



Brackett ISD

Secondary Math Instructional Framework

VISION STATEMENT

Provide a nurturing environment where we grow and cultivate real world thinkers by problem solving and working collaboratively through the rigorous curriculum and productive math struggles to build foundation math value.

BELIEF STATEMENT

We believe **growth** comes from the instruction of foundational math skills that are critical to create the building blocks necessary to move from conceptual understanding to rigorous procedural understanding.

We believe **reaching** grade level TEKS will come from guiding students to a deeper understanding of math concepts and the application of knowledge through a variety of grade level strategies that engage all students.

We believe **opportunities** for progress is best when math skills or concepts are vertically aligned amongst grade level through continuously connected math language

We believe students will have the **willingness** to work collaboratively through mathematical struggles and engage in effective explanations that will develop higher level thinking and opportunities for essential and deeper math understanding.

STUDENTS EXEPECTATIONS

- Will work through productive struggle and strategies to move from the hands on to the complex utilizing multiple problem-solving activities.
- Demonstrate grade level proficiency in math concepts, and explore why and how to use them in the real world.
- Take ownership to make connections between previous math knowledge and newly acquired concepts.
- Actively participate and take ownership of learning

TEACHERS EXPECTATIONS



Brackett ISD

Secondary Math Instructional Framework

- Provide opportunities for productive struggle and strategies to move from the hands on to the complex utilizing multiple problem-solving activities.
- Provide meaningful, rigorous instruction for grade level math concepts. Implement immediate feedback, positive reinforcement, and guiding them to the path of reasoning.
- Foster learning and provide opportunities for students to make connections between previous knowledge and new concepts.
- Commit to the implementation of high quality instructional materials and effective strategies

LEADERS EXPECTATIONS

- Establish a supportive culture and provide teachers with high quality instructional material and planning time to meet diverse student needs
- Provide high quality instructional materials, meaningful trainings, planning time, constructive feedback alongside observations, and periodic check ins, open communication, and having valued collaboration
- Provide opportunities for vertical alignment.
- Monitor the implementation and provide coaching and feedback

PARENTS EXPECTATIONS

- Communicate with teachers and understand that math curriculum is rigorous and find ways to support math instruction daily life.
- Partner with our community to give students the opportunity to apply their mathematical knowledge in their community or apply in the real world.
- Assist students in connecting old math knowledge to new math concepts.
- Participate in engagement opportunities and assist in motivation and supporting student Learning