



NORTH SLOPE BOROUGH SCHOOL DISTRICT

MEMORANDUM

TO: Roxanne Brower, President
Members of the School Board

THROUGH: Stewart McDonald, Superintendent

FROM: Kathy Ahgeak, Interim Director of Teaching and Learning
Liz Noble, Director of Curriculum and Instruction

DATE: March 7, 2019

SUBJECT: Math Materials Adoption Cycle

Memo No. SB19-145
(Action Item)

NSBSD Strategic Plan Goal:

1.0 Academic Success/Whole Child: All students will reach their intellectual potential and achieve academic success through integrating Inupiaq knowledge systems into the core content areas and focusing on the development of the Whole Child.

Issue Summary:

Math Committee recommends the continued use of Bridges Math (NSBSD adopted 2010), as a core resource, for grades K-2. Grades 3-12 we recommend McGraw Hill/Glencoe Math as our core resource. Number Corner and Edgenuity Pathblazer are recommended as a Supplemental.

McGraw-Hill My Math (grades 3-5) provides an easy and flexible way to diagnose and fill gaps in understanding so that all students can meet grade-level expectations – and accelerate beyond.

Includes :

- Strong, equitable core instruction with actionable data
- Best-in-class resources and targeted instructional strategies
- Personalized, student-driven learning

McGraw-Hill/Glencoe Math Courses 1,2,3 (grades 6-8)

- Materials are designed to support unique teaching styles, ideas and the needs of students.
- Glencoe Math makes it easy to motivate students, meets the expectations of Alaska State Standards, and incorporates the latest technology.
- Glencoe math provides multiple opportunities throughout each lesson for rigor, high order thinking, and application of concepts.
- Students are able to progress to a higher level of achievement.
- ALEKS (NSBSD adopted Math intervention for grades 6-12) aligns with Glencoe Math to help with differentiated instruction.

McGraw-Hill/Glencoe High School Math (grades 9-12)

Algebra I, Geometry, Algebra II, Pre-Calculus, and Calculus materials blend rigorous content with real world relevance. Materials merge content, practice, and application for effective standards implementation, and results in higher order thinking and deeper conceptual understanding. Focus on the Standards for Mathematical Practice and standard-aligned content helps you prepare students for success in math.

Edgenuity/Pathblazer/Compass

Edgenuity has developed innovative courses that are grounded in research and best instructional practices. The online learning intervention solutions provide students with targeted, data driven, and age-appropriate instruction. Edgenuity mathematics lessons are constructed to activate prior knowledge and clarify common misconceptions.

Digital tools include:

- Accessible content
- Animations and simulations provide explanation and modeling of key concepts
- Diagnostic and prescriptive capabilities to individualize student learning paths
- NWEA Map alignment

Background:

School Board Policy 6161.1 Curriculum Development and Evaluation was updated and approved by the School Board September 2017.

Research on Math materials/resources was completed in the spring of 2018 by Math-Subcommittee to determine pilot materials for 2018-2019.

District wide student participation, data analysis, and input from staff, students and community on pilot materials began August 2018.

Synopsis of Math Materials review was provided to the Curriculum Committee for final review and recommendation to the school board.

Motion:

I move the NSBSD Board of Education adopt McGraw Hill/Glencoe Math materials as a core resource for grades 3-12 and Edgenuity/Pathblazer as a supplemental for grades 3-12.

Motion by_____ Seconded by_____

Advisory Vote_____ Vote_____