

## Gallatin County Schools Instructional Vision for Mathematics

**In our classrooms, we strive to develop students who are mathematically proficient. Students will be prepared to meet the future demands of college and/or career and life by developing number sense and mathematical thinking through the progression of concrete, representational, and abstract modeling.**

We believe

- Numeracy reaches across all subjects and aspects of life.
- Every student deserves to learn, enjoy learning, and engage in productive struggle in order to develop a growth mindset and achieve mastery.
- Instructional design includes evidence based instructional strategies, addresses multiple learning styles to engage students, and is flexible and responsive.
- Effective mathematics instruction is aligned to the rigor of the standard(s) and built around the mathematical practices.
- Students must be given multiple opportunities to build mathematical skills and practices to be successful.
- Teachers must exhibit a growth mindset and strive to improve their craft by participating in and implementing professional learning.
- Leaders must support effective teacher practices and student learning by providing on-going high quality professional learning and feedback in a positive environment.

**Quality mathematics instruction enabled by high quality instructional materials and professional learning will help us build a community of mathematical thinkers prepared to be lifelong learners and productive members of society.**

### Daily Instructional Priorities and Actions

Instructional Priority	Key Actions
<p><b>High Quality Instructional Resources:</b></p> <p><i>Implementation of high-quality math resources ensures all students are challenged with high quality, grade level tasks.</i></p>	<p><b>Students:</b></p> <ul style="list-style-type: none"> <li>● Collaboratively and respectfully use all materials</li> <li>● Utilize manipulatives and other resources as tools to support learning when appropriate</li> </ul> <p><b>Teachers:</b></p> <ul style="list-style-type: none"> <li>● Consistently use the high quality instructional resources (HQIR) with integrity.</li> <li>● Provide opportunities for all students to learn and use multiple approaches and strategies (differentiation) independently and collaboratively</li> </ul> <p><b>Leaders:</b></p> <ul style="list-style-type: none"> <li>● Provide on-going professional development based on individual needs</li> <li>● Provide high quality resources</li> <li>● Define expectations and provide feedback aligned to the expectations</li> </ul>
<p><b>Engagement:</b></p>	<p><b>Students:</b></p>

<p><i>Implement high quality math instruction that ensures all students are challenged and engaged in productive struggle</i></p>	<ul style="list-style-type: none"> <li>● Engage and collaborate with peers to complete tasks and develop understanding of concepts and the mathematical practices</li> <li>● Discuss strategies and express thinking with peers through justifying answers and exploring concepts together.</li> </ul> <p><b>Teachers:</b></p> <ul style="list-style-type: none"> <li>● Facilitates learning to allow for engagement and creates a safe, motivating environment</li> <li>● Provide timely feedback with opportunities for self-correction and clarification</li> <li>● Provide students opportunities to learn using a variety of strategies</li> </ul> <p><b>Leaders:</b></p> <ul style="list-style-type: none"> <li>● Engage in learning and establishing the integrity of the resources in a positive environment.</li> <li>● Provide targeted and timely feedback to teachers to support engagement.</li> </ul>
<p><b>Growth:</b></p> <p><i>Focus on developing growth mindset and celebrating successes</i></p>	<p><b>Students:</b></p> <ul style="list-style-type: none"> <li>● Reflect on their approaches to solving problems and progress in reaching mathematical proficiency. (student agency)</li> <li>● Show critical thinking and embrace productive struggle to persevere in solving problems when facing difficulty.</li> </ul> <p><b>Teachers:</b></p> <ul style="list-style-type: none"> <li>● Give targeted, constructive feedback that promotes growth.</li> <li>● Provide tasks that promote critical thinking and allow for productive struggle and student perseverance</li> </ul> <p><b>Leaders:</b></p> <ul style="list-style-type: none"> <li>● Actively involved with teachers, students, and community to impact mathematical proficiency across the district.</li> <li>● Create a positive environment that promotes a culture of growth in effective instructional practice.</li> </ul>