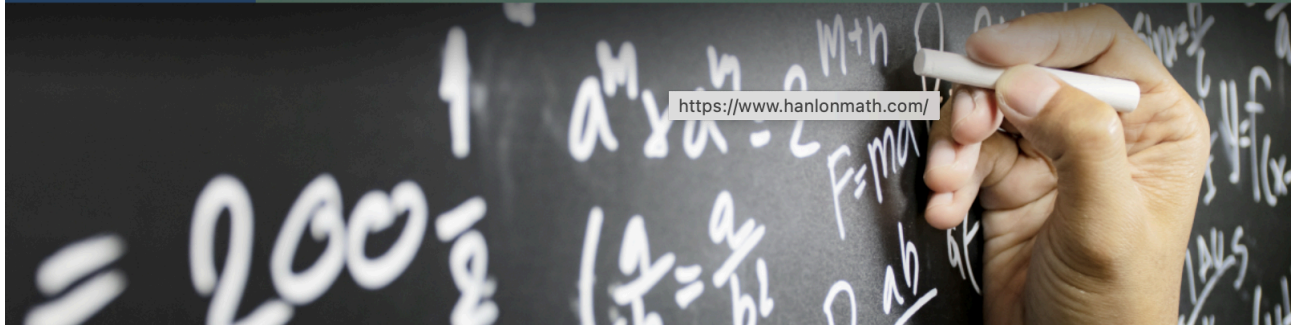




HANLONMATH

MATHEMATICAL SYSTEMS, INC.

Math Content Based Professional Development



Building Success on Success

To increase math achievement, professional development should be based on the math teachers teach, how they teach it, resources that support those, and assessments that set students up for success.

The greatest differences between math taught in elementary and math taught in secondary schools are vocabulary, notation and the recognition of patterns that make math much easier to do. Much of the difficulty many students experience learning math can be traced to a lack of language acquisition - vocabulary and notation.

Linking concepts and skills, using familiar language, makes students more comfortable in learning new topics. Linking also provides teachers an opportunity to review, reinforce or address student deficiencies as they teach their assigned curriculum.

Nothing ruins a good lesson like a bad example. To build success on success, those linkages should be used with initial instruction in conjunction with using simple, straightforward examples that work, that clarify, and don't distract students with needless arithmetic followed by repeated scaffolding to reach grade level expectations.

In addition to linking math concepts and skills, using the "6+1" strategies to build in repetition with instructional strategies; connecting preparation to instruction

(including daily quick, crisp, purposeful reviews and checking for proficiencies), notetaking, homework, test prep and assessments that are specifically designed to set students up for success, not only on chapter tests, but high stakes tests such as PARCC, SBAC, ACT, SAT and semester exams.

The “+1” is the importance of developing positive student teacher relationships. Success goes beyond content. Developing strong, supportive relationships is key to fostering a growth mindset and a belief system that our students can do math.

Call 702.218.3875 or [contact us](#) today to discuss your needs.