

Third Grade Mathematics

The third grade mathematics program strives to have the student become proficient in their skills, capable of thinking critically and enthusiastic about mathematics. Everyday Math content threads include, but are not limited to, number theory, comparing and ordering numbers, data analysis, multiplication and division procedures, geometry, and order of operation. Manipulatives continue to assist teachers in the presentation of more abstract concepts. Group activity, problem solving, and differentiated activities augment the mathematics program in grade three. Teachers continue to differentiate, support, and enhance the program for all learners. Math computation is addressed daily to increase fact fluency.

The Academy advantage of smaller class size, with the support of the Learning Resource Department, allows teachers to differentiate, support, and augment the program for all learners.

Areas of Study

Number and Numeration

Place value and notation
Meanings and uses of fractions
Number theory
Equivalent names for whole numbers
Equivalent names for fractions, decimals, and percents
Comparing and ordering numbers

Operations and Computation

Addition and subtraction facts
Addition and subtraction procedures
Multiplication and division facts
Computational estimation
Models for the operations

Data and Chance

Data collection and representation
Data analysis
Qualitative probability
Quantitative probability

Measurement and Reference Frames

Length, weight, and angles
Area, perimeter, volume, and capacity
Units and systems of measurement
Time

Geometry

Lines and angles
Plane and solid figures
Transformations and symmetry

Patterns, Functions, and Algebra

Patterns and functions
Algebraic notations and solving number sentences
Order of operations
Properties of the arithmetic operations