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OR



PD COORDINATOR

Kelly Kennedy

kmkennedy@southalabama.edu

WEBSITE:

www.amstiusa.org

CONTACT:

251-665-4684

MATH FACILITATOR TEAM:

Raphaella Archie

Connie Arnold

Jennifer Fagerstrom

Katina Odoms

Dyeatra Todd

Candyce Tracy

Angela Williams

NUMBERS OVERVIEW

Numbers: Number Sense

This 2-day training focuses on number meaning, number relationships, number operations, and problem-solving. Participants will acquire knowledge of the big ideas of understanding quantities and number concepts that are foundational in early mathematics. Educators will use current math strategies and resources to aid in effective classroom instruction.

Numbers: Geometry and Measurement

This 2-day Geometry and Measurement session focuses on learning key math ideas. Participants will acquire knowledge of the big ideas of geometry and measurement to implement effective math instruction. Educators will use current math strategies and resources to aid in effective classroom instruction of geometric measurements.

Numbers: Fractions & Decimals

This 2-day Fractional and Decimal session focuses on learning key fraction concepts such as equivalence and magnitude before the operations. The session will make connections of decimals to fraction concepts prior to practicing operations on decimals. Participants will acquire knowledge of the big ideas of fractions and decimals to implement effective math instructions. Educators will use current math strategies and resources to aid in effective classroom instruction.

Numbers: Ratio & Proportion

Ratios offer a significant shift in thinking because of the part-to-part and part-to-whole relationships that are intrinsic to ratios. Proportionality is fundamental to the middle school domains of geometry, probability, statistics, and algebra. This 2-day training module is designed to help teachers meet the needs of all students by providing instructional strategies around proportional relationships.

Numbers: Algebraic Thinking

Traditional instruction focuses almost exclusively on teaching students procedures. This 2-day module begins by connecting algebra to arithmetic. It then presents algebra tiles as a powerful tool for learning about integers, expressions, and equations. Finally, research-based approaches for teaching algebraic problem solving are emphasized.