





Louise ISD provides all students with rigorous mathematics instruction based on these four core beliefs:

-  Students gain a deeper understanding of math concepts by *developing conceptual mastery, procedural skills and fluency, and real-world applications.*
-  Teachers are provided with *high-quality instructional materials* that consistently engage all students in productive problem-solving.
-  Teachers *engage students' preconceptions, build factual knowledge and conceptual frameworks,* and *actively develop the metacognitive abilities* required of problem solvers.
-  Students receive equitable mathematics instruction that *engages all students in challenging and rigorous opportunities* daily.

### Balance Concepts, Procedures, and Fluency

Teachers provide all students the conceptual framework in conjunction with procedural skills to build each student's ability to apply mathematical concepts to solve real-world problems. By teaching students strong numeracy, math reasoning, and automaticity, LISD graduates students with effective problem-solving skills.

### Productive Problem-Solving

Students engage in a productive struggle that maintains rigor and promotes active engagement and application exploration. Productive struggle increases a student's ability to problem-solve and build confidence to overcome intellectual obstacles. Teachers provide multiple opportunities for practice, facilitate classroom discussions about math, and provide opportunities for critical writing during math instruction.

### Aligned Math Content That Meets the Rigor of the TEKS

Using high-quality instructional materials and K-12 vertically aligned exercises to promote the mastery of TEKS and supporting standards, teachers provide rigorous instruction that engages each student fully and builds a comprehensive foundation for strong mathematics understanding. Teachers use materials, manipulatives, and assessments that support the depth of knowledge students need for real-world applications. Campus leaders and teachers actively participate in professional learning communities to internalize content and plan for robust and data-driven instruction.

### Building Students' Conceptual Framework and Factual Knowledge

Mathematics is a continuous, connected story where students gain new understanding built on previous foundations.

## **To achieve our vision and remain dedicated to our beliefs in mathematics, Louise ISD stakeholders commit to the following actions:**

### **School Board Members will...**

- Support and publicize the LISD Math Instructional Framework

### **Administration will...**

- Ensure high-quality instructional materials are available and are utilized with integrity
- Provide support for teachers so they can effectively implement high-quality instructional materials
- Ensure teachers and staff are provided product training and job-embedded professional development
- Provide the framework for professional learning communities to foster data-driven instruction
- Provide time in the master schedule for successful planning and implementation
- Conduct observations and provide feedback to teachers
- Create and maintain the assessment calendar to facilitate pacing

### **Interventionist(s) will...**

- Assist teachers in the internalization of units
- Provide accelerated instruction to students
- Provide instructional technology supports
- Prepare instructional materials

### **Teachers will...**

- Plan, internalize, and implement high-quality instructional materials with integrity
- Engage students with various instructional strategies
- Follow the District Assessment Calendar
- Communicate student progress to parents/guardians
- Attend PLCs regularly
- Train in product academies and actively participate in job-embedded professional development

### **Support Staff will...**

- Engage with students and support teachers
- Participate in relevant professional development
- Prepare high-quality instructional materials

### **Students will...**

- Actively engage and be intellectually and physically present to learn
- Master mathematical concepts and math fact fluency

### **Parents/Guardians will...**

- Ensure daily attendance and communicate regularly with school staff
- Create a space for extended home learning to reinforce concepts taught by teachers
- Support District Math Instructional Framework

### **Community Members will...**

- Support the District's Mission and Vision
- Volunteer and play an active part in district functions

## Louise ISD Math Instructional Framework Committee Members

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