teacher Recommendation:

- Teacher's voted for a K-5 full six-year adoption of *Big Ideas Math: Modeling Real Life*. This program published by National Geographic Learning / Cengage is a research-based mathematics series that uses an exploratory approach to engage students' inquiring minds through rich explorations and in-class problem solving.
- Program Information: The mathematics resources in the Big Ideas Math program are vertically aligned to help students make connections through cohesive progressions and consistent, dependable instruction. The instructional approaches used in the program follow best practices outlined in educational research including John Hattie's *Visible Learning* and Wiggins and McTighe's *Understanding by Design*. The program uses hands-on activities and scaffolded instruction designed to guide students through concepts from surface-level to deep-level learning allowing them to transfer their skills to new concepts. Lessons include built-in differentiation as well as RTI support, learning targets, and success criteria to help focus student learning and make learning visible. Through in-class practice and activities, students become more comfortable with the problem-solving process to become strategic mathematical thinkers.

➤ Package Details:

- Grades K-5 - Enhanced Student Resource Package (6-year) Student Edition Volumes 1 & 2 (consumable, 6-year) PLUS Online Student Resources (6-year access)
- Teacher Resource Package (6-year access) includes:
 - Six-Year access to Teacher Resources Online
 - Plus the following print materials (one of each):
 - Teaching Edition Volumes 1 & 2,
 - Assessment Book,
 - Resources by Chapter Volumes 1 & 2,
 - Instructional Resources Book,
 - Math Musicals,
 - Newton and Descartes Puppets,
 - Skills Review Handbook,
 - Differentiated Rich Math Tasks for Grades K-5

Resource Package Pricing: Per student pricing includes all print and online resources for students as well as teachers.

Grade Level	Number of Students	Price per Student	Total
Kindergarten	1,064	\$101.00	\$107,464.00
First Grade	1,098	\$101.00	\$110,898.00
Second Grade	1,051	\$101.00	\$106,151.00
Third Grade	1,025	\$101.00	\$103,525.00
Fourth Grade	985	\$101.00	\$99,485.00
Fifth Grade	1,035	\$101.00	\$104,535.00
Totals:	6,258	\$101.00	\$632,058.00