



DATE: April 24, 2024
TO: Board of Education
FROM: Mrs. Kerstin Kramer, Superintendent Chief Learning Officer
SUBJECT: First Read of Adoption of Secondary Math Instructional Materials
PRESENTED BY: Logan Mallonee, Assistant Superintendent of Educational Services

ACTION REQUESTED

Review the material for the adoption of Secondary Math Instructional Materials.

BACKGROUND INFORMATION

After a year-long pilot process, reviewing all educational partner feedback, analyzing the data, and receiving additional training, the TTUSD Math Steering Committee recommends the adoption of the following instructional materials:

Carnegie Learning, 2022: MATHbook English,6, MATHbook MSM1
Carnegie Learning, 2022: MATHbook English,7, MATHbook MSM2
Carnegie Learning, 2022: MATHbook English,8, MATHbook MSM3
Carnegie Learning, 2022: MATHbook Spanish,6, MATHbook MSM1
Carnegie Learning, 2022: MATHbook Spanish,7, MATHbook MSM2
Carnegie Learning, 2022: MATHbook Spanish,8, MATHbook MSM3
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook English,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook English,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook English,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM1
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM2
Carnegie Learning, 2022: MATHbook Spanish,9-12, MATHbook IM3

Carnegie Math is a comprehensive program designed to help students learn the foundational skills of mathematics collaboratively and interactively.

Carnegie's middle and high school math programs are designed with four guiding principles essential to effective learning.

The first principle is perspective, emphasizing that students should understand the problem from different angles. This allows students to approach the problem from a broader perspective and find more effective solutions. The second principle is production, which helps students become critical thinkers and communicators. Through collaborative, teacher-led learning experiences, students can refine their communication skills and learn how to express their ideas more clearly. By working together, students can also learn from each other and build on each other's ideas to achieve a deeper understanding of mathematical concepts. The third principle is knowledge, which emphasizes that learning is a process that takes time. Knowledge emerges over time, and students need to be patient and persistent to develop a deep understanding of mathematical concepts.

Through blended learning, students are empowered to take control of their learning and engage in discourse and collaboration with their peers. The fourth principle is collaboration, which recognizes that working together is essential to effective learning. Students are empowered to take control of their learning and build on each other's ideas.

Carnegie Math emphasizes spiraling mastery of targeted practices rather than spiraling concepts before mastery. Students focus on mastering specific mathematical practices before moving on to more complex concepts. By doing so, they build a strong foundation of mathematical skills that will serve them well in their future studies and careers.

RESOURCES REQUIRED: Arts Music Instructional Materials Block Grant

PREPARED BY: Logan Mallonee, Assistant Superintendent of Educational Services

Materials can be reviewed at the receptionist desk at the District Office.