

## Math Instructional Plan

### District Expectations: (Required of all teachers K-12 unless otherwise specified)

1. Teachers will adhere to the TEKS and the district curriculum documents (e.g., instructional calendar, six weeks snapshots, model lessons, year-a-a-glance, and vertical alignment documents).
2. Teachers will utilize the GISD Math Vertical Alignment document in planning instruction. The following documents provided by TEA will also be used:  
Introduction to the Revised Math TEKS: Vertical Alignment Chart (K-Algebra I)  
Introduction to the Revised Math TEKS: Side-By-Side Comparison (for each grade level)
3. The Mathematical Process Standards as stated in the TEKS will be integrated into the content TEKS taught at each grade level including: (2014-2015 applies to K-8 only; Applicable to K-12 thereafter)
  - students applying mathematics in real-world examples;
  - students using a problem-solving model (analyze information, formulate a plan, determine and justify the solution, evaluate the process and reasonableness of the solution); and
  - students communicating mathematical ideas - use multiple representations, explain, justify, oral and written communication (e.g. journals, written justifications).
4. Students will participate in learning experiences that help them make connections from the concrete to the pictorial to the abstract.
5. Students will participate in conceptually-based, hands-on, manipulative-driven math experiences.
6. Students will use interactive journals to reflect upon learning experiences which will include analyzing for reasonableness and justifying mathematical ideas and arguments.
7. Teachers will review math concepts daily using number corner, problem-of-the-day, bell ringers, warm-ups, etc.
8. Math stations will be used to review math concepts and skills. (K – 6)
9. Teachers will utilize small group instruction to reteach or clarify misunderstandings that students have. (K - 6)
10. On a rotating basis, teachers will be expected to apply, attend, and participate in the Mathematics Collaborative (grades 6-12) at Region VII for a one-year commitment. Teachers may apply in multiple years with principal approval.