

Woodley Leadership Academy

Mathematics Curriculum Overview

Elementary School Course Offerings

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Building: Woodley Leadership Academy

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Kindergarten Math

Full Year/Full Time

Kindergarten students at Woodley Leadership Academy utilize Houghton Mifflin Harcourt GO MATH! for Mathematics instruction. Kindergarten math is a hands-on experience for children that offers a variety of inquiry-based learning opportunities. The concepts taught in kindergarten are the foundation for math skills that students will utilize in school and beyond. Students will learn and practice many important skills that include: rote counting, counting objects, patterning, sorting, number writing, number recognition, addition, subtraction, telling time to the hour, and an introduction to money.

First Grade Mathematics

Full Year/Full Time

First grade students at Woodley Leadership Academy will use the GO MATH! by Houghton Mifflin Harcourt Math Series for Mathematics instruction. The program is based on scientific research that focuses on effective learning processes and instructional strategies. First grade mathematics content is organized around developing concepts with inquiry-based experiences, hands-on experiences, practicing strategies with guided instruction, and mastering skills with repeated practice. The four critical areas are:

1. operations and algebraic thinking
2. number and operations in base ten
3. measurement and data
4. geometry

These include addition and subtraction, place value, length, time, graphing, and 3-D and 2-D shapes.

Second Grade Mathematics

Full Year/Full Time

Second grade students at Woodley Leadership Academy will use the new math program, GO MATH! The program is based on scientific research that focuses on effective learning processes and instructional strategies that are essential for success in a wide range of learners. The series offers students inquiry based learning experiences throughout all concept areas. Each critical area of the program offers essential ideas and questions, educational standards, mathematical practices and assessments. Number sense and place value, addition and subtraction, measurement and data, geometry and fractions are the key components of the second grade curriculum. Real-world problem solving skills are explored and reinforced throughout the entire math program. The units of study provide instruction and practice on multiple-choice and short response standardized test questions on concepts and skills.

Third Grade Mathematics

Full Year/Full Time

Third grade students at Woodley Leadership Academy will use the new math program, GO MATH! The program is based on scientific research that focuses on effective learning processes and instructional strategies that are essential for success in a wide range of learners. The series offers students inquiry-based learning experiences throughout all concept areas. Each critical area of the program offers essential ideas and questions, educational standards, mathematical practices and assessments. Operations and algebraic thinking, number operations in base ten and fractions, measurement, data, and geometry are the key components of the fourth grade curriculum. Real-world problem solving skills are explored and reinforced throughout the entire math program. The units of study provide instruction and practice on multiple-choice and short response standardized test questions on concepts and skills.

Fourth Grade Mathematics

Full Time/Full Year

Fourth grade students at Woodley Leadership Academy will use the new math program, GO MATH! The program is based on scientific research that focuses on effective learning processes and instructional strategies that are essential for success in a wide range of learners. The series offers students inquiry based learning experiences throughout all concept areas. Each critical area of the program offers essential ideas and questions, educational standards, mathematical practices and assessments. Place value, operations with whole numbers, fractions and decimals, geometry, measurement, and data are the key components of the fourth grade curriculum. Real-world problem solving skills are explored and reinforced throughout the entire math program. The units of study provide instruction and practice on multiple-choice and short response standardized test questions on concepts and skills.

Fifth Grade Mathematics

Full Time/Full Year

Fifth grade students at Woodley Leadership Academy use the math program, GO MATH! The program is based on scientific research that focuses on effective learning processes and instructional strategies that are essential for success in a wide range of learners. The series offers students inquiry based learning experiences throughout all concept areas. Each critical area of the program offers essential ideas and questions, educational standards, mathematical practices and assessments. Place value, operations with whole numbers, fractions and decimals, geometry, measurement, and data are the key components of the fifth grade curriculum. Real-world problem solving skills are explored and reinforced throughout the entire math program. The units of study provide instruction and practice on multiple-choice and short response standardized test questions on concepts and skills.