

**MEMORANDUM**

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**TO:** NWABSD Board of Education Members

**DATE:** February 28, 2024

**NUMBER:** 24-113

**FR:** Office of the Superintendent

**SUBJECT:** Approval of Purchase-  
*Math Materials*

**STRATEGIC PLAN/BOARD GOAL:**

NWABSD Strategic Goal 2: Instructional Supports

**ABSTRACT:**

Board approval is required for purchases that exceed \$50,000.

**ISSUE:**

At issue is the Board's approval of math adoption expenses from publishers Carnegie, Innovative Concepts, Inc, Mind Education, and McGraw-Hill to adopt math program materials and textbooks. Total purchase not to exceed \$975,000.

**BACKGROUND AND/OR PERTINENT INFORMATION:**

**Committee's Recommendations for Adoption**

| Publisher                 | Program   | Grade Levels |
|---------------------------|---|--------------|
| Carnegie                  | <i>Clear Math</i><br><i>6-year student online subscription bundle.</i>  | K-5          |
| Carnegie                  | MATHia Adventure (Supplement)<br><i>6-year student online subscription bundle</i>   | K-5          |
| Innovative Concepts, Inc. | TouchMath (Intervention)<br><i>3-year print &amp; digital subscription bundle.</i>  | PK-8         |
| Mind Education            | ST Math (Supplemental)  | K-5          |
| McGraw-Hill               | <i>Reveal Math Algebra 1, Algebra 2, Geometry, and Integrated Math</i><br><i>6-year student online subscription bundle.</i> | 6-12         |

*6-year bundles cover student consumables and online licenses through the 2030-2031 school year*

These items were budgeted for and approved as part of our ESSER spending provided by the U.S. Department of Education.

Funding: ESSER III Fund 252

**ALTERNATIVES:**

1. Approval of math adoption expenses from publishers Carnegie, Innovative Concepts, Inc, Mind Education, and McGraw-Hill to adopt math program materials and textbooks. Total purchase not to exceed \$975,000.
2. Disapproval of math adoption expenses from publishers Carnegie, Innovative Concepts, Inc, Mind Education, and McGraw-Hill to adopt math program materials and textbooks. Total purchase not to exceed \$975,000.
3. Take no final action.

**ADMINISTRATION'S RECOMMENDATION:**

The administration recommends the board approves math adoption expenses from publishers Carnegie, Innovative Concepts, Inc, Mind Education, and McGraw-Hill to adopt math program materials and textbooks. Total purchase is not to exceed \$975,000.

After careful review and analysis, the middle/high school curriculum review team strongly recommends the adoption of McGraw-Hill's Reveal Math learning program for 6-12 implementation across our district. This program has been identified as the most suitable solution to meet the diverse needs of our students within the NWABSD.

In considering the adoption of the proposed McGraw Hill – Reveal Math materials, the board should consider several key features that align with our educational goals and instructional strategies.

1. **Scope & Sequences:** The provided scope and sequences offer a structured framework that ensures comprehensive coverage of mathematical concepts, fostering a coherent learning progression for students.
2. **Suggested Pacing:** The suggested pacing guides provide educators with a roadmap for effectively managing instructional time and ensuring adequate coverage of content throughout the academic year.
3. **Assessment Tools:** The array of assessment tools, including diagnostic, formative, and summative assessments, empowers teachers to effectively monitor student progress, identify areas of strength and weakness, and adjust instruction accordingly.
4. **Interactive Presentations:** Interactive presentations engage students in active learning experiences, promoting deeper understanding and retention of mathematical concepts through dynamic, multimedia resources.
5. **Print Interactive Student Edition:** The print interactive student edition offers students a tangible resource that complements digital learning experiences, catering to diverse learning preferences and needs.
6. **Differentiation Activities:** Differentiation activities provide opportunities for personalized learning, allowing educators to tailor instruction to individual student needs and abilities.
7. **CCSS Standard Alignment:** Alignment with Common Core State Standards ensures that instructional materials are grounded in rigorous academic expectations, facilitating consistency and coherence across classrooms.
8. **Technology-Based Tools:** Integration of technology-based tools such as LearnSmart, ALEKS, Web Sketchpad Activities, and Desmos enhances the learning experience by providing adaptive instruction, visualization support, and interactive problem-solving tools.
  - a. **LearnSmart:** Adaptive learning technology compiles student data and offers tailored resources to support mastery of mathematical concepts.
  - b. **ALEKS:** Integrated instructionally actionable data enables targeted instruction for individual students, groups, or the entire classroom.
  - c. **Web Sketchpad:** Visualization software fosters problem-solving skills and aids in conceptual understanding.
  - d. **Desmos:** Digital graphing calculator enhances mathematical exploration and analysis.
9. **Instructional Model:** The provided instructional model offers a structured framework for lesson delivery, encompassing key elements such as warm-ups, exploration, examples, reflection, and assessment, promoting a balanced approach to teaching and learning.
10. **Assessment Options:** A variety of assessment options, including diagnostic, formative, and summative assessments, cater to diverse assessment needs and provide comprehensive insight into student learning and achievement.

In summary, the adoption of McGraw Hill – Reveal Math materials offers a comprehensive and well-rounded instructional package that aligns with our educational objectives, supports teacher effectiveness, and enhances student learning experiences in mathematics.