

Collaborative GE & SE Math Tasks

Good Teaching & Assessment Practices

- ✓ establish student baseline levels and regularly monitor progress
 - ✓ connect math lessons with models from students' lives
 - ✓ offer students concrete, representational, and then abstract presentation levels of math learning
 - ✓ communicate the language of math with vocabulary pictures and online visual dictionaries
 - ✓ infuse activities to develop math fluencies
 - ✓ develop math learning contracts
 - ✓ emphasize the importance of explaining and justifying problem solving approaches
 - ✓ praise students' strides toward mastery as well as achievements
 - ✓ be certain that tests are readable, legible, and clutter-free
 - ✓ give timely and specific feedback
 - ✓ tap into students' multiple intelligences; e.g., cooperative math groups, math journals, kinesthetic approaches
 - ✓ differentiate instruction with compacting, anchoring, tiers, cubing, rubrics...
 - ✓ allow students to increase metacognition by establishing personal math goals
 - ✓ frequently check for understandings and math fluency with formative assessments
 - ✓ differentiate both teaching and assessments to offer enrichment and reinforcement
 - ✓ offer whole class guided instruction, small group learning, and independent work
 - ✓ schedule student-teacher math conferencing time
 - ✓ conduct math-based discussions
 - ✓ teach estimation to create conceptual connections
 - ✓ encourage students to *proofread* their math with comparable writing and editing skills
 - ✓ allow students to play with the math; e.g., <http://www.math-play.com/>
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